

Lockheed Martin Corporation
6801 Rockledge Drive MP: CCT-246
Bethesda, MD 20817
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August 26, 2015

VIA PRIVATE CARRIER

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

Subject: Transmittal of the Block D Soil Remedial Action Plan Addendum 2
Lockheed Martin Corporation; Middle River Complex
2323 Eastern Boulevard, Middle River, Baltimore County, Maryland

Dear Mr. Carroll:

For your review, please find enclosed one hard copy with a CD of the above-referenced document. This Remedial Action Plan Addendum presents a changed field condition and path forward associated with soil remediation of Block D. Lockheed Martin would like to execute the plan of action described in this document as soon as possible upon receipt of the necessary environmental permits, as the construction team is currently mobilized at the site.

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

Sincerely,

A handwritten signature in dark ink, appearing to read "Tom D. Blackman", with a long horizontal flourish extending to the right.

Thomas D. Blackman
Project Lead, Environmental Remediation

cc: (via email without enclosure)
Gary Schold, MDE
Mark Mank, MDE
Christine Kline, Lockheed Martin
Norman Varney, Lockheed Martin
John Morgan, LMCPI
Dave Brown, MRAS
Michael Martin, Tetra Tech
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Doug Mettee, Lockheed Martin MST

cc: (via mail with CD enclosure)
Jann Richardson, Lockheed Martin

Block D Soil Remedial Action Plan Addendum 2: Sheen Observed at the Corner of Block D Lockheed Martin Middle River Complex 2323 Eastern Boulevard Middle River, Maryland

Prepared for:

Lockheed Martin Corporation

Prepared by:

Tetra Tech, Inc.

August 2015



Michael Martin, P.G.
Regional Manager



Ivanna Goldsberry, P.E.
Project Manager

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Acronyms

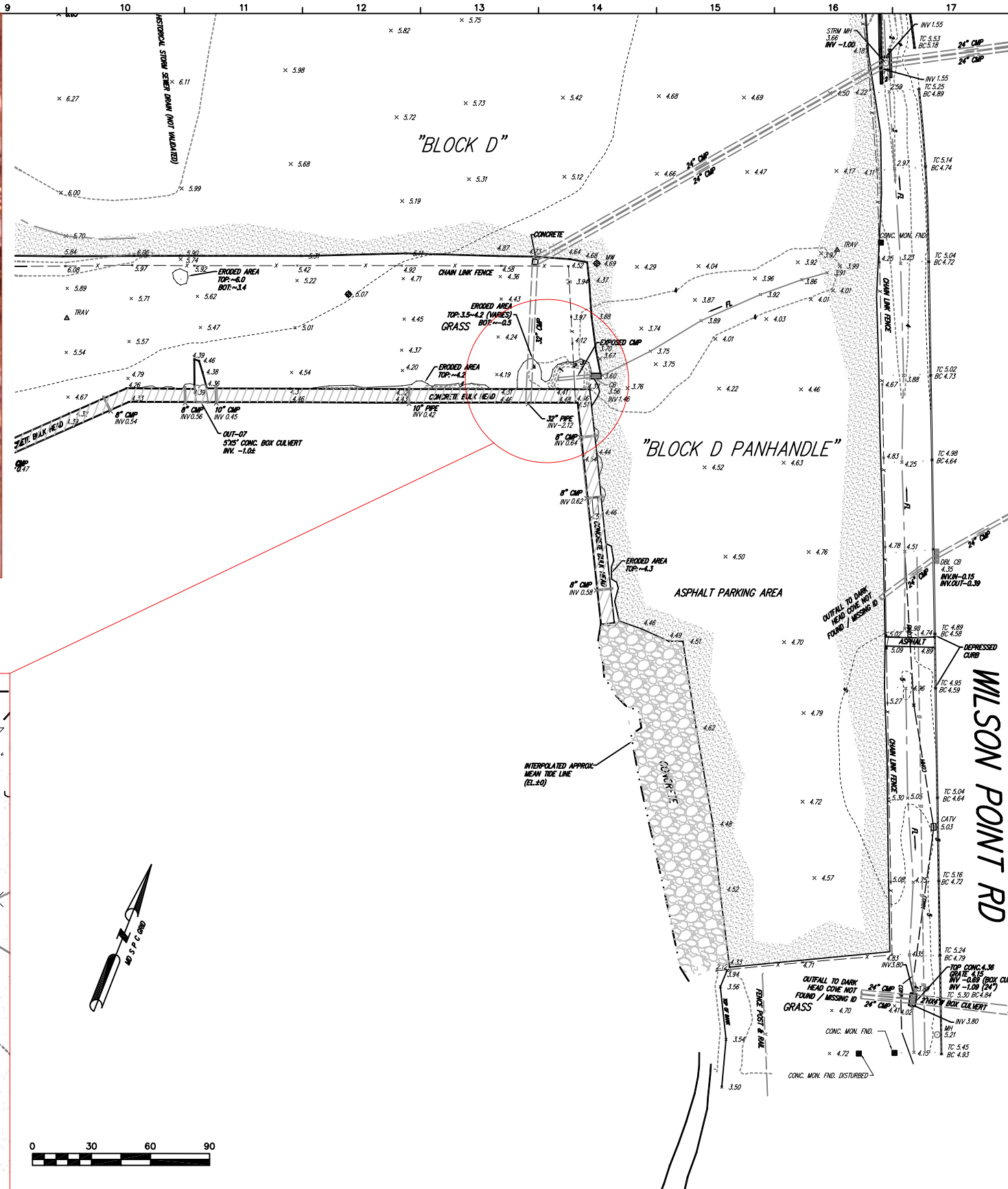
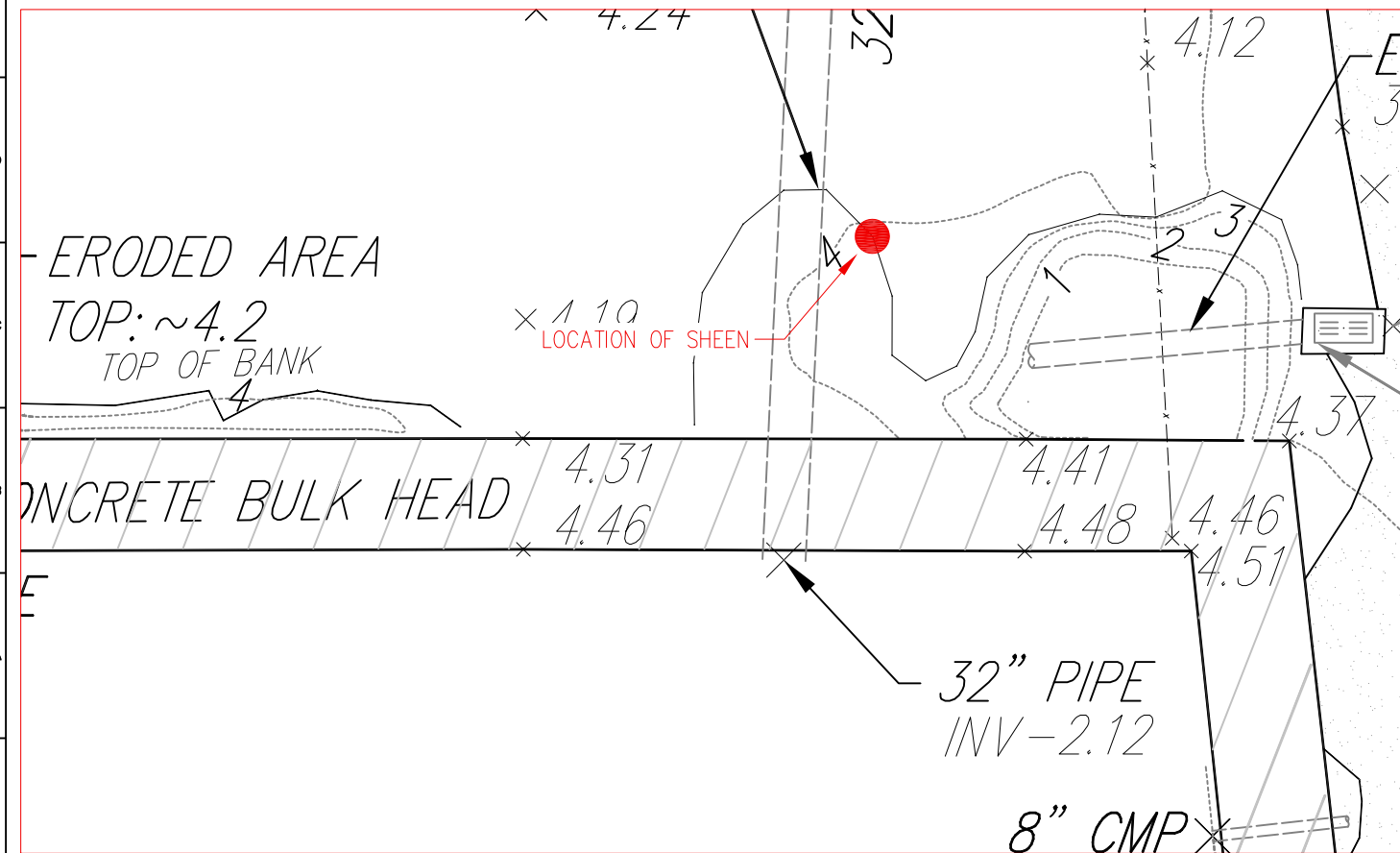
AET	apparent effects threshold
BaPEq	benzo[a]pyrene equivalents
cPAHs	carcinogenic polycyclic aromatic hydrocarbons
DRO	diesel-range organics
GRO	gasoline-range organics
Lockheed Martin	Lockheed Martin Corporation
MDE	Maryland Department of the Environment
µg/kg	microgram per kilogram
mg/kg	milligrams per kilogram
NOAA	National Oceanic and Atmospheric Administration
PAHs	polycyclic aromatic hydrocarbons
PEC	probable effects concentration
PEL	probable effects level
RAP	remedial action plan
RSL	regional screening level
SEL	severe effects level
SVOCs	semi-volatile organic compounds
Tetra Tech	Tetra Tech, Inc.
TPH	Total petroleum hydrocarbon
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds

Section 1

Introduction

During the week of June 22, 2015, a team of ecologists surveying Cow Pen Creek and Dark Head Cove for submerged aquatic vegetation noticed a small sheen on water behind the bulkhead, in the eastern corner of Block D, near its intersection with the Block D panhandle. The sheen was tracked to a small breakout in the soil near an eroded stormwater-outfall structure. Figure 1-1 includes a depiction of the sheen location, as well as a photo of the observed sheen.

Because this sheen might have been a petroleum product or other contaminant seep, absorbent booms were placed behind the bulkhead to capture the contamination on June 22, 2015. A soil sample was collected on June 22, 2015 and analyzed for total petroleum hydrocarbons (both diesel-range organics and gasoline-range organics), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and polycyclic aromatic hydrocarbons (PAHs). The Maryland Department of the Environment (MDE) Oil Control Program was notified about the sheen on the same date (June 22, 2015). At the request of the MDE, an additional soil sample was collected on August 7, 2015 and analyzed for polychlorinated biphenyl (PCB) compounds; the target PCB mixtures were not detected. The analytical reports provided by TestAmerica are in Appendix A.





TETRA TECH
www.tetrattech.com

SHEEN LOCATION

LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

DATE:	08-12-2015
PROJECT NO.:	
DRAWN BY:	ISC
CHECKED BY:	
SHEET:	
FIGURE 1-1	

DRAWING NAME: K:\CADD\WMC\Bldg-Bulhead\fig1.dwg SHEET: Figure 1-1.dwg PLOT DATE: Aug 13, 2015 - 8:28am

Section 2

Human Health and Ecological Risk Evaluations

2.1 HUMAN HEALTH RISK SCREENING EVALUATION

Block D, including the area where the sheen was observed, is currently undergoing an industrial risk-based soil remediation. A human health risk evaluation was conducted to determine if the soil in the area where the sheen was observed should be included in the industrial risk-based removal. This human health risk evaluation compared concentrations detected in the soil sample to the remedial goal established for benzo(a)pyrene equivalent (BaPEq) concentrations in Tax Block D soil and United States Environmental Protection Agency (USEPA) regional screening levels (RSLs) (Table 2-1).

As specified in Table 2-1, five of seven carcinogenic PAHs (cPAHs) that contribute to the calculation of the benzo(a)pyrene equivalent (BaPEq) concentration were detected in soil at levels exceeding the USEPA RSL established for a residential land-use scenario. Thus, these chemicals would be considered chemicals of *potential* concern if a formal, quantitative human health risk assessment was performed. (Note that no other chemical listed in Table 2-1 exceeds its respective residential soil RSL.) However, because the location of the oil sheen sample is within the portion of Block D targeted for future industrial use, comparing detected soil concentrations to industrial benchmarks is more appropriate.

The BaPEq concentration in soil exceeds the USEPA RSL for benzo(a)pyrene under an industrial land-use scenario (290 µg/kg) and the MDE Generic Cleanup Standard for benzo(a)pyrene in non-residential soil (390 µg/kg). Both of these benchmarks are set at the 1×10^{-6} cancer risk level (i.e., a one-in-one million probability or chance of developing cancer). However, the BaPEq concentration does not exceed the preliminary remedial goal (PRG) established for BaPEq for soil cleanup in the Tax Block D remedial action plan (RAP) (2,900 µg/kg). This PRG, established for the group of cPAHs used to calculate the BaPEq, is set

at the MDE cumulative cancer risk benchmark of 1×10^{-5} (i.e., a one in one hundred thousand probability of developing cancer). Therefore, the residual risk analysis conducted using MDE guidelines in the Block D RAP would not have targeted this location for remediation based on worker exposure (Tetra Tech, Inc. [Tetra Tech], 2013).

Total petroleum hydrocarbon (TPH)–gasoline-range organics (GRO) were not detected in the soil sample collected. TPH–diesel-range organics (DRO) were detected at 95 milligrams per kilogram (mg/kg), a concentration less than both residential and non-residential cleanup standards. (MDE’s current generic residential and non-residential cleanup standards for DRO are 230 mg/kg and 620 mg/kg, respectively. These standards are based on non-cancer effects.)

Therefore, this screening human-health risk assessment indicates that detected soil concentrations do not pose a risk to human health (i.e., risks to a typical worker), and thus the sample location will not be targeted for removal during this remedial action.

2.2 ECOLOGICAL RISK SCREENING EVALUATION

Because the location of the sheen is immediately adjacent to the facility bulkhead, it could impact sediment and was therefore conservatively evaluated as a sediment location for an ecological assessment. Concentrations detected in the soil sample collected were compared to USEPA Region 3 freshwater sediment screening benchmarks (USEPA, 2006), and to background concentrations developed for Middle River sediment (Tetra Tech, 2011). The ecological risk evaluation is summarized in Table 2-2.

The concentration of nearly every detected chemical exceeded their respective benchmarks. Several concentrations also exceeded the maximum background concentration for sediment presented in the sediment risk assessment (Tetra Tech, 2011). Region 3 benchmarks are conservative values, below which adverse impacts to sediment invertebrates are not expected. Therefore, comparing sample results to higher effects benchmarks, (above which adverse impacts to sediment invertebrates are more likely) is more appropriate. Only three chemicals (dibenz[a,h]anthracene, naphthalene, and acenaphthene) were present at concentrations that exceeded the higher effects levels. However, these exceedances are unlikely to impact sediment invertebrates, because the impacted area is small, and detected concentrations are expected to decrease with increasing distance from the sheen source.

Table 2-1

**Soil Sample from Oily Sheen Compared to Human Health Screening Criteria, Block D
Middle River Complex, Middle River, Maryland**

SAMPLE LAB ID SAMPLE DATE	MRC-DPAN-062215 240-52297-1 06/22/2015	USEPA Regional Screening Level - Residential Soil⁽¹⁾	USEPA Regional Screening Level - Industrial Soil⁽¹⁾
Volatile organic compounds (µg/kg)			
1,2,4-Trimethylbenzene	17 J	5800 N	24000 N
Naphthalene	1300 B	3800 C	17000 C
Semivolatile organic compounds (µg/kg)			
Dibenz(a,h)anthracene	190	16 C	290 C
Dibenzofuran	190	7300 N	100000 N
Fluoranthene	1700	240000 N	3000000 N
Bis(2-ethylhexyl) phthalate	81 J B	39000 C	160000 C
Carbazole	290	NA	NA
Chrysene	930	16000 C	290000 C
Fluorene	230	240000 N	3000000 N
Pyrene	1500	180000 N	2300000 N
Indeno[1,2,3-cd]pyrene	620	160 C	2900 C
Naphthalene	620	3800 C	17000 C
Phenanthrene	1100	180000 N ⁽²⁾	2300000 N ⁽²⁾
1,1'-Biphenyl	25 J	4700 N	20000 N
2-Methylnaphthalene	75	24000 N	300000 N
Acenaphthene	330	360000 N	4500000 N
Acenaphthylene	23	360000 N ⁽³⁾	4500000 N ⁽³⁾
Benzo[b]fluoranthene	1300	160 C	2900 C
Benzo[g,h,i]perylene	690	180000 N ⁽²⁾	2300000 N ⁽²⁾
Benzo[k]fluoranthene	540	1600 C	29000 C
Anthracene	310	1800000 N	23000000 N
Benzo[a]anthracene	830	160 C	2900 C
Benzo[a]pyrene	930	16 C	290 C
Benzo[a]pyrene equivalents-1/2 non-detect ⁽⁴⁾	1400	16 C	290 C
Benzo[a]pyrene equivalents-positive results ⁽⁵⁾	1400	16 C	290 C
Petroleum hydrocarbons (mg/kg)			
Total petroleum hydrocarbons (C10-C32)	95	NA	NA
Miscellaneous parameters (%)			
Percent solids	80	NA	NA
Percent moisture	20	NA	NA

Black shaded concentrations exceed industrial screening values

Grey shaded concentrations exceed residential screening values

B - chemical detected in blank sample

J - estimated value

µg/kg - micrograms per kilogram

mg/kg - milligrams per kilogram

USEPA - United States Environmental Protection Agency

Table 2-2

**Soil/Sediment Sample from Oily Sheen Compared to Sediment Benchmarks, Block D
Middle River Complex, Middle River, Maryland**

SAMPLE LAB ID SAMPLE DATE	MRC-DPAN-062215 240-52297-1 06/22/2015	Region 3 Freshwater Sediment Screening Benchmarks ⁽¹⁾	Higher Effect Level Sediment Benchmark		Maximum Background Concentrations ⁽²⁾
			Value	Source	
Volatile organic compounds [ug/kg]					
1,2,4-Trimethylbenzene	17 J	NA	NA	NA	NA
Naphthalene	1300 B	176	561	PEC ⁴	NA
Semivolatile organic compounds [ug/kg]					
Dibenz[a,h]anthracene	190	33	135	PEL ³	1700 U
Dibenzofuran	190	415	NA	NA	410 U
Fluoranthene	1700	423	2230	PEC ⁴	3200
Bis[2-ethylhexyl]phthalate	81 J B	180	2647	PEL marine ³	2500
Carbazole	290	NA	NA	NA	410 U
Chrysene	930	166	1290	PEC ⁴	1600 J
Fluorene	230	77.4	536	PEC ⁴	210 J
Pyrene	1500	195	1520	PEC ⁴	4200 K
Indeno[1,2,3-cd]pyrene	620	17	3200	SEL ³	550 J
Naphthalene	620	176	561	PEC ⁴	51 J
Phenanthrene	1100	204	1170	PEC ⁴	2800
1,1'-Biphenyl	25 J	1220	NA	NA	NA
2-Methylnaphthalene	75	20.2	201	PEL marine ³	30 J
Acenaphthene	330	6.7	88.9	PEL ³	11 J
Acenaphthylene	23	5.9	128	PEL ³	180 J
Benzo[b]fluoranthene	1300	27.2	1800	AET ³	1200 J
Benzo[g,h,i]perylene	690	170	3200	SEL ³	320 J
Benzo[k]fluoranthene	540	240	13400	SEL ³	1100 J
Anthracene	310	57.2	845	PEC ⁴	490 J
Benzo[a]anthracene	830	108	1050	PEC ⁴	650
Benzo[a]pyrene	930	150	1450	PEC ⁴	530
Petroleum hydrocarbons [mg/kg]					
Total petroleum hydrocarbons [C10-C32]	95	NA	NA	NA	NA
Miscellaneous parameters [%]					
Percent solids	80	NA	NA	NA	NA
Percent moisture	20	NA	NA	NA	NA

Note: all values are freshwater except the PEL marine and AET.

Shaded cell indicates that the concentration detected in soil/sediment exceeds the value in that cell.

⁽¹⁾USEPA Region 3 Biological Technical Assistance Group, "Freshwater Sediment Screening Benchmarks." August. <http://www.epa.gov/reg3hwmd/risk/eco/btag/sbv/fwsed/screenbench.htm>

⁽²⁾Sediment Risk Assessment Lockheed Martin Middle River Complex, Middle River, Maryland. May.

⁽³⁾Buchman, M. F., 2008. "NOAA Screening Quick Reference Tables," NOAA OR&R Report 08-1, Seattle, WA, Office of Response and Restoration Division, National Oceanic and Atmospheric Administration, 34 pages. <http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html>

⁽⁴⁾MacDonald, D.D., C.G. Ingersoll, and T.A. Berger, 2000. "Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems." Archives of Environmental Contamination

AET - apparent effects threshold

NA - not applicable or not available; for background concentrations "NA" is assumed to be "not detected"

NOAA - National Oceanic and Atmospheric Administration

PEC - probable effects concentration

PEL - probable effects level

SEL - severe effects level

Section 3

Continuing Actions and Proposed Cleanup Activities

The following sections detail the proposed continuing action and cleanup activities for the area where the sheen was observed in Block D.

3.1 CONTINUING ACTIONS

Three tiers of oil sorbent logs have been placed below the sheen location and above high tide elevation. These sorbent logs are inspected each weekday and are replaced as necessary. If continuing inspections show that the size of the sheen is increasing and cannot be controlled, Lockheed Martin Corporation (Lockheed Martin) will notify the Maryland Department of the Environment (MDE) and the Oil Control Program, and take immediate action.

3.2 PROPOSED CLEANUP ACTIVITIES

Lockheed Martin proposes complete investigation of the sheen later this year when the erosion near a storm drain and catch basin in the corner of Block D and Block D Panhandle is repaired. This repair is anticipated to begin in September 2015, pending erosion and sediment control approval from Baltimore County and receipt of a general tidal wetland license from MDE. Weekday inspections of the sorbent logs and sorbent log replacement, as necessary, will continue until remediation is performed.

The proposed investigation of the sheen source is outlined below:

- The affected area is near a suspected wooden anchor for a tie-rod supporting the nearby bulkhead, so the sheen may be due to the presence of creosote on the anchor. Soil will be excavated within an approximately two-foot radius of the sheen location using an excavator or similar equipment to determine if another source other than the creosote-treated wood exists.

-
- A photoionization detector will be used continuously to evaluate the presence of volatile organic compounds (VOCs) during excavation.
 - The soil will be stockpiled on-site using poly sheeting, and will be covered with plastic.
 - If an oil source other than the treated wood is observed after soil excavation, an additional foot of soil will be excavated in the direction of the apparent source until the source is found and removed. If the treated wood of a bulkhead tieback anchor is the only source, it will remain in place.
 - The storm drain will be repaired as proposed in the soil remedial action design for the Lockheed Martin Middle River Complex (Tetra Tech, 2015).
 - Stockpiled soil will be sampled to determine if excavated soil should be sent offsite for disposal, or can be used as backfill in the same area.

Section 4

References

1. Buchman, M. F., 2008. *National Oceanic and Atmospheric Administration (NOAA) Screening Quick Reference Tables*. NOAA OR&R Report 08-1, Seattle, WA, Office of Response and Restoration Division, National Oceanic and Atmospheric Administration, 34 pages. <http://response.restoration.noaa.gov/cpr/sediment/squirt/squirt.html>
2. MacDonald, D.D., C.G. Ingersoll, and T.A. Berger, 2000. "Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems." *Archives of Environmental Contamination and Toxicology*, Vol. 39, pp. 20-31.
3. Tetra Tech, Inc. (Tetra Tech), 2011. *Sediment Risk Assessment, Lockheed Martin Middle River Complex, Middle River, Maryland*. May.
4. Tetra Tech, Inc. (Tetra Tech), 2013. *Block D Soil Remedial Action Plan, Lockheed Martin Middle River Complex, Middle River, Maryland*. July.
5. Tetra Tech, Inc. (Tetra Tech), 2015. *Soil Remedial Action 100% Design, Lockheed Martin Middle River Complex, Middle River, Maryland*. May.
6. United States Environmental Protection Agency (USEPA), 2006. USEPA Region 3 Biological Technical Assistance Group Freshwater Sediment Screening Benchmarks. August. <http://www.epa.gov/reg3hwmd/risk/eco/btag/sbv/fwsed/screenbench.htm>
7. United States Environmental Protection Agency (USEPA), 2015. "Regional Screening Levels for Chemical Contaminants at Superfund Sites." June. http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/

APPENDIX A—ANALYTICAL REPORTS FROM TESTAMERICA

ANALYTICAL REPORT

Job Number: 240-52297-1

Job Description: LM MRC Excavation Waste-Blocks

For:
Tetra Tech, Inc.
20251 Century Blvd
Suite 200
Germantown, MD 20874
Attention: Tony Apanavage



Approved for release.
John McFadden
Project Manager I
6/26/2015 4:40 PM

John McFadden, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
john.mcfadden@testamericainc.com
06/26/2015

cc: Samantha Brenner
Kelly Carper
Tobrena Sedlmyer

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Laboratories, Inc.

TestAmerica Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

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CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: LM MRC Excavation Waste-Blocks

Report Number: 240-52297-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The sample was received on 6/23/2015 9:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.2° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample MRC-DPAN-062215 (240-52297-1) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The sample was analyzed on 06/24/2015.

Naphthalene was detected in method blank MB 240-186440/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Sample MRC-DPAN-062215 (240-52297-1) was analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The sample was prepared on 06/24/2015 and analyzed on 06/26/2015.

Bis(2-ethylhexyl) phthalate, Caprolactam and Di-n-butyl phthalate were detected in method blank MB 240-186497/5-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Sample MRC-DPAN-062215 (240-52297-1)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GASOLINE RANGE ORGANICS

Sample MRC-DPAN-062215 (240-52297-1) was analyzed for gasoline range organics in accordance with EPA SW-846 Method 8015C - GRO. The sample was prepared and analyzed on 06/26/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS (DRO)

Sample MRC-DPAN-062215 (240-52297-1) was analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015C - DRO. The sample was prepared on 06/24/2015 and analyzed on 06/25/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Sample MRC-DPAN-062215 (240-52297-1) was analyzed for percent solids in accordance with EPA Method 160.3 MOD. The sample was analyzed on 06/23/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A4HP7 Analysis Batch Number: 185312Lab Sample ID: STD5 240-185312/2 IC Client Sample ID: _____Date Analyzed: 06/16/15 14:47 Lab File ID: 50616002.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.83	Poor Chromatography	gruberj	06/16/15 15:09
Pyridine	3.41	Poor Chromatography	gruberj	06/16/15 15:09
Caprolactam	7.74	Poor Chromatography	gruberj	06/16/15 15:09

Lab Sample ID: STD4 240-185312/3 IC Client Sample ID: _____Date Analyzed: 06/16/15 15:12 Lab File ID: 50616003.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.84	Poor Chromatography	gruberj	06/16/15 15:32

Lab Sample ID: STD3 240-185312/4 IC Client Sample ID: _____Date Analyzed: 06/16/15 15:37 Lab File ID: 50616004.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.84	Poor Chromatography	gruberj	06/17/15 10:57
N-Nitrosodimethylamine	3.39	Poor Chromatography	gruberj	06/17/15 10:57
Pyridine	3.43	Poor Chromatography	gruberj	06/17/15 10:57

Lab Sample ID: STD2 240-185312/5 IC Client Sample ID: _____Date Analyzed: 06/16/15 16:02 Lab File ID: 50616005.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.84	Poor Chromatography	gruberj	06/17/15 10:58
Pyridine	3.44	Poor Chromatography	gruberj	06/17/15 10:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A4HP7 Analysis Batch Number: 185312Lab Sample ID: STD9 240-185312/7 IC Client Sample ID: _____Date Analyzed: 06/16/15 16:53 Lab File ID: 50616007.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.84	Poor Chromatography	gruberj	06/17/15 11:01
Pyridine	3.41	Poor Chromatography	gruberj	06/17/15 11:01
Caprolactam	7.79	Poor Chromatography	gruberj	06/17/15 11:01

Lab Sample ID: STD8 240-185312/8 IC Client Sample ID: _____Date Analyzed: 06/16/15 17:18 Lab File ID: 50616008.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	7.78	Poor Chromatography	gruberj	06/17/15 11:02

Lab Sample ID: STD7 240-185312/9 IC Client Sample ID: _____Date Analyzed: 06/16/15 17:43 Lab File ID: 50616009.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.84	Poor Chromatography	gruberj	06/17/15 11:05
Pyridine	3.41	Poor Chromatography	gruberj	06/17/15 11:05
Caprolactam	7.77	Poor Chromatography	gruberj	06/17/15 11:05

Lab Sample ID: STD6 240-185312/10 ICIS Client Sample ID: _____Date Analyzed: 06/16/15 18:08 Lab File ID: 50616010.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.84	Poor Chromatography	gruberj	06/17/15 11:07
Pyridine	3.41	Poor Chromatography	gruberj	06/17/15 11:07
Caprolactam	7.76	Poor Chromatography	gruberj	06/17/15 11:07

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A4HP7 Analysis Batch Number: 185312Lab Sample ID: ICV 240-185312/11 Client Sample ID: _____Date Analyzed: 06/16/15 18:33 Lab File ID: 50616011.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.84	Poor Chromatography	gruberj	06/17/15 11:08
Caprolactam	7.76	Poor Chromatography	gruberj	06/17/15 11:08

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A4HP7 Analysis Batch Number: 186915Lab Sample ID: CCV 240-186915/2 CCVIS Client Sample ID: _____Date Analyzed: 06/26/15 10:33 Lab File ID: 50626002.D GC Column: RXI-5SILMS ID: 0.45 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.39	Poor chromatography	gruberj	06/26/15 11:03

SAMPLE SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-52297-1	MRC-DPAN-062215	Solid	06/22/2015 1100	06/23/2015 0930

EXECUTIVE SUMMARY - Detections

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-52297-1	MRC-DPAN-062215					
1,2,4-Trimethylbenzene		17	J	300	ug/Kg	8260B
Naphthalene		1300	B	300	ug/Kg	8260B
1,1'-Biphenyl		25	J	130	ug/Kg	8270D
2-Methylnaphthalene		75		17	ug/Kg	8270D
Acenaphthene		330		17	ug/Kg	8270D
Acenaphthylene		23		17	ug/Kg	8270D
Anthracene		310		17	ug/Kg	8270D
Benzo[a]anthracene		830		17	ug/Kg	8270D
Benzo[a]pyrene		930		17	ug/Kg	8270D
Benzo[b]fluoranthene		1300		17	ug/Kg	8270D
Benzo[g,h,i]perylene		690		17	ug/Kg	8270D
Benzo[k]fluoranthene		540		17	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		81	J B	180	ug/Kg	8270D
Carbazole		290		130	ug/Kg	8270D
Chrysene		930		17	ug/Kg	8270D
Dibenz(a,h)anthracene		190		17	ug/Kg	8270D
Dibenzofuran		190		130	ug/Kg	8270D
Fluoranthene		1700		17	ug/Kg	8270D
Fluorene		230		17	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		620		17	ug/Kg	8270D
Naphthalene		620		17	ug/Kg	8270D
Phenanthrene		1100		17	ug/Kg	8270D
Pyrene		1500		17	ug/Kg	8270D
Total Petroleum Hydrocarbons (C10-C32)		95		21	mg/Kg	8015C
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture

METHOD SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CAN	SW846 8260B	
Purge and Trap	TAL CAN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL CAN	SW846 8270D	
Soxhlet Extraction	TAL CAN		SW846 3540C
Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)	TAL CAN	SW846 8015C	
Purge and Trap	TAL CAN		SW846 5030A
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL CAN	SW846 8015C	
Soxhlet Extraction	TAL CAN		SW846 3540C
Percent Moisture	TAL CAN	EPA Moisture	

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Method	Analyst	Analyst ID
SW846 8260B	Macenczak, Steven	SAM
SW846 8270D	Gruber, John	JMG
SW846 8015C	Reed, Rachel T	RTR
SW846 8015C	Bolgrin, Deborah	DEB
EPA Moisture	Ilinkoski, Ashley	AI

Analytical Data

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Client Sample ID: MRC-DPAN-062215

Lab Sample ID: 240-52297-1

Date Sampled: 06/22/2015 1100

Client Matrix: Solid

% Moisture: 20.2

Date Received: 06/23/2015 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 240-186444

Instrument ID: A3UX8

Prep Method: 5030B

Prep Batch: 240-186440

Lab File ID: UX88133.D

Dilution: 1.0

Initial Weight/Volume: 5.31 g

Analysis Date: 06/24/2015 0837

Final Weight/Volume: 5 mL

Prep Date: 06/23/2015 2010

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		58	U	58	300
1,1,1-Trichloroethane		50	U	50	300
1,1,2,2-Tetrachloroethane		51	U	51	300
1,1,2-Trichloro-1,2,2-trifluoroethane		50	U	50	300
1,1-Dichloroethane		41	U	41	300
1,1-Dichloroethene		35	U	35	300
1,1-Dichloropropene		45	U	45	300
1,2,3-Trichlorobenzene		46	U	46	300
1,2,3-Trichloropropane		120	U	120	300
1,2,3-Trimethylbenzene		15	U	15	300
1,2,4-Trichlorobenzene		35	U	35	300
1,2,4-Trimethylbenzene		17	J	15	300
1,2-Dibromo-3-Chloropropane		84	U	84	590
1,2-Dichlorobenzene		22	U	22	300
1,2-Dichloroethane		63	U	63	300
1,2-Dichloropropane		38	U	38	300
1,3-Dichlorobenzene		35	U	35	300
1,3-Dichloropropane		27	U	27	300
1,4-Dichlorobenzene		48	U	48	300
2,2-Dichloropropane		61	U	61	300
2-Chloroethyl vinyl ether		92	U	92	1200
2-Chlorotoluene		48	U	48	300
2-Hexanone		99	U	99	1200
Bromobenzene		15	U	15	300
Bromochloromethane		83	U	83	300
4-Chlorotoluene		31	U	31	300
p-Isopropyltoluene		30	U	30	300
Acetone		270	U	270	1200
Benzene		11	U	11	300
Bromoform		72	U	72	300
Bromomethane		60	U	60	300
Carbon disulfide		66	U	66	300
Carbon tetrachloride		57	U	57	300
Chlorobenzene		48	U	48	300
Chloroethane		60	U	60	300
Chloroform		42	U	42	300
Chloromethane		57	U	57	300
cis-1,2-Dichloroethene		45	U	45	300
cis-1,3-Dichloropropene		26	U	26	300
Hexachlorobutadiene		52	U	52	300
Dibromomethane		59	U	59	300
Bromodichloromethane		45	U	45	300
Dichlorodifluoromethane		72	U	72	300
Ethylbenzene		41	U	41	300
1,2-Dibromoethane		38	U	38	300
Diisopropyl ether		61	U	61	590

Analytical Data

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Client Sample ID: MRC-DPAN-062215

Lab Sample ID: 240-52297-1

Date Sampled: 06/22/2015 1100

Client Matrix: Solid

% Moisture: 20.2

Date Received: 06/23/2015 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 240-186444

Instrument ID: A3UX8

Prep Method: 5030B

Prep Batch: 240-186440

Lab File ID: UX88133.D

Dilution: 1.0

Initial Weight/Volume: 5.31 g

Analysis Date: 06/24/2015 0837

Final Weight/Volume: 5 mL

Prep Date: 06/23/2015 2010

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		1300	B	31	300
m-Xylene & p-Xylene		24	U	24	300
n-Butylbenzene		25	U	25	300
Isopropylbenzene		15	U	15	300
N-Propylbenzene		72	U	72	300
2-Butanone (MEK)		86	U	86	1200
4-Methyl-2-pentanone (MIBK)		66	U	66	1200
sec-Butylbenzene		19	U	19	300
Methyl tert-butyl ether		35	U	35	300
Tert-amyl methyl ether		50	U	50	300
Methylene Chloride		100	U	100	300
o-Xylene		20	U	20	300
Styrene		32	U	32	300
Ethyl-t-butyl ether (ETBE)		19	U	19	300
tert-Butylbenzene		40	U	40	300
Tetrachloroethene		32	U	32	300
Toluene		12	U	12	300
trans-1,2-Dichloroethene		31	U	31	300
trans-1,3-Dichloropropene		31	U	31	300
Trichloroethene		46	U	46	300
Trichlorofluoromethane		41	U	41	300
Vinyl acetate		120	U F1	120	590
Vinyl chloride		66	U	66	300
tert-Butyl alcohol (TBA)		990	U F1	990	12000
Xylenes, Total		38	U	38	590
Dibromochloromethane		54	U	54	300

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		39 - 128
4-Bromofluorobenzene (Surr)	87		26 - 141
Toluene-d8 (Surr)	87		33 - 134
Dibromofluoromethane (Surr)	76		30 - 122

Analytical Data

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Client Sample ID: MRC-DPAN-062215

Lab Sample ID: 240-52297-1

Date Sampled: 06/22/2015 1100

Client Matrix: Solid

% Moisture: 20.2

Date Received: 06/23/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 240-186915

Instrument ID: A4HP7

Prep Method: 3540C

Prep Batch: 240-186497

Lab File ID: 50626007.D

Dilution: 2.0

Initial Weight/Volume: 29.85 g

Analysis Date: 06/26/2015 1240

Final Weight/Volume: 2 mL

Prep Date: 06/24/2015 0922

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		25	J	8.8	130
bis (2-chloroisopropyl) ether		24	U	24	250
2,4,5-Trichlorophenol		63	U	63	380
2,4,6-Trichlorophenol		22	U	22	380
2,4-Dichlorophenol		50	U	50	380
2,4-Dimethylphenol		50	U	50	380
2,4-Dinitrophenol		53	U	53	830
2,4-Dinitrotoluene		43	U	43	500
2,6-Dinitrotoluene		53	U	53	500
2-Chloronaphthalene		1.1	U	1.1	130
2-Chlorophenol		21	U	21	130
2-Methylnaphthalene		75		1.3	17
2-Methylphenol		28	U	28	500
2-Nitroaniline		23	U	23	500
2-Nitrophenol		21	U	21	130
3,3'-Dichlorobenzidine		45	U	45	250
3-Nitroaniline		40	U	40	500
4,6-Dinitro-2-methylphenol		23	U	23	380
4-Bromophenyl phenyl ether		33	U	33	130
4-Chloro-3-methylphenol		53	U	53	380
4-Chloroaniline		43	U	43	380
4-Chlorophenyl phenyl ether		33	U	33	130
4-Nitroaniline		66	U	66	500
4-Nitrophenol		43	U	43	830
Acenaphthene		330		1.9	17
Acenaphthylene		23		0.88	17
Acetophenone		23	U	23	250
Anthracene		310		2.0	17
Atrazine		23	U	23	500
Benzaldehyde		30	U	30	250
Benzo[a]anthracene		830		1.6	17
Benzo[a]pyrene		930		1.6	17
Benzo[b]fluoranthene		1300		1.5	17
Benzo[g,h,i]perylene		690		0.88	17
Benzo[k]fluoranthene		540		1.7	17
Bis(2-chloroethoxy)methane		55	U	55	250
Bis(2-chloroethyl)ether		5.0	U	5.0	250
Bis(2-ethylhexyl) phthalate		81	J B	48	180
Butyl benzyl phthalate		25	U	25	180
Caprolactam		93	U	93	830
Carbazole		290		68	130
Chrysene		930		2.8	17
Dibenz(a,h)anthracene		190		1.7	17
Dibenzofuran		190		1.7	130
Diethyl phthalate		40	U	40	180
Dimethyl phthalate		43	U	43	180

Analytical Data

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Client Sample ID: MRC-DPAN-062215

Lab Sample ID: 240-52297-1

Date Sampled: 06/22/2015 1100

Client Matrix: Solid

% Moisture: 20.2

Date Received: 06/23/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 240-186915

Instrument ID: A4HP7

Prep Method: 3540C

Prep Batch: 240-186497

Lab File ID: 50626007.D

Dilution: 2.0

Initial Weight/Volume: 29.85 g

Analysis Date: 06/26/2015 1240

Final Weight/Volume: 2 mL

Prep Date: 06/24/2015 0922

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Di-n-butyl phthalate		38	U	38	180
Di-n-octyl phthalate		20	U	20	180
Fluoranthene		1700		1.4	17
Fluorene		230		1.3	17
Hexachlorobenzene		5.3	U	5.3	17
Hexachlorobutadiene		14	U	14	130
Hexachlorocyclopentadiene		20	U F1	20	830
Hexachloroethane		23	U	23	130
Indeno[1,2,3-cd]pyrene		620		0.88	17
Isophorone		33	U	33	130
N-Nitrosodi-n-propylamine		16	U	16	130
N-Nitrosodiphenylamine		53	U	53	130
Naphthalene		620		2.1	17
Nitrobenzene		5.5	U	5.5	250
Pentachlorophenol		23	U	23	380
Phenanthrene		1100		1.8	17
Phenol		18	U	18	130
Pyrene		1500		1.1	17
3 & 4 Methylphenol		50	U	50	1000

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	76		36 - 110
Phenol-d5 (Surr)	76		26 - 110
Nitrobenzene-d5 (Surr)	65		20 - 110
2-Fluorophenol (Surr)	70		24 - 110
2-Fluorobiphenyl (Surr)	73		24 - 110
2,4,6-Tribromophenol (Surr)	43		10 - 110

Analytical Data

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Client Sample ID: MRC-DPAN-062215

Lab Sample ID: 240-52297-1

Date Sampled: 06/22/2015 1100

Client Matrix: Solid

% Moisture: 20.2

Date Received: 06/23/2015 0930

8015C Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analysis Method: 8015C

Analysis Batch: 240-186851

Instrument ID: AFID

Prep Method: 5030A

Prep Batch: 240-186849

Initial Weight/Volume: 4.99 g

Dilution: 1.0

Final Weight/Volume: 5 mL

Analysis Date: 06/26/2015 0904

Injection Volume: 5 mL

Prep Date: 06/26/2015 0534

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Gasoline Range Organics [C6 - C10]		58	U	58	130
Surrogate		%Rec	Qualifier	Acceptance Limits	
Trifluorotoluene (Surr)		67		40 - 139	

Analytical Data

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Client Sample ID: MRC-DPAN-062215

Lab Sample ID: 240-52297-1

Date Sampled: 06/22/2015 1100

Client Matrix: Solid

% Moisture: 20.2

Date Received: 06/23/2015 0930

8015C Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analysis Method: 8015C

Analysis Batch: 240-186787

Instrument ID: A2HP5F

Prep Method: 3540C

Prep Batch: 240-186501

Initial Weight/Volume: 30.30 g

Dilution: 1.0

Final Weight/Volume: 5 mL

Analysis Date: 06/25/2015 2247

Injection Volume: 1 uL

Prep Date: 06/24/2015 0933

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Total Petroleum Hydrocarbons (C10-C32)		95		7.9	21
Surrogate		%Rec	Qualifier	Acceptance Limits	
o-Terphenyl (Surr)		68		40 - 160	

Analytical Data

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

General Chemistry

Client Sample ID: MRC-DPAN-062215

Lab Sample ID: 240-52297-1

Client Matrix: Solid

Date Sampled: 06/22/2015 1100

Date Received: 06/23/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-186275	Analysis Date: 06/23/2015	1119				DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-186275	Analysis Date: 06/23/2015	1119				DryWt Corrected: N

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-52297-1	MRC-DPAN-062215	76	92	87	87
MB 240-186440/1-A		92	106	96	99
LCS 240-186440/2-A		101	109	101	104
240-52297-1 MS	MRC-DPAN-062215 MS	83	94	86	87
240-52297-1 MSD	MRC-DPAN-062215 MSD	82	92	85	86

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	30-122
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
TOL = Toluene-d8 (Surr)	33-134
BFB = 4-Bromofluorobenzene (Surr)	26-141

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-52297-1	MRC-DPAN-062215	70	76	65	73	43	76
MB 240-186497/5-A		80	86	85	83	56	95
LCS 240-186497/6-A		73	78	71	74	68	83
240-52297-1 MS	MRC-DPAN-062215 MS	75	75	73	74	62	69
240-52297-1 MSD	MRC-DPAN-062215 MSD	77	83	76	76	59	75

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	24-110
PHL = Phenol-d5 (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	20-110
FBP = 2-Fluorobiphenyl (Surr)	24-110
TBP = 2,4,6-Tribromophenol (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	36-110

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Surrogate Recovery Report

8015C Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
240-52297-1	MRC-DPAN-062215	67
MB 240-186849/1-A		64
LCS 240-186849/2-A		85
240-52297-1 MS	MRC-DPAN-062215 MS	47
240-52297-1 MSD	MRC-DPAN-062215 MSD	43

Surrogate

Acceptance Limits

TFT = Trifluorotoluene (Surr)

40-139

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Surrogate Recovery Report**8015C Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	OTPH1 %Rec
240-52297-1	MRC-DPAN-062215	68
MB 240-186501/5-A		72
LCS 240-186501/6-A		67
240-52297-1 MS	MRC-DPAN-062215 MS	78
240-52297-1 MSD	MRC-DPAN-062215 MSD	77

Surrogate

Acceptance Limits

OTPH = o-Terphenyl (Surr)

40-160

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Method Blank - Batch: 240-186440

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 240-186440/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0547
Prep Date: 06/23/2015 2010
Leach Date: N/A

Analysis Batch: 240-186444
Prep Batch: 240-186440
Leach Batch: N/A
Units: ug/Kg

Instrument ID: A3UX8
Lab File ID: UX88125.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	49	U	49	250
1,1,1-Trichloroethane	42	U	42	250
1,1,2,2-Tetrachloroethane	43	U	43	250
1,1,2-Trichloro-1,2,2-trifluoroethane	42	U	42	250
1,1-Dichloroethane	35	U	35	250
1,1-Dichloroethene	30	U	30	250
1,1-Dichloropropene	38	U	38	250
1,2,3-Trichlorobenzene	39	U	39	250
1,2,3-Trichloropropane	100	U	100	250
1,2,3-Trimethylbenzene	13	U	13	250
1,2,4-Trichlorobenzene	30	U	30	250
1,2,4-Trimethylbenzene	13	U	13	250
1,2-Dibromo-3-Chloropropane	71	U	71	500
1,2-Dichlorobenzene	19	U	19	250
1,2-Dichloroethane	53	U	53	250
1,2-Dichloropropane	32	U	32	250
1,3-Dichlorobenzene	30	U	30	250
1,3-Dichloropropane	23	U	23	250
1,4-Dichlorobenzene	41	U	41	250
2,2-Dichloropropane	52	U	52	250
2-Chloroethyl vinyl ether	78	U	78	1000
2-Chlorotoluene	41	U	41	250
2-Hexanone	84	U	84	1000
Bromobenzene	13	U	13	250
Bromochloromethane	70	U	70	250
4-Chlorotoluene	26	U	26	250
p-Isopropyltoluene	25	U	25	250
Acetone	230	U	230	1000
Benzene	9.0	U	9.0	250
Bromoform	61	U	61	250
Bromomethane	51	U	51	250
Carbon disulfide	56	U	56	250
Carbon tetrachloride	48	U	48	250
Chlorobenzene	41	U	41	250
Chloroethane	51	U	51	250
Chloroform	36	U	36	250
Chloromethane	48	U	48	250
cis-1,2-Dichloroethene	38	U	38	250
cis-1,3-Dichloropropene	22	U	22	250
Hexachlorobutadiene	44	U	44	250
Dibromomethane	50	U	50	250
Bromodichloromethane	38	U	38	250
Dichlorodifluoromethane	61	U	61	250
Ethylbenzene	35	U	35	250
1,2-Dibromoethane	32	U	32	250

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Method Blank - Batch: 240-186440

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 240-186440/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/24/2015 0547
 Prep Date: 06/23/2015 2010
 Leach Date: N/A

Analysis Batch: 240-186444
 Prep Batch: 240-186440
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A3UX8
 Lab File ID: UX88125.D
 Initial Weight/Volume: 5.00 g
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Diisopropyl ether	52	U	52	500
Naphthalene	34.1	J	26	250
m-Xylene & p-Xylene	20	U	20	250
n-Butylbenzene	21	U	21	250
Isopropylbenzene	13	U	13	250
N-Propylbenzene	61	U	61	250
2-Butanone (MEK)	73	U	73	1000
4-Methyl-2-pentanone (MIBK)	56	U	56	1000
sec-Butylbenzene	16	U	16	250
Methyl tert-butyl ether	30	U	30	250
Tert-amyl methyl ether	42	U	42	250
Methylene Chloride	85	U	85	250
o-Xylene	17	U	17	250
Styrene	27	U	27	250
Ethyl-t-butyl ether (ETBE)	16	U	16	250
tert-Butylbenzene	34	U	34	250
Tetrachloroethene	27	U	27	250
Toluene	10	U	10	250
trans-1,2-Dichloroethene	26	U	26	250
trans-1,3-Dichloropropene	26	U	26	250
Trichloroethene	39	U	39	250
Trichlorofluoromethane	35	U	35	250
Vinyl acetate	100	U	100	500
Vinyl chloride	56	U	56	250
tert-Butyl alcohol (TBA)	840	U	840	10000
Xylenes, Total	32	U	32	500
Dibromochloromethane	46	U	46	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	39 - 128
4-Bromofluorobenzene (Surr)	99	26 - 141
Toluene-d8 (Surr)	96	33 - 134
Dibromofluoromethane (Surr)	92	30 - 122

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Lab Control Sample - Batch: 240-186440

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 240-186440/2-A	Analysis Batch:	240-186444	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-186440	Lab File ID:	UX88126.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	06/24/2015 0608	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/23/2015 2010				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	1000	604	60	27 - 121	
1,1,1-Trichloroethane	1000	794	79	38 - 122	
1,1,2,2-Tetrachloroethane	1000	918	92	54 - 121	
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	922	92	48 - 151	
1,1-Dichloroethane	1000	1010	101	63 - 120	
1,1-Dichloroethene	1000	861	86	44 - 143	
1,1-Dichloropropene	1000	1060	106	60 - 123	
1,2,3-Trichlorobenzene	1000	858	86	43 - 129	
1,2,3-Trichloropropane	1000	943	94	74 - 124	
1,2,4-Trichlorobenzene	1000	868	87	41 - 135	
1,2,4-Trimethylbenzene	1000	961	96	62 - 133	
1,2-Dibromo-3-Chloropropane	1000	531	53	10 - 129	
1,2-Dichlorobenzene	1000	982	98	68 - 120	
1,2-Dichloroethane	1000	1030	103	68 - 120	
1,2-Dichloropropane	1000	1030	103	73 - 120	
1,3-Dichlorobenzene	1000	943	94	66 - 121	
1,3-Dichloropropane	1000	974	97	74 - 120	
1,4-Dichlorobenzene	1000	913	91	65 - 120	
2,2-Dichloropropane	1000	590	59	25 - 123	
2-Chloroethyl vinyl ether	1000	966	97	25 - 140	J
2-Chlorotoluene	1000	968	97	68 - 122	
2-Hexanone	2000	1810	91	43 - 130	
Bromobenzene	1000	926	93	72 - 120	
Bromochloromethane	1000	1010	101	56 - 128	
4-Chlorotoluene	1000	951	95	68 - 122	
p-Isopropyltoluene	1000	986	99	56 - 136	
Acetone	2000	2000	100	16 - 156	
Benzene	1000	1010	101	70 - 120	
Bromoform	1000	628	63	10 - 120	
Bromomethane	1000	861	86	10 - 120	
Carbon disulfide	1000	793	79	10 - 132	
Carbon tetrachloride	1000	621	62	29 - 120	
Chlorobenzene	1000	968	97	71 - 120	
Chloroethane	1000	841	84	10 - 120	
Chloroform	1000	985	99	63 - 120	
Chloromethane	1000	938	94	25 - 120	
cis-1,2-Dichloroethene	1000	984	98	60 - 125	
cis-1,3-Dichloropropene	1000	777	78	25 - 120	
Hexachlorobutadiene	1000	938	94	34 - 135	
Dibromomethane	1000	986	99	68 - 120	
Bromodichloromethane	1000	785	79	28 - 123	
Dichlorodifluoromethane	1000	689	69	10 - 120	
Ethylbenzene	1000	977	98	66 - 120	
1,2-Dibromoethane	1000	868	87	47 - 123	
Naphthalene	1000	797	80	37 - 126	
m-Xylene & p-Xylene	1000	972	97	67 - 120	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Lab Control Sample - Batch: 240-186440

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 240-186440/2-A	Analysis Batch:	240-186444	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-186440	Lab File ID:	UX88126.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	06/24/2015 0608	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/23/2015 2010				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
n-Butylbenzene	1000	977	98	51 - 137	
Isopropylbenzene	1000	972	97	61 - 123	
N-Propylbenzene	1000	975	98	64 - 130	
2-Butanone (MEK)	2000	1860	93	10 - 199	
4-Methyl-2-pentanone (MIBK)	2000	1950	98	49 - 121	
sec-Butylbenzene	1000	995	100	58 - 131	
Methyl tert-butyl ether	1000	1020	102	34 - 157	
Methylene Chloride	1000	1140	114	27 - 172	
o-Xylene	1000	1020	102	68 - 120	
Styrene	1000	943	94	60 - 120	
tert-Butylbenzene	1000	975	97	58 - 128	
Tetrachloroethene	1000	923	92	58 - 131	
Toluene	1000	984	98	66 - 123	
trans-1,2-Dichloroethene	1000	991	99	58 - 121	
trans-1,3-Dichloropropene	1000	661	66	22 - 122	
Trichloroethene	1000	949	95	59 - 124	
Trichlorofluoromethane	1000	868	87	17 - 145	
Vinyl acetate	1000	868	87	70 - 130	
Vinyl chloride	1000	932	93	33 - 120	
tert-Butyl alcohol (TBA)	10000	7410	74	70 - 130	J
Xylenes, Total	2000	1990	100	68 - 120	
Dibromochloromethane	1000	710	71	22 - 120	
Surrogate			% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)			109	39 - 128	
4-Bromofluorobenzene (Surr)			104	26 - 141	
Toluene-d8 (Surr)			101	33 - 134	
Dibromofluoromethane (Surr)			101	30 - 122	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186440

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0858
Prep Date: 06/23/2015 2010
Leach Date: N/A

Analysis Batch: 240-186444
Prep Batch: 240-186440
Leach Batch: N/A

Instrument ID: A3UX8
Lab File ID: UX88134.D
Initial Weight/Volume: 5.91 g
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0919
Prep Date: 06/23/2015 2010
Leach Date: N/A

Analysis Batch: 240-186444
Prep Batch: 240-186440
Leach Batch: N/A

Instrument ID: A3UX8
Lab File ID: UX88135.D
Initial Weight/Volume: 5.29 g
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1,2-Tetrachloroethane	36	39	19 - 124	20	30		
1,1,1-Trichloroethane	55	55	10 - 159	11	30		
1,1,2,2-Tetrachloroethane	74	71	16 - 158	7	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	71	67	23 - 168	4	30		
1,1-Dichloroethane	87	81	18 - 160	5	30		
1,1-Dichloroethene	74	71	10 - 179	6	30		
1,1-Dichloropropene	87	86	42 - 126	10	30		
1,2,3-Trichlorobenzene	72	70	10 - 123	8	30		
1,2,3-Trichloropropane	86	76	54 - 142	1	30		
1,2,4-Trichlorobenzene	75	69	10 - 136	4	30		
1,2,4-Trimethylbenzene	86	81	10 - 199	4	30		
1,2-Dibromo-3-Chloropropane	39	40	10 - 153	12	30	J	J
1,2-Dichlorobenzene	84	81	27 - 126	7	30		
1,2-Dichloroethane	89	87	25 - 150	9	30		
1,2-Dichloropropane	91	86	58 - 120	5	30		
1,3-Dichlorobenzene	79	77	29 - 124	8	30		
1,3-Dichloropropane	88	82	58 - 120	4	30		
1,4-Dichlorobenzene	79	77	30 - 123	9	30		
2,2-Dichloropropane	45	51	26 - 127	23	30		
2-Chloroethyl vinyl ether	87	77	10 - 137	1	30	J	J
2-Chlorotoluene	82	81	51 - 120	9	30		
2-Hexanone	81	77	21 - 141	6	30		
Bromobenzene	83	79	49 - 120	6	30		
Bromochloromethane	87	84	42 - 123	8	30		
4-Chlorotoluene	81	79	43 - 120	8	30		
p-Isopropyltoluene	85	80	33 - 139	5	30		
Acetone	77	72	10 - 142	4	30		
Benzene	88	84	10 - 199	6	30		
Bromoform	43	44	10 - 147	13	30		
Bromomethane	62	62	10 - 151	11	30		
Carbon disulfide	59	57	10 - 155	9	30		
Carbon tetrachloride	36	38	12 - 135	16	30		
Chlorobenzene	84	80	47 - 120	6	30		

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186440

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0858
Prep Date: 06/23/2015 2010
Leach Date: N/A

Analysis Batch: 240-186444
Prep Batch: 240-186440
Leach Batch: N/A

Instrument ID: A3UX8
Lab File ID: UX88134.D
Initial Weight/Volume: 5.91 g
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0919
Prep Date: 06/23/2015 2010
Leach Date: N/A

Analysis Batch: 240-186444
Prep Batch: 240-186440
Leach Batch: N/A

Instrument ID: A3UX8
Lab File ID: UX88135.D
Initial Weight/Volume: 5.29 g
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloroethane	71	69	10 - 168	9	30		
Chloroform	85	81	51 - 120	6	30		
Chloromethane	70	69	16 - 120	9	30		
cis-1,2-Dichloroethene	85	84	34 - 137	11	30		
cis-1,3-Dichloropropene	56	58	19 - 121	14	30		
Hexachlorobutadiene	81	74	10 - 134	3	30		
Dibromomethane	87	79	45 - 121	1	30		
Bromodichloromethane	50	53	18 - 133	18	30		
Dichlorodifluoromethane	37	38	10 - 120	14	30		
Ethylbenzene	86	82	27 - 143	6	30		
1,2-Dibromoethane	66	68	32 - 127	14	30		
Naphthalene	106	76	10 - 199	10	30		
m-Xylene & p-Xylene	86	81	14 - 151	4	30		
n-Butylbenzene	83	78	13 - 154	5	30		
Isopropylbenzene	88	80	39 - 126	2	30		
N-Propylbenzene	84	78	41 - 135	4	30		
2-Butanone (MEK)	83	80	10 - 172	7	30		
4-Methyl-2-pentanone (MIBK)	87	81	19 - 151	3	30		
sec-Butylbenzene	89	83	41 - 133	5	30		
Methyl tert-butyl ether	91	86	26 - 159	5	30		
Methylene Chloride	98	95	10 - 148	8	30		
o-Xylene	89	87	18 - 151	9	30		
Styrene	81	77	31 - 137	6	30		
tert-Butylbenzene	85	82	45 - 132	8	30		
Tetrachloroethene	79	75	19 - 153	6	30		
Toluene	86	83	10 - 168	7	30		
trans-1,2-Dichloroethene	82	78	40 - 126	7	30		
trans-1,3-Dichloropropene	45	48	10 - 136	17	30		
Trichloroethene	84	79	10 - 193	5	30		
Trichlorofluoromethane	64	60	10 - 157	6	30		
Vinyl acetate	64	67	70 - 130	16	30	F1	F1
Vinyl chloride	67	69	15 - 123	14	30		
tert-Butyl alcohol (TBA)	64	61	70 - 130	6	30	J F1	J F1

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186440

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0858
Prep Date: 06/23/2015 2010
Leach Date: N/A

Analysis Batch: 240-186444
Prep Batch: 240-186440
Leach Batch: N/A

Instrument ID: A3UX8
Lab File ID: UX88134.D
Initial Weight/Volume: 5.91 g
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0919
Prep Date: 06/23/2015 2010
Leach Date: N/A

Analysis Batch: 240-186444
Prep Batch: 240-186440
Leach Batch: N/A

Instrument ID: A3UX8
Lab File ID: UX88135.D
Initial Weight/Volume: 5.29 g
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Xylenes, Total	88	84	16 - 150	7	30		
Dibromochloromethane	44	48	10 - 128	20	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	94		92		39 - 128		
4-Bromofluorobenzene (Surr)	87		86		26 - 141		
Toluene-d8 (Surr)	86		85		33 - 134		
Dibromofluoromethane (Surr)	83		82		30 - 122		

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186440

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0858
Prep Date: 06/23/2015 2010
Leach Date: N/A

Units: ug/Kg

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0919
Prep Date: 06/23/2015 2010
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1,2-Tetrachloroethane	58	U	1060	1190	381	465
1,1,1-Trichloroethane	50	U	1060	1190	587	656
1,1,2,2-Tetrachloroethane	51	U	1060	1190	780	839
1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	1060	1190	758	791
1,1-Dichloroethane	41	U	1060	1190	918	964
1,1-Dichloroethene	35	U	1060	1190	790	836
1,1-Dichloropropene	45	U	1060	1190	926	1020
1,2,3-Trichlorobenzene	46	U	1060	1190	766	830
1,2,3-Trichloropropane	120	U	1060	1190	914	906
1,2,4-Trichlorobenzene	35	U	1060	1190	792	820
1,2,4-Trimethylbenzene	17	J	1060	1190	933	971
1,2-Dibromo-3-Chloropropane	84	U	1060	1190	416	J 469
1,2-Dichlorobenzene	22	U	1060	1190	896	960
1,2-Dichloroethane	63	U	1060	1190	941	1030
1,2-Dichloropropane	38	U	1060	1190	969	1020
1,3-Dichlorobenzene	35	U	1060	1190	843	915
1,3-Dichloropropane	27	U	1060	1190	934	969
1,4-Dichlorobenzene	48	U	1060	1190	842	918
2,2-Dichloropropane	61	U	1060	1190	478	602
2-Chloroethyl vinyl ether	92	U	1060	1190	921	J 914
2-Chlorotoluene	48	U	1060	1190	874	955
2-Hexanone	99	U	2120	2370	1710	1820
Bromobenzene	15	U	1060	1190	885	941
Bromochloromethane	83	U	1060	1190	919	995
4-Chlorotoluene	31	U	1060	1190	863	935
p-Isopropyltoluene	30	U	1060	1190	896	945
Acetone	270	U	2120	2370	1630	1700
Benzene	11	U	1060	1190	932	992
Bromoform	72	U	1060	1190	455	517
Bromomethane	60	U	1060	1190	659	734
Carbon disulfide	66	U	1060	1190	621	680
Carbon tetrachloride	57	U	1060	1190	383	451
Chlorobenzene	48	U	1060	1190	893	945
Chloroethane	60	U	1060	1190	748	816
Chloroform	42	U	1060	1190	896	956
Chloromethane	57	U	1060	1190	745	818
cis-1,2-Dichloroethene	45	U	1060	1190	900	1000
cis-1,3-Dichloropropene	26	U	1060	1190	597	688
Hexachlorobutadiene	52	U	1060	1190	855	880
Dibromomethane	59	U	1060	1190	923	934
Bromodichloromethane	45	U	1060	1190	526	629
Dichlorodifluoromethane	72	U	1060	1190	393	453
Ethylbenzene	41	U	1060	1190	908	967

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186440

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0858
Prep Date: 06/23/2015 2010
Leach Date: N/A

Units: ug/Kg

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/24/2015 0919
Prep Date: 06/23/2015 2010
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
1,2-Dibromoethane	38	U	1060	1190	700	802	
Naphthalene	1300		1060	1190	2390	2170	
m-Xylene & p-Xylene	24	U	1060	1190	917	955	
n-Butylbenzene	25	U	1060	1190	884	925	
Isopropylbenzene	15	U	1060	1190	928	946	
N-Propylbenzene	72	U	1060	1190	888	924	
2-Butanone (MEK)	86	U	2120	2370	1760	1890	
4-Methyl-2-pentanone (MIBK)	66	U	2120	2370	1850	1910	
sec-Butylbenzene	19	U	1060	1190	939	984	
Methyl tert-butyl ether	35	U	1060	1190	960	1010	
Methylene Chloride	100	U	1060	1190	1040	1120	
o-Xylene	20	U	1060	1190	948	1040	
Styrene	32	U	1060	1190	862	917	
tert-Butylbenzene	40	U	1060	1190	899	976	
Tetrachloroethene	32	U	1060	1190	834	889	
Toluene	12	U	1060	1190	915	981	
trans-1,2-Dichloroethene	31	U	1060	1190	866	925	
trans-1,3-Dichloropropene	31	U	1060	1190	480	571	
Trichloroethene	46	U	1060	1190	895	938	
Trichlorofluoromethane	41	U	1060	1190	675	714	
Vinyl acetate	120	U	1060	1190	680	799	F1
Vinyl chloride	66	U	1060	1190	712	818	
tert-Butyl alcohol (TBA)	990	U	10600	11900	6780	7240	J F1
Xylenes, Total	38	U	2120	2370	1870	2000	
Dibromochloromethane	54	U	1060	1190	466	569	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Method Blank - Batch: 240-186497

Method: 8270D

Preparation: 3540C

Lab Sample ID: MB 240-186497/5-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/26/2015 1100
 Prep Date: 06/24/2015 0922
 Leach Date: N/A

Analysis Batch: 240-186915
 Prep Batch: 240-186497
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A4HP7
 Lab File ID: 50626003.D
 Initial Weight/Volume: 30 g
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	3.5	U	3.5	50
bis (2-chloroisopropyl) ether	9.5	U	9.5	100
2,4,5-Trichlorophenol	25	U	25	150
2,4,6-Trichlorophenol	8.9	U	8.9	150
2,4-Dichlorophenol	20	U	20	150
2,4-Dimethylphenol	20	U	20	150
2,4-Dinitrophenol	21	U	21	330
2,4-Dinitrotoluene	17	U	17	200
2,6-Dinitrotoluene	21	U	21	200
2-Chloronaphthalene	0.45	U	0.45	50
2-Chlorophenol	8.2	U	8.2	50
2-Methylnaphthalene	0.50	U	0.50	6.7
2-Methylphenol	11	U	11	200
2-Nitroaniline	9.1	U	9.1	200
2-Nitrophenol	8.3	U	8.3	50
3,3'-Dichlorobenzidine	18	U	18	100
3-Nitroaniline	16	U	16	200
4,6-Dinitro-2-methylphenol	9.2	U	9.2	150
4-Bromophenyl phenyl ether	13	U	13	50
4-Chloro-3-methylphenol	21	U	21	150
4-Chloroaniline	17	U	17	150
4-Chlorophenyl phenyl ether	13	U	13	50
4-Nitroaniline	26	U	26	200
4-Nitrophenol	17	U	17	330
Acenaphthene	0.76	U	0.76	6.7
Acenaphthylene	0.35	U	0.35	6.7
Acetophenone	9.2	U	9.2	100
Anthracene	0.78	U	0.78	6.7
Atrazine	9.1	U	9.1	200
Benzaldehyde	12	U	12	100
Benzo[a]anthracene	0.63	U	0.63	6.7
Benzo[a]pyrene	0.64	U	0.64	6.7
Benzo[b]fluoranthene	0.59	U	0.59	6.7
Benzo[g,h,i]perylene	0.35	U	0.35	6.7
Benzo[k]fluoranthene	0.68	U	0.68	6.7
Bis(2-chloroethoxy)methane	22	U	22	100
Bis(2-chloroethyl)ether	2.0	U	2.0	100
Bis(2-ethylhexyl) phthalate	47.7	J	19	70
Butyl benzyl phthalate	10	U	10	70
Caprolactam	54.2	J	37	330
Carbazole	27	U	27	50
Chrysene	1.1	U	1.1	6.7
Dibenz(a,h)anthracene	0.66	U	0.66	6.7
Dibenzofuran	0.66	U	0.66	50
Diethyl phthalate	16	U	16	70

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Method Blank - Batch: 240-186497

Method: 8270D

Preparation: 3540C

Lab Sample ID: MB 240-186497/5-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/26/2015 1100
 Prep Date: 06/24/2015 0922
 Leach Date: N/A

Analysis Batch: 240-186915
 Prep Batch: 240-186497
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: A4HP7
 Lab File ID: 50626003.D
 Initial Weight/Volume: 30 g
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	17	U	17	70
Di-n-butyl phthalate	25.0	J	15	70
Di-n-octyl phthalate	7.9	U	7.9	70
Fluoranthene	0.55	U	0.55	6.7
Fluorene	0.53	U	0.53	6.7
Hexachlorobenzene	2.1	U	2.1	6.7
Hexachlorobutadiene	5.6	U	5.6	50
Hexachlorocyclopentadiene	8.1	U	8.1	330
Hexachloroethane	9.0	U	9.0	50
Indeno[1,2,3-cd]pyrene	0.35	U	0.35	6.7
Isophorone	13	U	13	50
N-Nitrosodi-n-propylamine	6.3	U	6.3	50
N-Nitrosodiphenylamine	21	U	21	50
Naphthalene	0.82	U	0.82	6.7
Nitrobenzene	2.2	U	2.2	100
Pentachlorophenol	9.1	U	9.1	150
Phenanthrene	0.73	U	0.73	6.7
Phenol	7.3	U	7.3	50
Pyrene	0.44	U	0.44	6.7
3 & 4 Methylphenol	20	U	20	400

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	95	36 - 110
Phenol-d5 (Surr)	86	26 - 110
Nitrobenzene-d5 (Surr)	85	20 - 110
2-Fluorophenol (Surr)	80	24 - 110
2-Fluorobiphenyl (Surr)	83	24 - 110
2,4,6-Tribromophenol (Surr)	56	10 - 110

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Lab Control Sample - Batch: 240-186497

Method: 8270D

Preparation: 3540C

Lab Sample ID:	LCS 240-186497/6-A	Analysis Batch:	240-186915	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-186497	Lab File ID:	50626004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/26/2015 1125	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	06/24/2015 0922			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	480	72	35 - 110	
bis (2-chloroisopropyl) ether	667	498	75	29 - 110	
2,4,5-Trichlorophenol	667	383	57	25 - 110	
2,4,6-Trichlorophenol	667	415	62	12 - 110	
2,4-Dichlorophenol	667	481	72	39 - 110	
2,4-Dimethylphenol	667	415	62	29 - 110	
2,4-Dinitrophenol	1330	899	67	10 - 110	
2,4-Dinitrotoluene	667	556	83	48 - 110	
2,6-Dinitrotoluene	667	551	83	45 - 110	
2-Chloronaphthalene	667	477	71	32 - 110	
2-Chlorophenol	667	457	69	37 - 110	
2-Methylnaphthalene	667	468	70	36 - 110	
2-Methylphenol	667	484	73	41 - 110	
2-Nitroaniline	667	584	88	45 - 110	
2-Nitrophenol	667	470	71	34 - 110	
3,3'-Dichlorobenzidine	1330	1020	76	28 - 110	
3-Nitroaniline	667	556	83	44 - 110	
4,6-Dinitro-2-methylphenol	1330	1020	76	10 - 110	
4-Bromophenyl phenyl ether	667	505	76	39 - 110	
4-Chloro-3-methylphenol	667	522	78	48 - 110	
4-Chloroaniline	667	461	69	30 - 110	
4-Chlorophenyl phenyl ether	667	496	74	40 - 110	
4-Nitroaniline	667	562	84	48 - 110	
4-Nitrophenol	1330	880	66	28 - 110	
Acenaphthene	667	496	74	38 - 110	
Acenaphthylene	667	493	74	40 - 110	
Acetophenone	667	481	72	40 - 110	
Anthracene	667	535	80	48 - 110	
Atrazine	1330	1260	94	66 - 127	
Benzaldehyde	1330	940	70	32 - 110	
Benzo[a]anthracene	667	521	78	50 - 110	
Benzo[a]pyrene	667	542	81	44 - 110	
Benzo[b]fluoranthene	667	563	84	43 - 110	
Benzo[g,h,i]perylene	667	602	90	51 - 110	
Benzo[k]fluoranthene	667	536	80	38 - 105	
Bis(2-chloroethoxy)methane	667	489	73	32 - 110	
Bis(2-chloroethyl)ether	667	451	68	34 - 110	
Bis(2-ethylhexyl) phthalate	667	620	93	50 - 110	
Butyl benzyl phthalate	667	577	87	51 - 110	
Caprolactam	1330	1250	94	44 - 114	
Carbazole	667	601	90	50 - 110	
Chrysene	667	557	83	50 - 110	
Dibenz(a,h)anthracene	667	587	88	51 - 110	
Dibenzofuran	667	495	74	43 - 110	
Diethyl phthalate	667	525	79	52 - 110	
Dimethyl phthalate	667	530	79	50 - 110	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Lab Control Sample - Batch: 240-186497

Method: 8270D

Preparation: 3540C

Lab Sample ID:	LCS 240-186497/6-A	Analysis Batch:	240-186915	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-186497	Lab File ID:	50626004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/26/2015 1125	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	06/24/2015 0922			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Di-n-butyl phthalate	667	651	98	51 - 110	
Di-n-octyl phthalate	667	592	89	48 - 110	
Fluoranthene	667	592	89	51 - 110	
Fluorene	667	502	75	46 - 110	
Hexachlorobenzene	667	460	69	43 - 110	
Hexachlorobutadiene	667	398	60	29 - 110	
Hexachlorocyclopentadiene	667	188	28	12 - 110	J
Hexachloroethane	667	387	58	30 - 110	
Indeno[1,2,3-cd]pyrene	667	583	87	50 - 110	
Isophorone	667	499	75	36 - 110	
N-Nitrosodi-n-propylamine	667	512	77	38 - 110	
N-Nitrosodiphenylamine	1330	1040	78	46 - 110	
Naphthalene	667	446	67	36 - 110	
Nitrobenzene	667	452	68	32 - 110	
Pentachlorophenol	1330	782	59	10 - 110	
Phenanthrene	667	527	79	49 - 110	
Phenol	667	489	73	38 - 110	
Pyrene	667	600	90	49 - 110	
3 & 4 Methylphenol	667	520	78	40 - 110	
Surrogate	% Rec		Acceptance Limits		
Terphenyl-d14 (Surr)	83		36 - 110		
Phenol-d5 (Surr)	78		26 - 110		
Nitrobenzene-d5 (Surr)	71		20 - 110		
2-Fluorophenol (Surr)	73		24 - 110		
2-Fluorobiphenyl (Surr)	74		24 - 110		
2,4,6-Tribromophenol (Surr)	68		10 - 110		

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186497

Method: 8270D
Preparation: 3540C

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/26/2015 1305
Prep Date: 06/24/2015 0922
Leach Date: N/A

Analysis Batch: 240-186915
Prep Batch: 240-186497
Leach Batch: N/A

Instrument ID: A4HP7
Lab File ID: 50626008.D
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/26/2015 1330
Prep Date: 06/24/2015 0922
Leach Date: N/A

Analysis Batch: 240-186915
Prep Batch: 240-186497
Leach Batch: N/A

Instrument ID: A4HP7
Lab File ID: 50626009.D
Initial Weight/Volume: 29.94 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1'-Biphenyl	71	74	32 - 110	5	32		
bis (2-chloroisopropyl) ether	78	84	11 - 110	8	42		
2,4,5-Trichlorophenol	64	62	10 - 117	1	99		
2,4,6-Trichlorophenol	62	59	10 - 110	5	38		
2,4-Dichlorophenol	70	76	10 - 110	8	34		
2,4-Dimethylphenol	69	76	10 - 110	11	31		
2,4-Dinitrophenol	43	25	10 - 110	53	99	J	J
2,4-Dinitrotoluene	74	82	32 - 110	10	30		
2,6-Dinitrotoluene	75	83	35 - 110	11	30		
2-Chloronaphthalene	71	76	28 - 110	8	30		
2-Chlorophenol	68	75	10 - 110	9	47		
2-Methylnaphthalene	71	75	10 - 133	4	42		
2-Methylphenol	77	84	24 - 110	9	51		
2-Nitroaniline	79	84	39 - 110	8	31		
2-Nitrophenol	73	73	10 - 110	0	49		
3,3'-Dichlorobenzidine	43	62	10 - 110	37	56		
3-Nitroaniline	62	75	10 - 110	19	30		
4,6-Dinitro-2-methylphenol	46	27	10 - 110	51	55		
4-Bromophenyl phenyl ether	70	77	33 - 110	11	30		
4-Chloro-3-methylphenol	70	80	25 - 110	14	54		
4-Chloroaniline	54	61	10 - 110	11	36		
4-Chlorophenyl phenyl ether	70	77	32 - 110	10	30		
4-Nitroaniline	66	80	10 - 110	21	48		
4-Nitrophenol	75	77	10 - 113	3	49		
Acenaphthene	69	58	22 - 110	10	99		
Acenaphthylene	73	79	24 - 110	8	99		
Acetophenone	74	80	31 - 110	7	43		
Anthracene	74	66	20 - 110	7	99		
Atrazine	83	92	45 - 118	11	30		
Benzaldehyde	78	84	23 - 110	7	42		
Benzo[a]anthracene	72	85	10 - 122	7	99		
Benzo[a]pyrene	65	70	10 - 110	3	99		
Benzo[b]fluoranthene	51	45	12 - 118	3	99		

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186497

Method: 8270D
Preparation: 3540C

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/26/2015 1305
Prep Date: 06/24/2015 0922
Leach Date: N/A

Analysis Batch: 240-186915
Prep Batch: 240-186497
Leach Batch: N/A

Instrument ID: A4HP7
Lab File ID: 50626008.D
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/26/2015 1330
Prep Date: 06/24/2015 0922
Leach Date: N/A

Analysis Batch: 240-186915
Prep Batch: 240-186497
Leach Batch: N/A

Instrument ID: A4HP7
Lab File ID: 50626009.D
Initial Weight/Volume: 29.94 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzo[g,h,i]perylene	20	24	10 - 117	4	99		
Benzo[k]fluoranthene	70	73	10 - 121	3	99		
Bis(2-chloroethoxy)methane	74	78	26 - 110	6	37		
Bis(2-chloroethyl)ether	73	79	21 - 110	8	55		
Bis(2-ethylhexyl) phthalate	73	81	40 - 110	9	30		
Butyl benzyl phthalate	77	83	44 - 110	8	30		
Caprolactam	87	98	10 - 134	13	32		
Carbazole	71	67	34 - 110	4	30		
Chrysene	79	96	10 - 125	9	99		
Dibenz(a,h)anthracene	46	55	14 - 113	12	99		
Dibenzofuran	64	61	29 - 110	3	30		
Diethyl phthalate	76	84	42 - 110	10	30		
Dimethyl phthalate	75	79	41 - 110	6	30		
Di-n-butyl phthalate	87	95	43 - 110	10	30		
Di-n-octyl phthalate	84	90	24 - 119	7	30		
Fluoranthene	89	76	10 - 110	4	99		
Fluorene	68	62	23 - 110	6	99		
Hexachlorobenzene	57	64	34 - 110	12	30		
Hexachlorobutadiene	65	69	25 - 110	6	34		
Hexachlorocyclopentadiene	0	0	10 - 110	NC	79	U F1	U F1
Hexachloroethane	57	59	12 - 110	3	50		
Indeno[1,2,3-cd]pyrene	31	37	10 - 114	5	99		
Isophorone	77	82	29 - 110	8	38		
N-Nitrosodi-n-propylamine	79	84	26 - 110	7	42		
N-Nitrosodiphenylamine	72	79	22 - 110	10	30		
Naphthalene	64	64	10 - 111	0	99		
Nitrobenzene	73	76	23 - 110	5	41		
Pentachlorophenol	38	37	10 - 110	2	50		
Phenanthrene	80	43	10 - 166	19	99		
Phenol	73	80	17 - 110	10	53		
Pyrene	95	118	10 - 147	8	99		
3 & 4 Methylphenol	77	87	25 - 110	12	50	J	J
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Terphenyl-d14 (Surr)	69	75	36 - 110
Phenol-d5 (Surr)	75	83	26 - 110
Nitrobenzene-d5 (Surr)	73	76	20 - 110
2-Fluorophenol (Surr)	75	77	24 - 110
2-Fluorobiphenyl (Surr)	74	76	24 - 110
2,4,6-Tribromophenol (Surr)	62	59	10 - 110

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186497

Method: 8270D
Preparation: 3540C

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/26/2015 1305
Prep Date: 06/24/2015 0922
Leach Date: N/A

Units: ug/Kg

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/26/2015 1330
Prep Date: 06/24/2015 0922
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1'-Biphenyl	25 J	833	838	617	648
bis (2-chloroisopropyl) ether	24 U	833	838	646	702
2,4,5-Trichlorophenol	63 U	833	838	529	523
2,4,6-Trichlorophenol	22 U	833	838	519	493
2,4-Dichlorophenol	50 U	833	838	586	633
2,4-Dimethylphenol	50 U	833	838	573	639
2,4-Dinitrophenol	53 U	1670	1680	720 J	418 J
2,4-Dinitrotoluene	43 U	833	838	620	685
2,6-Dinitrotoluene	53 U	833	838	622	694
2-Chloronaphthalene	1.1 U	833	838	588	636
2-Chlorophenol	21 U	833	838	569	624
2-Methylnaphthalene	75	833	838	670	701
2-Methylphenol	28 U	833	838	643	704
2-Nitroaniline	23 U	833	838	655	707
2-Nitrophenol	21 U	833	838	608	608
3,3'-Dichlorobenzidine	45 U	1670	1680	722	1050
3-Nitroaniline	40 U	833	838	515	625
4,6-Dinitro-2-methylphenol	23 U	1670	1680	760	451
4-Bromophenyl phenyl ether	33 U	833	838	583	648
4-Chloro-3-methylphenol	53 U	833	838	586	674
4-Chloroaniline	43 U	833	838	453	508
4-Chlorophenyl phenyl ether	33 U	833	838	582	647
4-Nitroaniline	66 U	833	838	548	674
4-Nitrophenol	43 U	1670	1680	1250	1290
Acenaphthene	330	833	838	899	810
Acenaphthylene	23	833	838	631	682
Acetophenone	23 U	833	838	618	666
Anthracene	310	833	838	930	866
Atrazine	23 U	1670	1680	1380	1550
Benzaldehyde	30 U	1670	1680	1310	1410
Benzo[a]anthracene	830	833	838	1430	1540
Benzo[a]pyrene	930	833	838	1470	1520
Benzo[b]fluoranthene	1300	833	838	1770	1720
Benzo[g,h,i]perylene	690	833	838	861	897
Benzo[k]fluoranthene	540	833	838	1120	1160
Bis(2-chloroethoxy)methane	55 U	833	838	615	652
Bis(2-chloroethyl)ether	5.0 U	833	838	609	660
Bis(2-ethylhexyl) phthalate	81 J	833	838	690	758
Butyl benzyl phthalate	25 U	833	838	643	699
Caprolactam	93 U	1670	1680	1440	1640
Carbazole	290	833	838	886	853
Chrysene	930	833	838	1580	1740
Dibenz(a,h)anthracene	190	833	838	575	651

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186497

Method: 8270D
Preparation: 3540C

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/26/2015 1305
Prep Date: 06/24/2015 0922
Leach Date: N/A

Units: ug/Kg

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 06/26/2015 1330
Prep Date: 06/24/2015 0922
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Dibenzofuran	190		833	838	723	703
Diethyl phthalate	40	U	833	838	633	699
Dimethyl phthalate	43	U	833	838	621	658
Di-n-butyl phthalate	38	U	833	838	724	798
Di-n-octyl phthalate	20	U	833	838	703	758
Fluoranthene	1700		833	838	2490	2380
Fluorene	230		833	838	789	744
Hexachlorobenzene	5.3	U	833	838	475	538
Hexachlorobutadiene	14	U	833	838	541	575
Hexachlorocyclopentadiene	20	U	833	838	20	20
Hexachloroethane	23	U	833	838	474	490
Indeno[1,2,3-cd]pyrene	620		833	838	883	929
Isophorone	33	U	833	838	640	690
N-Nitrosodi-n-propylamine	16	U	833	838	656	704
N-Nitrosodiphenylamine	53	U	1670	1680	1200	1320
Naphthalene	620		833	838	1160	1160
Nitrobenzene	5.5	U	833	838	609	641
Pentachlorophenol	23	U	1670	1680	633	617
Phenanthrene	1100		833	838	1750	1450
Phenol	18	U	833	838	610	673
Pyrene	1500		833	838	2290	2490
3 & 4 Methylphenol	50	U	833	838	643	727

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Method Blank - Batch: 240-186849

Method: 8015C Preparation: 5030A

Lab Sample ID: MB 240-186849/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/26/2015 0750
Prep Date: 06/26/2015 0534
Leach Date: N/A

Analysis Batch: 240-186851
Prep Batch: 240-186849
Leach Batch: N/A
Units: ug/Kg

Instrument ID: AFID
Lab File ID: A0062605.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL
Injection Volume: 5 mL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics [C6 - C10]	46	U	46	100
Surrogate	% Rec		Acceptance Limits	
Trifluorotoluene (Surr)	64		40 - 139	
Surrogate	% Rec		Acceptance Limits	
Trifluorotoluene (Surr)	85		40 - 139	
Surrogate	MS % Rec	MSD % Rec	Acceptance Limits	
Trifluorotoluene (Surr)	47	43	40 - 139	

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Method Blank - Batch: 240-186501

Method: 8015C
Preparation: 3540C

Lab Sample ID:	MB 240-186501/5-A	Analysis Batch:	240-186787	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-186501	Lab File ID:	P5F62507.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/25/2015 1631	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/24/2015 0933			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Total Petroleum Hydrocarbons (C10-C32)	6.4	U	6.4	17

Surrogate	% Rec	Acceptance Limits
o-Terphenyl (Surr)	72	40 - 160

Lab Control Sample - Batch: 240-186501

Method: 8015C
Preparation: 3540C

Lab Sample ID:	LCS 240-186501/6-A	Analysis Batch:	240-186787	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-186501	Lab File ID:	P5F62508.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/25/2015 1702	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	06/24/2015 0933			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	83.3	63.7	76	52 - 120	

Surrogate	% Rec	Acceptance Limits
o-Terphenyl (Surr)	67	40 - 160

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186501

Method: 8015C
Preparation: 3540C

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2015 2318
Prep Date: 06/24/2015 0933
Leach Date: N/A

Analysis Batch: 240-186787
Prep Batch: 240-186501
Leach Batch: N/A

Instrument ID: A2HP5F
Lab File ID: P5F62520.D
Initial Weight/Volume: 30.49 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2015 2349
Prep Date: 06/24/2015 0933
Leach Date: N/A

Analysis Batch: 240-186787
Prep Batch: 240-186501
Leach Batch: N/A

Instrument ID: A2HP5F
Lab File ID: P5F62521.D
Initial Weight/Volume: 30.44 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel	115	84	10 - 124	19	40		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
o-Terphenyl (Surr)	78		77	40 - 160			

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-186501

Method: 8015C
Preparation: 3540C

MS Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2015 2318
Prep Date: 06/24/2015 0933
Leach Date: N/A

Units: mg/Kg

MSD Lab Sample ID: 240-52297-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 06/25/2015 2349
Prep Date: 06/24/2015 0933
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Diesel	65	103	103	184	152

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Duplicate - Batch: 240-186275

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-52281-A-293 DU	Analysis Batch:	240-186275	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/23/2015 1107	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	94	94	0.4	20	
Percent Moisture	5.7	6.1	7	20	

DATA REPORTING QUALIFIERS

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Lab Section	Qualifier	Description
GC/MS VOA	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC VOA	U	Indicates the analyte was analyzed for but not detected.
GC Semi VOA	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-186440					
LCS 240-186440/2-A	Lab Control Sample	T	Solid	5030B	
MB 240-186440/1-A	Method Blank	T	Solid	5030B	
240-52297-1	MRC-DPAN-062215	T	Solid	5030B	
240-52297-1MS	Matrix Spike	T	Solid	5030B	
240-52297-1MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:240-186444					
LCS 240-186440/2-A	Lab Control Sample	T	Solid	8260B	240-186440
MB 240-186440/1-A	Method Blank	T	Solid	8260B	240-186440
240-52297-1	MRC-DPAN-062215	T	Solid	8260B	240-186440
240-52297-1MS	Matrix Spike	T	Solid	8260B	240-186440
240-52297-1MSD	Matrix Spike Duplicate	T	Solid	8260B	240-186440

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 240-186497					
LCS 240-186497/6-A	Lab Control Sample	T	Solid	3540C	
MB 240-186497/5-A	Method Blank	T	Solid	3540C	
240-52297-1	MRC-DPAN-062215	T	Solid	3540C	
240-52297-1MS	Matrix Spike	T	Solid	3540C	
240-52297-1MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-186915					
LCS 240-186497/6-A	Lab Control Sample	T	Solid	8270D	240-186497
MB 240-186497/5-A	Method Blank	T	Solid	8270D	240-186497
240-52297-1	MRC-DPAN-062215	T	Solid	8270D	240-186497
240-52297-1MS	Matrix Spike	T	Solid	8270D	240-186497
240-52297-1MSD	Matrix Spike Duplicate	T	Solid	8270D	240-186497

Report Basis

T = Total

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-186849					
LCS 240-186849/2-A	Lab Control Sample	T	Solid	5030A	
MB 240-186849/1-A	Method Blank	T	Solid	5030A	
240-52297-1	MRC-DPAN-062215	T	Solid	5030A	
240-52297-1MS	Matrix Spike	T	Solid	5030A	
240-52297-1MSD	Matrix Spike Duplicate	T	Solid	5030A	
Analysis Batch:240-186851					
LCS 240-186849/2-A	Lab Control Sample	T	Solid	8015C	240-186849
MB 240-186849/1-A	Method Blank	T	Solid	8015C	240-186849
240-52297-1	MRC-DPAN-062215	T	Solid	8015C	240-186849
240-52297-1MS	Matrix Spike	T	Solid	8015C	240-186849
240-52297-1MSD	Matrix Spike Duplicate	T	Solid	8015C	240-186849

Report Basis

T = Total

GC Semi VOA

Prep Batch: 240-186501					
LCS 240-186501/6-A	Lab Control Sample	T	Solid	3540C	
MB 240-186501/5-A	Method Blank	T	Solid	3540C	
240-52297-1	MRC-DPAN-062215	T	Solid	3540C	
240-52297-1MS	Matrix Spike	T	Solid	3540C	
240-52297-1MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:240-186787					
LCS 240-186501/6-A	Lab Control Sample	T	Solid	8015C	240-186501
MB 240-186501/5-A	Method Blank	T	Solid	8015C	240-186501
240-52297-1	MRC-DPAN-062215	T	Solid	8015C	240-186501
240-52297-1MS	Matrix Spike	T	Solid	8015C	240-186501
240-52297-1MSD	Matrix Spike Duplicate	T	Solid	8015C	240-186501

Report Basis

T = Total

General Chemistry

Analysis Batch:240-186275					
240-52281-A-293 DU	Duplicate	T	Solid	Moisture	
240-52297-1	MRC-DPAN-062215	T	Solid	Moisture	

Report Basis

T = Total

TestAmerica Canton

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Laboratory Chronicle

Lab ID: 240-52297-1

Client ID: MRC-DPAN-062215

Sample Date/Time: 06/22/2015 11:00 Received Date/Time: 06/23/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-52297-B-1-A		240-186444	240-186440	06/23/2015 20:10	1	TAL CAN	LAM
A:8260B	240-52297-B-1-A		240-186444	240-186440	06/24/2015 08:37	1	TAL CAN	SAM
P:3540C	240-52297-D-1-D		240-186915	240-186497	06/24/2015 09:22	2	TAL CAN	SDE
A:8270D	240-52297-D-1-D		240-186915	240-186497	06/26/2015 12:40	2	TAL CAN	JMG
P:5030A	240-52297-A-1-A		240-186851	240-186849	06/26/2015 05:34	1	TAL CAN	RTR
A:8015C	240-52297-A-1-A		240-186851	240-186849	06/26/2015 09:04	1	TAL CAN	RTR
P:3540C	240-52297-D-1-G		240-186787	240-186501	06/24/2015 09:33	1	TAL CAN	SDE
A:8015C	240-52297-D-1-G		240-186787	240-186501	06/25/2015 22:47	1	TAL CAN	DEB
A:Moisture	240-52297-A-1		240-186275		06/23/2015 11:19	1	TAL CAN	AI

Lab ID: 240-52297-1 MS

Client ID: MRC-DPAN-062215

Sample Date/Time: 06/22/2015 11:00 Received Date/Time: 06/23/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-52297-B-1-B MS		240-186444	240-186440	06/23/2015 20:10	1	TAL CAN	LAM
A:8260B	240-52297-B-1-B MS		240-186444	240-186440	06/24/2015 08:58	1	TAL CAN	SAM
P:3540C	240-52297-D-1-E MS		240-186915	240-186497	06/24/2015 09:22	2	TAL CAN	SDE
A:8270D	240-52297-D-1-E MS		240-186915	240-186497	06/26/2015 13:05	2	TAL CAN	JMG
P:5030A	240-52297-A-1-B MS		240-186851	240-186849	06/26/2015 05:34	1	TAL CAN	RTR
A:8015C	240-52297-A-1-B MS		240-186851	240-186849	06/26/2015 09:41	1	TAL CAN	RTR
P:3540C	240-52297-D-1-H MS		240-186787	240-186501	06/24/2015 09:33	1	TAL CAN	SDE
A:8015C	240-52297-D-1-H MS		240-186787	240-186501	06/25/2015 23:18	1	TAL CAN	DEB

Lab ID: 240-52297-1 MSD

Client ID: MRC-DPAN-062215

Sample Date/Time: 06/22/2015 11:00 Received Date/Time: 06/23/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-52297-B-1-C MSD		240-186444	240-186440	06/23/2015 20:10	1	TAL CAN	LAM
A:8260B	240-52297-B-1-C MSD		240-186444	240-186440	06/24/2015 09:19	1	TAL CAN	SAM
P:3540C	240-52297-D-1-F MSD		240-186915	240-186497	06/24/2015 09:22	2	TAL CAN	SDE
A:8270D	240-52297-D-1-F MSD		240-186915	240-186497	06/26/2015 13:30	2	TAL CAN	JMG
P:5030A	240-52297-A-1-C MSD		240-186851	240-186849	06/26/2015 05:34	1	TAL CAN	RTR
A:8015C	240-52297-A-1-C MSD		240-186851	240-186849	06/26/2015 10:18	1	TAL CAN	RTR
P:3540C	240-52297-D-1-I MSD		240-186787	240-186501	06/24/2015 09:33	1	TAL CAN	SDE
A:8015C	240-52297-D-1-I MSD		240-186787	240-186501	06/25/2015 23:49	1	TAL CAN	DEB

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-52297-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 240-186440/1-A		240-186444	240-186440	06/23/2015 20:10	1	TAL CAN	LAM
A:8260B	MB 240-186440/1-A		240-186444	240-186440	06/24/2015 05:47	1	TAL CAN	SAM
P:3540C	MB 240-186497/5-A		240-186915	240-186497	06/24/2015 09:22	1	TAL CAN	SDE
A:8270D	MB 240-186497/5-A		240-186915	240-186497	06/26/2015 11:00	1	TAL CAN	JMG
P:5030A	MB 240-186849/1-A		240-186851	240-186849	06/26/2015 05:34	1	TAL CAN	RTR
A:8015C	MB 240-186849/1-A		240-186851	240-186849	06/26/2015 07:50	1	TAL CAN	RTR
P:3540C	MB 240-186501/5-A		240-186787	240-186501	06/24/2015 09:33	1	TAL CAN	SDE
A:8015C	MB 240-186501/5-A		240-186787	240-186501	06/25/2015 16:31	1	TAL CAN	DEB

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 240-186440/2-A		240-186444	240-186440	06/23/2015 20:10	1	TAL CAN	LAM
A:8260B	LCS 240-186440/2-A		240-186444	240-186440	06/24/2015 06:08	1	TAL CAN	SAM
P:3540C	LCS 240-186497/6-A		240-186915	240-186497	06/24/2015 09:22	1	TAL CAN	SDE
A:8270D	LCS 240-186497/6-A		240-186915	240-186497	06/26/2015 11:25	1	TAL CAN	JMG
P:5030A	LCS 240-186849/2-A		240-186851	240-186849	06/26/2015 05:34	1	TAL CAN	RTR
A:8015C	LCS 240-186849/2-A		240-186851	240-186849	06/26/2015 08:27	1	TAL CAN	RTR
P:3540C	LCS 240-186501/6-A		240-186787	240-186501	06/24/2015 09:33	1	TAL CAN	SDE
A:8015C	LCS 240-186501/6-A		240-186787	240-186501	06/25/2015 17:02	1	TAL CAN	DEB

Lab ID: DU

Client ID: N/A

Sample Date/Time: 06/19/2015 08:28

Received Date/Time: 06/20/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-52281-A-293 DU		240-186275		06/23/2015 11:07	1	TAL CAN	AI

Lab References:

TAL CAN = TestAmerica Canton

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
exBENZALDEHYD_00025	06/10/16	06/08/15	MEOH, Lot 0000085233	200 mL	EXLIST1_S11_00001	4 mL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
.EXLIST1_S11_00001	08/31/16	Restek, Lot A0108989			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
exBNASPIKE_00044	06/10/16	06/11/15	MEOH, Lot 0000085233	200 mL	EXLIST1_S1_00001	4 mL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Methylphenol	10 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis (2-chloroethoxy)methane	20 ug/mL
							Bis (2-chloroethyl) ether	20 ug/mL
							Bis (2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz (a,h) anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
.EXLIST1_S1_00001	09/30/16	Restek, Lot A0109703			EXLIST1_S10_00001	4 mL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					EXLIST1_S9_00001	4 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzydine	40 ug/mL
					(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	500 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	500 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.EXLIST1_S10_00001	08/31/16		Restek, Lot A0108988		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.EXLIST1_S9_00001	07/31/16		Restek, Lot A0108709		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benidine	2000 ug/mL
EXBNASURR W_00024	06/10/16	06/14/15	MEOH, Lot 0000085233	2000 mL	SMLIST1 SURR_00003	8 mL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
exDIESELspkw_00065	07/21/17	05/23/15	ACETONE, Lot 0000090987	100 mL	EXDIESELSPK_00012	5 mL	Diesel	2500 ug/mL
.EXDIESELSPK_00012	08/31/18		ULTRA, Lot CL-2929		(Purchased Reagent)		Diesel	50000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
exOTPSURRW_00003	06/10/16	06/01/15	MEOH, Lot 0000085233	1000 mL	exOTPstd_00001	20 mL	o-Terphenyl (Surr)	200 ug/mL
.exOTPstd_00001	10/31/18		Restek, Lot A0109488		(Purchased Reagent)		o-Terphenyl (Surr)	10000 ug/mL
Gas Surr Cali_00011	04/01/15	01/02/15	MeOH, Lot 1823933	10 mL	VGGASURROGATE_00028	1 mL	Trifluorotoluene (Surr)	5 ug/mL
.VGGASURROGATE_00028	03/02/15	12/02/14	MEOH, Lot 49909	50 mL	VGSURRSTKGAS_00019	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00019	08/31/16		ULTRA SCIENTIFIC, Lot CE-1903A		(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
SGDROCAL_00018	11/05/15	05/05/15	MECL2, Lot 0000096628	25 mL	SGDROCALSTK_00015	5 mL	Diesel	10002.5 ug/mL
					SGDROSURROTP_00020	1 mL	o-Terphenyl (Surr)	800 ug/mL
					SGDROSURROTP_00021	1 mL	o-Terphenyl (Surr)	800 ug/mL
.SGDROCALSTK_00015	01/20/22		Restek, Lot A0107931		(Purchased Reagent)		Diesel	50012.4 ug/mL
.SGDROSURROTP_00020	09/30/18		Restek, Lot A0108902		(Purchased Reagent)		o-Terphenyl (Surr)	10000 ug/mL
.SGDROSURROTP_00021	09/30/18		Restek, Lot A0108902		(Purchased Reagent)		o-Terphenyl (Surr)	10000 ug/mL
SGDROICV_00013	02/20/16	02/20/15	MECL2, Lot 0000096628	25 mL	SGDROICVSTK_00005	1 mL	Diesel	2004 ug/mL
.SGDROICVSTK_00005	02/28/15		Ultra, Lot CH-0185		(Purchased Reagent)		Diesel	50100 ug/mL
SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS_R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
.SMIS_R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMLIST1_L1_W_00006	04/20/16	04/21/15	MECL2, Lot 0000103549	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1PAH_ST_00004	2 uL	1,1'-Biphenyl	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2-Chloronaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1PAH ST_00004	05/31/16	01/26/15	MECL2, Lot 0000093871	3 mL	SMLIST1 PAH_00004	300 uL	1,1'-Biphenyl	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1 SURR_00003	60 uL	2-Fluorobiphenyl (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 PAH_00004	05/31/16	Restek, Lot A0107399			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		Pyrene	1000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L2 W_00006	04/20/16	04/21/15	MECL2, Lot 0000103549	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00006	10 uL	1,1'-Biphenyl	0.5 ug/mL
							1,2,4,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							1,3-Dinitrobenzene	0.5 ug/mL
							1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2,3,4,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							4-Nitrophenol	1 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Aniline	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Benzyl alcohol	0.5 ug/mL
							bis (2-chloroisopropyl) ether	0.5 ug/mL
							Bis (2-chloroethoxy)methane	0.5 ug/mL
							Bis (2-chloroethyl) ether	0.5 ug/mL
							Bis (2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz (a,h) anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							Dimethyl phthalate	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexadecane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							n-Decane	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							n-Octadecane	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenanthrene	0.5 ug/mL
							Phenol	0.5 ug/mL
							Pyrene	0.5 ug/mL
							Pyridine	0.5 ug/mL
							Benzoic acid	1 ug/mL
							Indene	1 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00006	05/31/16	04/20/15	MECL2, Lot 0000103549	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis (2-chloroethoxy)methane	100 ug/mL
							Bis (2-chloroethyl) ether	100 ug/mL
							Bis (2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz (a,h) anthracene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Indene	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		Caprolactam	2000 ug/mL
							3,3'-Dichlorobenzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		Benzidine	2000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L3 W_00006	04/20/16	04/21/15	MECL2, Lot 0000103549	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00006	20 uL	1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,3-Dinitrobenzene	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							bis (2-chloroisopropyl) ether	1 ug/mL
							Bis (2-chloroethoxy) methane	1 ug/mL
							Bis (2-chloroethyl) ether	1 ug/mL
							Bis (2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz (a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Hexadecane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							n-Decane	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							n-Octadecane	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	1 ug/mL
							Benzoic acid	2 ug/mL
							Indene	2 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Benzidine	2 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00006	05/31/16	04/20/15	MECL2, Lot 0000103549	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzydine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1 00005	05/31/16	Restek, Lot A0107399			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica CantonJob No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 I4 W_00006	04/20/16	04/21/15	MECL2, Lot 0000103549	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 STOCK_00006	40 uL	Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
							1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dinitrobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	2 ug/mL
							bis (2-chloroisopropyl) ether	2 ug/mL
							Bis (2-chloroethoxy) methane	2 ug/mL
							Bis (2-chloroethyl) ether	2 ug/mL
							Bis (2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz (a,h) anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Hexadecane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							n-Decane	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
							n-Octadecane	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Pyridine	2 ug/mL
							Benzoic acid	4 ug/mL
							Indene	4 ug/mL
							Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00006	05/31/16	04/20/15	MECL2, Lot 0000103549	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		Terphenyl-d14 (Surr)	100 ug/mL
							1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 SURR_00003	02/22/18	Restek, Lot A093638			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L5 W_00006	04/20/16	04/21/15	MECL2, Lot 0000103549	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00006	100 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,3-Dinitrobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							bis (2-chloroisopropyl) ether	5 ug/mL
							Bis (2-chloroethoxy)methane	5 ug/mL
							Bis (2-chloroethyl) ether	5 ug/mL
							Bis (2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz (a,h) anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Hexadecane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	5 ug/mL
							Benzoic acid	10 ug/mL
							Indene	10 ug/mL
							Atrazine	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00006	05/31/16	04/20/15	MECL2, Lot 0000103549	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis (2-chloroethoxy)methane	100 ug/mL
							Bis (2-chloroethyl) ether	100 ug/mL
							Bis (2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz (a,h) anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
					SMLIST1 S11_00001	1 mL	Indene	200 ug/mL
							Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
					SMLIST1 S9_00001	1 mL	Caprolactam	200 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							Benzdine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
Nitrobenzene-d5 (Surr)	100 ug/mL							
Phenol-d5 (Surr)	100 ug/mL							
Terphenyl-d14 (Surr)	100 ug/mL							
..SMLIST1 S1_00005	05/31/16	Restek, Lot A0107399	(Purchased Reagent)	1,1'-Biphenyl	1000 ug/mL			
1,2,4,5-Tetrachlorobenzene	1000 ug/mL							
1,2,4-Trichlorobenzene	1000 ug/mL							
1,2-Dichlorobenzene	1000 ug/mL							
1,2-Diphenylhydrazine	1000 ug/mL							
1,3-Dichlorobenzene	1000 ug/mL							
1,3-Dinitrobenzene	1000 ug/mL							
1,4-Dichlorobenzene	1000 ug/mL							
1,4-Dioxane	1000 ug/mL							
1-Methylnaphthalene	1000 ug/mL							
2,3,4,6-Tetrachlorophenol	1000 ug/mL							
2,4,5-Trichlorophenol	1000 ug/mL							
2,4,6-Trichlorophenol	1000 ug/mL							
2,4-Dichlorophenol	1000 ug/mL							
2,4-Dimethylphenol	1000 ug/mL							
2,4-Dinitrophenol	2000 ug/mL							
2,4-Dinitrotoluene	1000 ug/mL							
2,6-Dichlorophenol	1000 ug/mL							
2,6-Dinitrotoluene	1000 ug/mL							
2-Chloronaphthalene	1000 ug/mL							
2-Chlorophenol	1000 ug/mL							
2-Methylnaphthalene	1000 ug/mL							
2-Methylphenol	1000 ug/mL							
2-Nitroaniline	1000 ug/mL							
2-Nitrophenol	1000 ug/mL							
3 & 4 Methylphenol	1000 ug/mL							
3-Nitroaniline	1000 ug/mL							
4,6-Dinitro-2-methylphenol	2000 ug/mL							
4-Bromophenyl phenyl ether	1000 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy) methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L6 W_00006	04/20/16	04/21/15	MECL2, Lot 0000103549	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00006	200 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis (2-chloroethoxy) methane	10 ug/mL
							Bis (2-chloroethyl) ether	10 ug/mL
							Bis (2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz (a,h) anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Hexadecane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							Benzoic acid	20 ug/mL
							Indene	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00006	05/31/16	04/20/15	MECL2, Lot 0000103549	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis (2-chloroethoxy)methane	100 ug/mL
							Bis (2-chloroethyl) ether	100 ug/mL
							Bis (2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz (a,h) anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
					SMLIST1 S11_00001	1 mL	Indene	200 ug/mL
							Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
					SMLIST1 S9_00001	1 mL	Caprolactam	200 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	Benzidine	200 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16	Restek, Lot A0107399			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Pyridine	1000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
							Atrazine	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
							3,3'-Dichlorobenzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		Benzidine	2000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L7 W_00006	04/20/16	04/21/15	MECL2, Lot 0000103549	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00006	300 uL	1,1'-Biphenyl	15 ug/mL
							1,2,4,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							1,3-Dinitrobenzene	15 ug/mL
							1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2,3,4,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	30 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dichlorophenol	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							2-Chlorophenol	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitroaniline	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,6-Dinitro-2-methylphenol	30 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							4-Nitroaniline	15 ug/mL
							4-Nitrophenol	30 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Aniline	15 ug/mL
							Anthracene	15 ug/mL
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL
							Benzo[b]fluoranthene	15 ug/mL
							Benzo[g,h,i]perylene	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL
							Benzyl alcohol	15 ug/mL
							bis (2-chloroisopropyl) ether	15 ug/mL
							Bis (2-chloroethoxy)methane	15 ug/mL
							Bis (2-chloroethyl) ether	15 ug/mL
							Bis (2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz (a,h) anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Hexadecane	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							n-Decane	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							N-Nitrosodimethylamine	15 ug/mL
							N-Nitrosodiphenylamine	30 ug/mL
							n-Octadecane	15 ug/mL
							Naphthalene	15 ug/mL
							Nitrobenzene	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenanthrene	15 ug/mL
							Phenol	15 ug/mL
							Pyrene	15 ug/mL
							Pyridine	15 ug/mL
							Benzoic acid	30 ug/mL
							Indene	30 ug/mL
							Atrazine	30 ug/mL
							Benzaldehyde	30 ug/mL
							Caprolactam	30 ug/mL
							3,3'-Dichlorobenzidine	30 ug/mL
							Benzidine	30 ug/mL
							2,4,6-Tribromophenol (Surr)	15 ug/mL
							2-Fluorobiphenyl (Surr)	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Phenol-d5 (Surr)	15 ug/mL
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00006	05/31/16	04/20/15	MECL2, Lot 0000103549	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis (2-chloroethoxy)methane	100 ug/mL
							Bis (2-chloroethyl) ether	100 ug/mL
							Bis (2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	100 ug/mL
							Dibenz (a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzydine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16	Restek, Lot A0107399			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
					1,2,4,5-Tetrachlorobenzene	1000 ug/mL		
					1,2,4-Trichlorobenzene	1000 ug/mL		
					1,2-Dichlorobenzene	1000 ug/mL		
					1,2-Diphenylhydrazine	1000 ug/mL		
					1,3-Dichlorobenzene	1000 ug/mL		
					1,3-Dinitrobenzene	1000 ug/mL		
					1,4-Dichlorobenzene	1000 ug/mL		
					1,4-Dioxane	1000 ug/mL		

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy) methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L8 W_00006	04/20/16	04/21/15	MECL2, Lot 0000103549	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00006	400 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis (2-chloroethoxy) methane	20 ug/mL
							Bis (2-chloroethyl) ether	20 ug/mL
							Bis (2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							Benzoic acid	40 ug/mL
							Indene	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		Phenanthrene-d10	80 ug/mL
							1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00006	05/31/16	04/20/15	MECL2, Lot 0000103549	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration		
					Reagent ID	Volume Added				
							Benzo[k]fluoranthene	100 ug/mL		
							Benzyl alcohol	100 ug/mL		
							bis (2-chloroisopropyl) ether	100 ug/mL		
							Bis(2-chloroethoxy)methane	100 ug/mL		
							Bis(2-chloroethyl)ether	100 ug/mL		
							Bis(2-ethylhexyl) phthalate	100 ug/mL		
							Butyl benzyl phthalate	100 ug/mL		
							Carbazole	100 ug/mL		
							Chrysene	100 ug/mL		
							Di-n-butyl phthalate	100 ug/mL		
							Di-n-octyl phthalate	100 ug/mL		
							Dibenz (a,h) anthracene	100 ug/mL		
							Dibenzofuran	100 ug/mL		
							Diethyl phthalate	100 ug/mL		
							Dimethyl phthalate	100 ug/mL		
							Fluoranthene	100 ug/mL		
							Fluorene	100 ug/mL		
							Hexachlorobenzene	100 ug/mL		
							Hexachlorobutadiene	100 ug/mL		
							Hexachlorocyclopentadiene	100 ug/mL		
							Hexachloroethane	100 ug/mL		
							Hexadecane	100 ug/mL		
							Indeno[1,2,3-cd]pyrene	100 ug/mL		
							Isophorone	100 ug/mL		
							n-Decane	100 ug/mL		
							N-Nitrosodi-n-propylamine	100 ug/mL		
							N-Nitrosodimethylamine	100 ug/mL		
							N-Nitrosodiphenylamine	200 ug/mL		
							n-Octadecane	100 ug/mL		
							Naphthalene	100 ug/mL		
							Nitrobenzene	100 ug/mL		
							Pentachlorophenol	200 ug/mL		
							Phenanthrene	100 ug/mL		
							Phenol	100 ug/mL		
							Pyrene	100 ug/mL		
							Pyridine	100 ug/mL		
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL		
							Indene	200 ug/mL		
							SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL		
							Caprolactam	200 ug/mL		
							SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL		
							SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL		
							2-Fluorophenol (Surr)	100 ug/mL		
							Nitrobenzene-d5 (Surr)	100 ug/mL		
							Phenol-d5 (Surr)	100 ug/mL		

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		Terphenyl-d14 (Surr)	100 ug/mL
							1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L9 W_00006	04/20/16	04/21/15	MECL2, Lot 0000103549	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 STOCK_00006	500 uL	Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
							1,1'-Biphenyl	25 ug/mL
							1,2,4,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dinitrobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2,3,4,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dichlorophenol	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL
							2-Chloronaphthalene	25 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							2-Methylphenol	25 ug/mL
							2-Nitroaniline	25 ug/mL
							2-Nitrophenol	25 ug/mL
							3 & 4 Methylphenol	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,6-Dinitro-2-methylphenol	50 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							4-Nitroaniline	25 ug/mL
							4-Nitrophenol	50 ug/mL
							Acenaphthene	25 ug/mL
							Acenaphthylene	25 ug/mL
							Acetophenone	25 ug/mL
							Aniline	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Benzyl alcohol	25 ug/mL
							bis (2-chloroisopropyl) ether	25 ug/mL
							Bis (2-chloroethoxy)methane	25 ug/mL
							Bis (2-chloroethyl) ether	25 ug/mL
							Bis (2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz (a,h) anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL
							Hexadecane	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							n-Decane	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							n-Octadecane	25 ug/mL
							Naphthalene	25 ug/mL
							Nitrobenzene	25 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenanthrene	25 ug/mL
							Phenol	25 ug/mL
							Pyrene	25 ug/mL
							Pyridine	25 ug/mL
							Benzoic acid	50 ug/mL
							Indene	50 ug/mL
							Atrazine	50 ug/mL
							Benzaldehyde	50 ug/mL
							Caprolactam	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00006	05/31/16	04/20/15	MECL2, Lot 0000103549	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
				Phenol-d5 (Surr)	100 ug/mL			
						Terphenyl-d14 (Surr)	100 ug/mL	
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Indene	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 SS W_00005	04/20/16	04/21/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00012	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SMIS80PPMW_00012	04/20/16	04/20/15	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMLIST1 SS W_00005	04/20/16	04/21/15	MECL2, Lot 0000093871	2 mL	SMLIST1 SS ST_00005	200 uL	1,1'-Biphenyl	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis (2-chloroethoxy)methane	10 ug/mL
							Bis (2-chloroethyl) ether	10 ug/mL
							Bis (2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz (a,h) anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMLIST1 SS ST_00005	06/30/16	04/21/15	MECL2, Lot 0000103549	10 mL	SMLIST1 SS S1_00004	1 mL	1,1'-Biphenyl	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis (2-chloroethoxy)methane	100 ug/mL
							Bis (2-chloroethyl) ether	100 ug/mL
							Bis (2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz (a,h) anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
							Fluorene	100 ug/mL					
							Hexachlorobenzene	100 ug/mL					
							Hexachlorobutadiene	100 ug/mL					
							Hexachlorocyclopentadiene	100 ug/mL					
							Hexachloroethane	100 ug/mL					
							Indeno[1,2,3-cd]pyrene	100 ug/mL					
							Isophorone	100 ug/mL					
							N-Nitrosodi-n-propylamine	100 ug/mL					
							N-Nitrosodiphenylamine	200 ug/mL					
							Naphthalene	100 ug/mL					
							Nitrobenzene	100 ug/mL					
							Pentachlorophenol	200 ug/mL					
							Phenanthrene	100 ug/mL					
							Phenol	100 ug/mL					
							Pyrene	100 ug/mL					
					SMLIST1 SS S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL					
					SMLIST1SS S11_00001	1 mL	Atrazine	200 ug/mL					
					SMLIST1SS SUR_00002	200 uL	Benzaldehyde	200 ug/mL					
							Caprolactam	200 ug/mL					
							2,4,6-Tribromophenol (Surr)	100 ug/mL					
							2-Fluorobiphenyl (Surr)	100 ug/mL					
							2-Fluorophenol (Surr)	100 ug/mL					
					..SMLIST1 SS S1_00004	06/30/16	Restek, Lot A0107697			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
												2,4,5-Trichlorophenol	1000 ug/mL
												2,4,6-Trichlorophenol	1000 ug/mL
2,4-Dichlorophenol	1000 ug/mL												
2,4-Dimethylphenol	1000 ug/mL												
2,4-Dinitrophenol	2000 ug/mL												
2,4-Dinitrotoluene	1000 ug/mL												
2,6-Dinitrotoluene	1000 ug/mL												
2-Chloronaphthalene	1000 ug/mL												
2-Chlorophenol	1000 ug/mL												
2-Methylnaphthalene	1000 ug/mL												
2-Methylphenol	1000 ug/mL												
2-Nitroaniline	1000 ug/mL												
2-Nitrophenol	1000 ug/mL												
3 & 4 Methylphenol	1000 ug/mL												
3-Nitroaniline	1000 ug/mL												
4,6-Dinitro-2-methylphenol	2000 ug/mL												
4-Bromophenyl phenyl ether	1000 ug/mL												
4-Chloro-3-methylphenol	1000 ug/mL												
4-Chloroaniline	1000 ug/mL												
4-Chlorophenyl phenyl ether	1000 ug/mL												
4-Nitroaniline	1000 ug/mL												
4-Nitrophenol	2000 ug/mL												

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Bis (2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1 SS S9_00001	07/31/16		Restek, Lot A0108170		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SMLIST1SS S11_00001	06/30/16		Restek, Lot A0108042		(Purchased Reagent)		Atrazine	2000 ug/mL
..SMLIST1SS SUR_00002	09/30/18		Restek, Lot A092712		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VGGASCALNEW_00012	03/22/15	12/22/14	MEOH, Lot 62345	25 mL	VGGASSTOCKNEW_00003	1 mL	C6-C12	100 ug/mL
							Gasoline Range Organics [C6 - C10]	100 ug/mL
.VGGASSTOCKNEW_00003	01/31/20	RESTEK, Lot A092645			(Purchased Reagent)		C6-C12	2500 ug/mL
							Gasoline Range Organics [C6 - C10]	2500 ug/mL
VGGASCALNEW_00014	09/22/15	06/23/15	MEOH, Lot 62345	25 mL	VGGASSTOCKNEW_00003	1 mL	Gasoline Range Organics [C6 - C10]	100 ug/mL
.VGGASSTOCKNEW_00003	01/31/20	RESTEK, Lot A092645			(Purchased Reagent)		Gasoline Range Organics [C6 - C10]	2500 ug/mL
VGGASCHK_00059	05/06/15	03/09/15	MEOH, Lot 49909	50 mL	VGGASCHKSTK_00030	1 mL	Gasoline Range Organics [C6 - C10]	100 ug/mL
.VGGASCHKSTK_00030	05/06/15	ACCU STANDARD, Lot B5040009			(Purchased Reagent)		Gasoline Range Organics [C6 - C10]	5 mg/mL
VGGASCHK_00067	08/22/15	05/22/15	MEOH, Lot 49909	50 mL	VGGASCHK_00002	1 mL	Gasoline Range Organics [C6 - C10]	100 ug/mL
.VGGASCHK_00002	10/30/19	AccuStandard, Lot B5040009-01			(Purchased Reagent)		Gasoline Range Organics [C6 - C10]	5 mg/mL
VGGASURROGATE_00031	08/22/15	05/22/15	MEOH, Lot 49909	50 mL	VGSURRSTKGAS_00019	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00019	08/31/16	ULTRA SCIENTIFIC, Lot CE-1903A			(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
VM250-IS_00028	09/13/15	03/13/15	MEOH, Lot 0000085233	100 mL	vmcus8126_00008	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
.vmcus8126_00008	09/30/16	Ultra Scientific, Lot CL-3192			(Purchased Reagent)		1,4-Dichlorobenzene-d4	25000 ug/mL
							Chlorobenzene-d5	25000 ug/mL
							Fluorobenzene	25000 ug/mL
vm50ss_00204	06/12/15	06/05/15	MEOH, Lot na	2 mL	vm50ss_stk_00065	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00065	09/08/15	03/08/15	MEOH, Lot 0000085233	200 mL	VM567650_00021	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VM567650_00021	04/30/19	Restek, Lot A0102817			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMAROLISTDW_00103	06/12/15	06/05/15	MEOH, Lot na	3 mL	VMACROLSTD_00026	3 mL	Acrolein	250 ug/mL
.VMACROLSTD_00026	07/29/15	05/29/15	MEOH, Lot +161620000085233JB	20 mL	VM568720_00007	0.25 mL	Acrolein	250 ug/mL
..VM568720_00007	07/31/15	restek, Lot A0109948			(Purchased Reagent)		Acrolein	20000 ug/mL
VMENCORESS_00302	06/26/15	06/19/15	MEOH, Lot na	3 mL	VM567650_00021	3 mL	1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VM567650_00021	04/30/19	Restek, Lot A0102817			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMENFASA_00141	06/30/15	06/23/15	MEOH, Lot NA	3 mL	VMFASA_00018	3 mL	Acrolein	250 ug/mL
.VMFASA_00018	07/31/15	05/29/15	MEOH, Lot +161620000085233JB	100 mL	VM568720S_00007	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00007	07/31/15	restek, Lot A0109953			(Purchased Reagent)		Acrolein	20000 ug/mL
VMENFASG_00149	06/30/15	06/23/15	MEOH, Lot NA	3 mL	VMFASG_00030	3 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00030	07/06/15	06/06/15	MEOH, Lot 0000085233	50 mL	VM567645S_00015	1.25 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..VM567645S_00015	08/31/15	Restek, Lot A097497			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMENFASP_00145	06/30/15	06/23/15	MEOH, Lot NA	3 mL	VMRFASP_00021	3 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	50 ug/mL
							Vinyl acetate	50 ug/mL
.VMRFASP_00021	07/31/15	05/29/15	MEOH, Lot 0000085233	100 mL	VM567641S_00007	2.5 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
					VM567642S_00005	1 mL	2-Butanone (MEK)	100 ug/mL
					VM567642S_00005	1 mL	2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM569723S_00002	2 mL	2-Chloroethyl vinyl ether	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..VM567641S_00007	02/29/16		Restek, Lot A093733		VM569724S_00001	1 mL	Vinyl acetate	50 ug/mL
					(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butyl alcohol (TBA)	20000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Trihalomethanes, Total	8000 ug/mL
							Xylenes, Total	4000 ug/mL
..VM567642S_00005	02/29/16		Restek, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
..VM569723S_00002	03/31/18		Restek, Lot A0110013		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724S_00001	07/31/15		Restek, Lot A0108224		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
VMFASGW_00098	06/13/15	06/06/15	MEOH, Lot NA	2 mL	VMFASG_00030	2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00030	07/06/15	06/06/15	MEOH, Lot 0000085233	50 mL	VM567645S_00015	1.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..VM567645S_00015	08/31/15		Restek, Lot A097497		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASPW_00102	06/13/15	06/06/15	MEOH, Lot n/a	2 mL	VMRFASP_00021	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	50 ug/mL
							Vinyl acetate	50 ug/mL
.VMRFASP_00021	07/31/15	05/29/15	MEOH, Lot 0000085233	100 mL	VM567641S_00007	2.5 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VM567642S_00005	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM569723S_00002	2 mL	2-Chloroethyl vinyl ether	50 ug/mL
					VM569724S_00001	1 mL	Vinyl acetate	50 ug/mL
..VM567641S_00007	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butyl alcohol (TBA)	20000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
..VM567642S_00005	02/29/16	Restek, Lot A093472			(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
..VM569723S_00002	03/31/18	Restek, Lot A0110013			(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..VM569724S_00001	07/31/15		Restek, Lot A0108224		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
VMRA9W_00108	06/11/15	06/04/15	MEOH, Lot NA	1 mL	VMRA9_00012	1 mL	Cyclohexanone	500 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
							n-Butyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
Ethyl-t-butyl ether (ETBE)	50 ug/mL							
Propionitrile	500 ug/mL							
Tert-amyl methyl ether	50 ug/mL							
.VMRA9_00012	06/30/15	02/28/15	MEOH, Lot 0000085233	50 mL	VM567648_00014	1.25 mL	Cyclohexanone	500 ug/mL
					vm567719_00021	2.5 mL	2-Methylnaphthalene	100 ug/mL
					vm568722_00002	1.25 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
							n-Butyl acetate	50 ug/mL
					VM568723_00001	1.25 mL	Acetonitrile	500 ug/mL
					Diisopropyl ether	50 ug/mL		
					Ethyl-t-butyl ether (ETBE)	50 ug/mL		
					Propionitrile	500 ug/mL		
					Tert-amyl methyl ether	50 ug/mL		
..VM567648_00014	02/29/16		Restek, Lot A093361		(Purchased Reagent)	Cyclohexanone	20000 ug/mL	
..vm567719_00021	01/31/16		Restek, Lot A0100744		(Purchased Reagent)	2-Methylnaphthalene	2000 ug/mL	
..vm568722_00002	06/30/15		restek, Lot A0100262		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							1-Chlorohexane	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Benzyl chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butanol	50000 ug/mL
							n-Butyl acetate	2000 ug/mL
..VM568723_00001	12/31/15		restek, Lot A099930		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Diisopropyl ether	2000 ug/mL
							Ethyl-t-butyl ether (ETBE)	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
VMRA9W_00110	06/25/15	06/18/15	MEOH, Lot NA	1 mL	VMRA9_00012	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Tert-amyl methyl ether	50 ug/mL
.VMRA9_00012	06/30/15	02/28/15	MEOH, Lot 0000085233	50 mL	vm568722_00002	1.25 mL	1,2,3-Trimethylbenzene	50 ug/mL
					VM568723_00001	1.25 mL	Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Tert-amyl methyl ether	50 ug/mL
..vm568722_00002	06/30/15		restek, Lot A0100262		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
..VM568723_00001	12/31/15		restek, Lot A099930		(Purchased Reagent)		Diisopropyl ether	2000 ug/mL
							Ethyl-t-butyl ether (ETBE)	2000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
VMRGAS_00104	06/10/15	06/03/15	MEOH, Lot 0000085233	10 mL	vm569722_00001	0.2 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00001	01/31/18		Restek, Lot A0108198		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMRGAS_00107	06/26/15	06/19/15	MEOH, Lot 0000085233	10 mL	vm569722_00001	0.2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00001	01/31/18		Restek, Lot A0108198		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMRPRIMW_00132	06/12/15	06/05/15	MEOH, Lot NA	1 mL	VMRPRIM_00012	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
.VMRPRIM_00012	08/31/15	05/27/15	MEOH, Lot +161620000085233JB	50 mL	VM567641_00013	1.25 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					VM567642_00015	0.5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
..VM567641_00013	02/29/16		restek, Lot A093581		VM567643_00020	2.5 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00001	0.5 mL	Vinyl acetate	50 ug/mL
					(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	5000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butyl alcohol (TBA)	20000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
..VM567642_00015	02/29/16	Restek, Lot A093365			(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
..VM567643_00020	02/29/16	restek, Lot A093368			(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
..VM569724_00001	08/31/15	Restek, Lot A0109190			(Purchased Reagent)		Vinyl acetate	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VMRPRIMW_00135	06/24/15	06/17/15	MEOH, Lot NA	1 mL	VMRPRIM_00012	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
.VMRPRIM_00012	08/31/15	05/27/15	MEOH, Lot +161620000085233JB	50 mL	VM567641_00013	1.25 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VM567642_00015	0.5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM567643_00020	2.5 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00001	0.5 mL	Vinyl acetate	50 ug/mL
..VM567641_00013	02/29/16		restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butyl alcohol (TBA)	20000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
..VM567642_00015	02/29/16		Restek, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
..VM567643_00020	02/29/16		restek, Lot A093368		(Purchased Reagent)		Acetone	10000 ug/mL
..VM569724_00001	08/31/15		Restek, Lot A0109190		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
							Vinyl acetate	5000 ug/mL
VMUX8SS_00019	07/30/15	04/30/15	MEOH, Lot 0000085233	100 mL	VMCUS8125_00009	866 uL	1,2-Dichloroethane-d4 (Surr)	216.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromofluorobenzene (Surr)	216.5 ug/mL
							Dibromofluoromethane (Surr)	216.5 ug/mL
							Toluene-d8 (Surr)	216.5 ug/mL
.VMCUS8125_00009	09/30/16	Ultra Scientific, Lot CJ-3208			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	25000 ug/mL
							4-Bromofluorobenzene (Surr)	25000 ug/mL
							Dibromofluoromethane (Surr)	25000 ug/mL
							Toluene-d8 (Surr)	25000 ug/mL

Certification Summary

Client: Tetra Tech, Inc.

TestAmerica Job ID: 240-52297-1

Project/Site: LM MRC Excavation Waste-Blocks

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	State Program	9	2927
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky (UST)	State Program	4	58
TestAmerica Canton	Kentucky (WW)	State Program	4	98016
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Oregon	NELAP	10	4062
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-13-00319
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B

Volatile Organic Compounds (GC/MS)
by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Matrix: Solid Level: Medium
GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MRC-DPAN-062215	240-52297-1	76	92	87	87
	MB 240-186440/1-A	92	106	96	99
	LCS 240-186440/2-A	101	109	101	104
MRC-DPAN-062215 MS	240-52297-1 MS	83	94	86	87
MRC-DPAN-062215 MSD	240-52297-1 MSD	82	92	85	86

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane (Surr)	30-122
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128
TOL = Toluene-d8 (Surr)	33-134
BFB = 4-Bromofluorobenzene (Surr)	26-141

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Medium Lab File ID: UX88126.D
 Lab ID: LCS 240-186440/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	1000	604	60	27-121	
1,1,1-Trichloroethane	1000	794	79	38-122	
1,1,2,2-Tetrachloroethane	1000	918	92	54-121	
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	922	92	48-151	
1,1-Dichloroethane	1000	1010	101	63-120	
1,1-Dichloroethene	1000	861	86	44-143	
1,1-Dichloropropene	1000	1060	106	60-123	
1,2,3-Trichlorobenzene	1000	858	86	43-129	
1,2,3-Trichloropropane	1000	943	94	74-124	
1,2,4-Trichlorobenzene	1000	868	87	41-135	
1,2,4-Trimethylbenzene	1000	961	96	62-133	
1,2-Dibromo-3-Chloropropane	1000	531	53	10-129	
1,2-Dichlorobenzene	1000	982	98	68-120	
1,2-Dichloroethane	1000	1030	103	68-120	
1,2-Dichloropropane	1000	1030	103	73-120	
1,3-Dichlorobenzene	1000	943	94	66-121	
1,3-Dichloropropane	1000	974	97	74-120	
1,4-Dichlorobenzene	1000	913	91	65-120	
2,2-Dichloropropane	1000	590	59	25-123	
2-Chloroethyl vinyl ether	1000	966 J	97	25-140	
2-Chlorotoluene	1000	968	97	68-122	
2-Hexanone	2000	1810	91	43-130	
Bromobenzene	1000	926	93	72-120	
Bromochloromethane	1000	1010	101	56-128	
4-Chlorotoluene	1000	951	95	68-122	
p-Isopropyltoluene	1000	986	99	56-136	
Acetone	2000	2000	100	16-156	
Benzene	1000	1010	101	70-120	
Bromoform	1000	628	63	10-120	
Bromomethane	1000	861	86	10-120	
Carbon disulfide	1000	793	79	10-132	
Carbon tetrachloride	1000	621	62	29-120	
Chlorobenzene	1000	968	97	71-120	
Chloroethane	1000	841	84	10-120	
Chloroform	1000	985	99	63-120	
Chloromethane	1000	938	94	25-120	
cis-1,2-Dichloroethene	1000	984	98	60-125	
cis-1,3-Dichloropropene	1000	777	78	25-120	
Hexachlorobutadiene	1000	938	94	34-135	
Dibromomethane	1000	986	99	68-120	
Bromodichloromethane	1000	785	79	28-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Medium Lab File ID: UX88126.D
 Lab ID: LCS 240-186440/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1000	689	69	10-120	
Ethylbenzene	1000	977	98	66-120	
1,2-Dibromoethane	1000	868	87	47-123	
Naphthalene	1000	797	80	37-126	
m-Xylene & p-Xylene	1000	972	97	67-120	
n-Butylbenzene	1000	977	98	51-137	
Isopropylbenzene	1000	972	97	61-123	
N-Propylbenzene	1000	975	98	64-130	
2-Butanone (MEK)	2000	1860	93	10-199	
4-Methyl-2-pentanone (MIBK)	2000	1950	98	49-121	
sec-Butylbenzene	1000	995	100	58-131	
Methyl tert-butyl ether	1000	1020	102	34-157	
Methylene Chloride	1000	1140	114	27-172	
o-Xylene	1000	1020	102	68-120	
Styrene	1000	943	94	60-120	
tert-Butylbenzene	1000	975	97	58-128	
Tetrachloroethene	1000	923	92	58-131	
Toluene	1000	984	98	66-123	
trans-1,2-Dichloroethene	1000	991	99	58-121	
trans-1,3-Dichloropropene	1000	661	66	22-122	
Trichloroethene	1000	949	95	59-124	
Trichlorofluoromethane	1000	868	87	17-145	
Vinyl acetate	1000	868	87	70-130	
Vinyl chloride	1000	932	93	33-120	
tert-Butyl alcohol (TBA)	10000	7410 J	74	70-130	
Xylenes, Total	2000	1990	100	68-120	
Dibromochloromethane	1000	710	71	22-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Medium Lab File ID: UX88134.D
 Lab ID: 240-52297-1 MS Client ID: MRC-DPAN-062215 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	1060	58 U	381	36	19-124	
1,1,1-Trichloroethane	1060	50 U	587	55	10-159	
1,1,2,2-Tetrachloroethane	1060	51 U	780	74	16-158	
1,1,2-Trichloro-1,2,2-trifluoroethane	1060	50 U	758	71	23-168	
1,1-Dichloroethane	1060	41 U	918	87	18-160	
1,1-Dichloroethene	1060	35 U	790	74	10-179	
1,1-Dichloropropene	1060	45 U	926	87	42-126	
1,2,3-Trichlorobenzene	1060	46 U	766	72	10-123	
1,2,3-Trichloropropane	1060	120 U	914	86	54-142	
1,2,4-Trichlorobenzene	1060	35 U	792	75	10-136	
1,2,4-Trimethylbenzene	1060	17 J	933	86	10-199	
1,2-Dibromo-3-Chloropropane	1060	84 U	416 J	39	10-153	
1,2-Dichlorobenzene	1060	22 U	896	84	27-126	
1,2-Dichloroethane	1060	63 U	941	89	25-150	
1,2-Dichloropropane	1060	38 U	969	91	58-120	
1,3-Dichlorobenzene	1060	35 U	843	79	29-124	
1,3-Dichloropropane	1060	27 U	934	88	58-120	
1,4-Dichlorobenzene	1060	48 U	842	79	30-123	
2,2-Dichloropropane	1060	61 U	478	45	26-127	
2-Chloroethyl vinyl ether	1060	92 U	921 J	87	10-137	
2-Chlorotoluene	1060	48 U	874	82	51-120	
2-Hexanone	2120	99 U	1710	81	21-141	
Bromobenzene	1060	15 U	885	83	49-120	
Bromochloromethane	1060	83 U	919	87	42-123	
4-Chlorotoluene	1060	31 U	863	81	43-120	
p-Isopropyltoluene	1060	30 U	896	85	33-139	
Acetone	2120	270 U	1630	77	10-142	
Benzene	1060	11 U	932	88	10-199	
Bromoform	1060	72 U	455	43	10-147	
Bromomethane	1060	60 U	659	62	10-151	
Carbon disulfide	1060	66 U	621	59	10-155	
Carbon tetrachloride	1060	57 U	383	36	12-135	
Chlorobenzene	1060	48 U	893	84	47-120	
Chloroethane	1060	60 U	748	71	10-168	
Chloroform	1060	42 U	896	85	51-120	
Chloromethane	1060	57 U	745	70	16-120	
cis-1,2-Dichloroethene	1060	45 U	900	85	34-137	
cis-1,3-Dichloropropene	1060	26 U	597	56	19-121	
Hexachlorobutadiene	1060	52 U	855	81	10-134	
Dibromomethane	1060	59 U	923	87	45-121	
Bromodichloromethane	1060	45 U	526	50	18-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Medium Lab File ID: UX88134.D
 Lab ID: 240-52297-1 MS Client ID: MRC-DPAN-062215 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	1060	72 U	393	37	10-120	
Ethylbenzene	1060	41 U	908	86	27-143	
1,2-Dibromoethane	1060	38 U	700	66	32-127	
Naphthalene	1060	1300	2390	106	10-199	
m-Xylene & p-Xylene	1060	24 U	917	86	14-151	
n-Butylbenzene	1060	25 U	884	83	13-154	
Isopropylbenzene	1060	15 U	928	88	39-126	
N-Propylbenzene	1060	72 U	888	84	41-135	
2-Butanone (MEK)	2120	86 U	1760	83	10-172	
4-Methyl-2-pentanone (MIBK)	2120	66 U	1850	87	19-151	
sec-Butylbenzene	1060	19 U	939	89	41-133	
Methyl tert-butyl ether	1060	35 U	960	91	26-159	
Methylene Chloride	1060	100 U	1040	98	10-148	
o-Xylene	1060	20 U	948	89	18-151	
Styrene	1060	32 U	862	81	31-137	
tert-Butylbenzene	1060	40 U	899	85	45-132	
Tetrachloroethene	1060	32 U	834	79	19-153	
Toluene	1060	12 U	915	86	10-168	
trans-1,2-Dichloroethene	1060	31 U	866	82	40-126	
trans-1,3-Dichloropropene	1060	31 U	480	45	10-136	
Trichloroethene	1060	46 U	895	84	10-193	
Trichlorofluoromethane	1060	41 U	675	64	10-157	
Vinyl acetate	1060	120 U	680	64	70-130	F1
Vinyl chloride	1060	66 U	712	67	15-123	
tert-Butyl alcohol (TBA)	10600	990 U	6780 J	64	70-130	F1
Xylenes, Total	2120	38 U	1870	88	16-150	
Dibromochloromethane	1060	54 U	466	44	10-128	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Matrix: Solid Level: Medium Lab File ID: UX88135.D
Lab ID: 240-52297-1 MSD Client ID: MRC-DPAN-062215 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1,2-Tetrachloroethane	1190	465	39	20	30	19-124	
1,1,1-Trichloroethane	1190	656	55	11	30	10-159	
1,1,2,2-Tetrachloroethane	1190	839	71	7	30	16-158	
1,1,2-Trichloro-1,2,2-trifluoroethane	1190	791	67	4	30	23-168	
1,1-Dichloroethane	1190	964	81	5	30	18-160	
1,1-Dichloroethene	1190	836	71	6	30	10-179	
1,1-Dichloropropene	1190	1020	86	10	30	42-126	
1,2,3-Trichlorobenzene	1190	830	70	8	30	10-123	
1,2,3-Trichloropropane	1190	906	76	1	30	54-142	
1,2,4-Trichlorobenzene	1190	820	69	4	30	10-136	
1,2,4-Trimethylbenzene	1190	971	81	4	30	10-199	
1,2-Dibromo-3-Chloropropane	1190	469 J	40	12	30	10-153	
1,2-Dichlorobenzene	1190	960	81	7	30	27-126	
1,2-Dichloroethane	1190	1030	87	9	30	25-150	
1,2-Dichloropropane	1190	1020	86	5	30	58-120	
1,3-Dichlorobenzene	1190	915	77	8	30	29-124	
1,3-Dichloropropane	1190	969	82	4	30	58-120	
1,4-Dichlorobenzene	1190	918	77	9	30	30-123	
2,2-Dichloropropane	1190	602	51	23	30	26-127	
2-Chloroethyl vinyl ether	1190	914 J	77	1	30	10-137	
2-Chlorotoluene	1190	955	81	9	30	51-120	
2-Hexanone	2370	1820	77	6	30	21-141	
Bromobenzene	1190	941	79	6	30	49-120	
Bromochloromethane	1190	995	84	8	30	42-123	
4-Chlorotoluene	1190	935	79	8	30	43-120	
p-Isopropyltoluene	1190	945	80	5	30	33-139	
Acetone	2370	1700	72	4	30	10-142	
Benzene	1190	992	84	6	30	10-199	
Bromoform	1190	517	44	13	30	10-147	
Bromomethane	1190	734	62	11	30	10-151	
Carbon disulfide	1190	680	57	9	30	10-155	
Carbon tetrachloride	1190	451	38	16	30	12-135	
Chlorobenzene	1190	945	80	6	30	47-120	
Chloroethane	1190	816	69	9	30	10-168	
Chloroform	1190	956	81	6	30	51-120	
Chloromethane	1190	818	69	9	30	16-120	
cis-1,2-Dichloroethene	1190	1000	84	11	30	34-137	
cis-1,3-Dichloropropene	1190	688	58	14	30	19-121	
Hexachlorobutadiene	1190	880	74	3	30	10-134	
Dibromomethane	1190	934	79	1	30	45-121	
Bromodichloromethane	1190	629	53	18	30	18-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Medium Lab File ID: UX88135.D
 Lab ID: 240-52297-1 MSD Client ID: MRC-DPAN-062215 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Dichlorodifluoromethane	1190	453	38	14	30	10-120	
Ethylbenzene	1190	967	82	6	30	27-143	
1,2-Dibromoethane	1190	802	68	14	30	32-127	
Naphthalene	1190	2170	76	10	30	10-199	
m-Xylene & p-Xylene	1190	955	81	4	30	14-151	
n-Butylbenzene	1190	925	78	5	30	13-154	
Isopropylbenzene	1190	946	80	2	30	39-126	
N-Propylbenzene	1190	924	78	4	30	41-135	
2-Butanone (MEK)	2370	1890	80	7	30	10-172	
4-Methyl-2-pentanone (MIBK)	2370	1910	81	3	30	19-151	
sec-Butylbenzene	1190	984	83	5	30	41-133	
Methyl tert-butyl ether	1190	1010	86	5	30	26-159	
Methylene Chloride	1190	1120	95	8	30	10-148	
o-Xylene	1190	1040	87	9	30	18-151	
Styrene	1190	917	77	6	30	31-137	
tert-Butylbenzene	1190	976	82	8	30	45-132	
Tetrachloroethene	1190	889	75	6	30	19-153	
Toluene	1190	981	83	7	30	10-168	
trans-1,2-Dichloroethene	1190	925	78	7	30	40-126	
trans-1,3-Dichloropropene	1190	571	48	17	30	10-136	
Trichloroethene	1190	938	79	5	30	10-193	
Trichlorofluoromethane	1190	714	60	6	30	10-157	
Vinyl acetate	1190	799	67	16	30	70-130	F1
Vinyl chloride	1190	818	69	14	30	15-123	
tert-Butyl alcohol (TBA)	11900	7240 J	61	6	30	70-130	F1
Xylenes, Total	2370	2000	84	7	30	16-150	
Dibromochloromethane	1190	569	48	20	30	10-128	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab File ID: UX88125.D Lab Sample ID: MB 240-186440/1-A
Matrix: Solid Heated Purge: (Y/N) Y
Instrument ID: A3UX8 Date Analyzed: 06/24/2015 05:47
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-186440/2-A	UX88126.D	06/24/2015 06:08
MRC-DPAN-062215	240-52297-1	UX88133.D	06/24/2015 08:37
MRC-DPAN-062215 MS	240-52297-1 MS	UX88134.D	06/24/2015 08:58
MRC-DPAN-062215 MSD	240-52297-1 MSD	UX88135.D	06/24/2015 09:19

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab File ID: BFB8824.D BFB Injection Date: 06/06/2015
 Instrument ID: A3UX8 BFB Injection Time: 02:22
 Analysis Batch No.: 184004

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	37.2
75	30.0 - 60.0 % of mass 95	54.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.3 (0.3)1
174	50.0 - 120.00 % of mass 95	81.2
175	5.0 - 9.0 % of mass 174	5.7 (7.0)1
176	95.0 - 101.0 % of mass 174	78.4 (96.6)1
177	5.0 - 9.0 % of mass 176	5.0 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STDA9 240-184004/4	UX87966.D	06/06/2015	03:26
	STDA9 240-184004/5	UX87967.D	06/06/2015	03:47
	STDA9 240-184004/6	UX87968.D	06/06/2015	04:08
	STDA9 240-184004/7	UX87969.D	06/06/2015	04:30
	STDA9 240-184004/8	UX87970.D	06/06/2015	04:51
	STDA9 240-184004/9	UX87971.D	06/06/2015	05:12

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab File ID: BFB8825.D BFB Injection Date: 06/09/2015
 Instrument ID: A3UX8 BFB Injection Time: 01:06
 Analysis Batch No.: 184260

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	37.8
75	30.0 - 60.0 % of mass 95	53.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	81.4
175	5.0 - 9.0 % of mass 174	5.9 (7.3)1
176	95.0 - 101.0 % of mass 174	78.0 (95.8)1
177	5.0 - 9.0 % of mass 176	5.3 (6.8)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-184260/3	UX87979.D	06/09/2015	01:53
	STD8260 240-184260/4	UX87980.D	06/09/2015	02:14
	STD8260 240-184260/5	UX87981.D	06/09/2015	02:36
	ICIS 240-184260/6	UX87982.D	06/09/2015	02:58
	STD8260 240-184260/7	UX87983.D	06/09/2015	03:19
	STD8260 240-184260/8	UX87984.D	06/09/2015	03:40
	STD8260 240-184260/9	UX87985.D	06/09/2015	04:02
	STD8260 240-184260/10	UX87986.D	06/09/2015	04:23
	ICV 240-184260/11	UX87987.D	06/09/2015	04:45

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab File ID: BFB8832.D BFB Injection Date: 06/24/2015
 Instrument ID: A3UX8 BFB Injection Time: 02:03
 Analysis Batch No.: 186444

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	39.8
75	30.0 - 60.0 % of mass 95	53.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.0
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	78.6
175	5.0 - 9.0 % of mass 174	5.8 (7.4)1
176	95.0 - 101.0 % of mass 174	78.3 (99.6)1
177	5.0 - 9.0 % of mass 176	4.7 (6.0)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-186444/4	UX88116.D	06/24/2015	02:35
	CCV 240-186444/5	UX88117.D	06/24/2015	02:57
	MB 240-186440/1-A	UX88125.D	06/24/2015	05:47
	LCS 240-186440/2-A	UX88126.D	06/24/2015	06:08
MRC-DPAN-062215	240-52297-1	UX88133.D	06/24/2015	08:37
MRC-DPAN-062215 MS	240-52297-1 MS	UX88134.D	06/24/2015	08:58
MRC-DPAN-062215 MSD	240-52297-1 MSD	UX88135.D	06/24/2015	09:19

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: ICIS 240-184260/6 Date Analyzed: 06/09/2015 02:58
 Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UX87982.D Heated Purge: (Y/N) Y
 Calibration ID: 28897

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	949301	5.16	703394	7.69	386876	9.88	
UPPER LIMIT	1898602	5.66	1406788	8.19	773752	10.38	
LOWER LIMIT	474651	4.66	351697	7.19	193438	9.38	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-184260/11		980371	5.16	729808	7.69	383396	9.88
CCVIS 240-186444/4		1058822	5.16	810757	7.69	431755	9.88

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: CCVIS 240-186444/4 Date Analyzed: 06/24/2015 02:35
 Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UX88116.D Heated Purge: (Y/N) Y
 Calibration ID: 28897

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1058822	5.16	810757	7.69	431755	9.88
UPPER LIMIT	2117644	5.66	1621514	8.19	863510	10.38
LOWER LIMIT	529411	4.66	405379	7.19	215878	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCV 240-186444/5		1024039	5.16	817211	7.69	414634 9.88
MB 240-186440/1-A		1022526	5.15	797865	7.68	406084 9.88
LCS 240-186440/2-A		969844	5.16	757941	7.69	397131 9.88
240-52297-1	MRC-DPAN-062215	1041033	5.16	798126	7.69	424341 9.88
240-52297-1 MS	MRC-DPAN-062215 MS	1045767	5.16	813187	7.69	421331 9.88
240-52297-1 MSD	MRC-DPAN-062215 MSD	1078095	5.16	838628	7.68	432334 9.88

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215</u>	Lab Sample ID: <u>240-52297-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX88133.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>06/22/2015 11:00</u>
Sample wt/vol: <u>5.31(g)</u>	Date Analyzed: <u>06/24/2015 08:37</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: <u>20.2</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>186444</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	58	U	300	58
71-55-6	1,1,1-Trichloroethane	50	U	300	50
79-34-5	1,1,2,2-Tetrachloroethane	51	U	300	51
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	300	50
75-34-3	1,1-Dichloroethane	41	U	300	41
75-35-4	1,1-Dichloroethene	35	U	300	35
563-58-6	1,1-Dichloropropene	45	U	300	45
87-61-6	1,2,3-Trichlorobenzene	46	U	300	46
96-18-4	1,2,3-Trichloropropane	120	U	300	120
526-73-8	1,2,3-Trimethylbenzene	15	U	300	15
120-82-1	1,2,4-Trichlorobenzene	35	U	300	35
95-63-6	1,2,4-Trimethylbenzene	17	J	300	15
96-12-8	1,2-Dibromo-3-Chloropropane	84	U	590	84
95-50-1	1,2-Dichlorobenzene	22	U	300	22
107-06-2	1,2-Dichloroethane	63	U	300	63
78-87-5	1,2-Dichloropropane	38	U	300	38
541-73-1	1,3-Dichlorobenzene	35	U	300	35
142-28-9	1,3-Dichloropropane	27	U	300	27
106-46-7	1,4-Dichlorobenzene	48	U	300	48
594-20-7	2,2-Dichloropropane	61	U	300	61
110-75-8	2-Chloroethyl vinyl ether	92	U	1200	92
95-49-8	2-Chlorotoluene	48	U	300	48
591-78-6	2-Hexanone	99	U	1200	99
108-86-1	Bromobenzene	15	U	300	15
74-97-5	Bromochloromethane	83	U	300	83
106-43-4	4-Chlorotoluene	31	U	300	31
99-87-6	p-Isopropyltoluene	30	U	300	30
67-64-1	Acetone	270	U	1200	270
71-43-2	Benzene	11	U	300	11
75-25-2	Bromoform	72	U	300	72
74-83-9	Bromomethane	60	U	300	60
75-15-0	Carbon disulfide	66	U	300	66
56-23-5	Carbon tetrachloride	57	U	300	57
108-90-7	Chlorobenzene	48	U	300	48
75-00-3	Chloroethane	60	U	300	60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215</u>	Lab Sample ID: <u>240-52297-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX88133.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>06/22/2015 11:00</u>
Sample wt/vol: <u>5.31(g)</u>	Date Analyzed: <u>06/24/2015 08:37</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: <u>20.2</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>186444</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	42	U	300	42
74-87-3	Chloromethane	57	U	300	57
156-59-2	cis-1,2-Dichloroethene	45	U	300	45
10061-01-5	cis-1,3-Dichloropropene	26	U	300	26
87-68-3	Hexachlorobutadiene	52	U	300	52
74-95-3	Dibromomethane	59	U	300	59
75-27-4	Bromodichloromethane	45	U	300	45
75-71-8	Dichlorodifluoromethane	72	U	300	72
100-41-4	Ethylbenzene	41	U	300	41
106-93-4	1,2-Dibromoethane	38	U	300	38
108-20-3	Diisopropyl ether	61	U	590	61
91-20-3	Naphthalene	1300	B	300	31
179601-23-1	m-Xylene & p-Xylene	24	U	300	24
104-51-8	n-Butylbenzene	25	U	300	25
98-82-8	Isopropylbenzene	15	U	300	15
103-65-1	N-Propylbenzene	72	U	300	72
78-93-3	2-Butanone (MEK)	86	U	1200	86
108-10-1	4-Methyl-2-pentanone (MIBK)	66	U	1200	66
135-98-8	sec-Butylbenzene	19	U	300	19
1634-04-4	Methyl tert-butyl ether	35	U	300	35
994-05-8	Tert-amyl methyl ether	50	U	300	50
75-09-2	Methylene Chloride	100	U	300	100
95-47-6	o-Xylene	20	U	300	20
100-42-5	Styrene	32	U	300	32
637-92-3	Ethyl-t-butyl ether (ETBE)	19	U	300	19
98-06-6	tert-Butylbenzene	40	U	300	40
127-18-4	Tetrachloroethene	32	U	300	32
108-88-3	Toluene	12	U	300	12
156-60-5	trans-1,2-Dichloroethene	31	U	300	31
10061-02-6	trans-1,3-Dichloropropene	31	U	300	31
79-01-6	Trichloroethene	46	U	300	46
75-69-4	Trichlorofluoromethane	41	U	300	41
108-05-4	Vinyl acetate	120	U F1	590	120
75-01-4	Vinyl chloride	66	U	300	66
75-65-0	tert-Butyl alcohol (TBA)	990	U F1	12000	990
1330-20-7	Xylenes, Total	38	U	590	38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: MRC-DPAN-062215 Lab Sample ID: 240-52297-1
 Matrix: Solid Lab File ID: UX88133.D
 Analysis Method: 8260B Date Collected: 06/22/2015 11:00
 Sample wt/vol: 5.31(g) Date Analyzed: 06/24/2015 08:37
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
 Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: 20.2 Level: (low/med) Medium
 Analysis Batch No.: 186444 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	54	U	300	54

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		39-128
460-00-4	4-Bromofluorobenzene (Surr)	87		26-141
2037-26-5	Toluene-d8 (Surr)	87		33-134
1868-53-7	Dibromofluoromethane (Surr)	76		30-122

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184004

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/06/2015 03:26 Calibration End Date: 06/06/2015 05:12 Calibration ID: 28881

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-184004/9	UX87971.D
Level 2	STDA9 240-184004/8	UX87970.D
Level 3	STDA9 240-184004/7	UX87969.D
Level 4	STDA9 240-184004/6	UX87968.D
Level 5	STDA9 240-184004/5	UX87967.D
Level 6	STDA9 240-184004/4	UX87966.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0735 0.0593	0.0669	0.0597	0.0601	0.0664	Ave		0.0643				8.8		15.0			
Diisopropyl ether	0.2499 0.2268	0.2478	0.2382	0.2298	0.2399	Ave		0.2387				3.9		15.0			
2-Chloro-1,3-butadiene	0.6618 0.7131	0.7267	0.6462	0.6687	0.7132	Ave		0.6883				4.9		15.0			
Ethyl-t-butyl ether (ETBE)	1.1699 1.0269	1.1819	1.0951	1.0838	1.1455	Ave		1.1172				5.3		15.0			
Ethyl acetate	0.1120 0.0800	0.0879	0.0871	0.0836	0.0959	Ave		0.0911				12.7		15.0			
Propionitrile	0.0735 0.0596	0.0639	0.0620	0.0613	0.0673	Ave		0.0646				7.9		15.0			
Methacrylonitrile	0.3372 0.2876	0.3091	0.2977	0.2989	0.3239	Ave		0.3091				6.0		15.0			
Tert-amyl methyl ether	0.7732 0.6715	0.7910	0.7359	0.7211	0.7571	Ave		0.7416				5.7		15.0			
n-Butanol	0.0033 0.0050	0.0030	0.0038	0.0045	0.0054	Lin1	-0.382	0.0052							0.9940		0.9900
Ethyl acrylate	0.3450 0.3858	0.2796	0.3120	0.3450	0.4232	Ave		0.3484				14.7		15.0			
Methyl methacrylate	0.3330 0.3701	0.2942	0.3145	0.3356	0.4043	Ave		0.3419				11.6		15.0			
2-Nitropropane	0.0467 0.0483	0.0349	0.0320	0.0393	0.0481	Qua	-0.313	0.0463	0.0000074						0.9980		0.9900
n-Butyl acetate	0.1765 0.1247	0.1058	0.1271	0.1189	0.1463	Qua	-0.463	0.1579	-0.000151						0.9950		0.9900
1-Chlorohexane	0.4200 0.4089	0.4048	0.3904	0.3941	0.4140	Ave		0.4053				2.8		15.0			
Cyclohexanone	0.0192 0.0174	0.0178	0.0177	0.0192	0.0202	Ave		0.0186				5.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184004

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/06/2015 03:26 Calibration End Date: 06/06/2015 05:12 Calibration ID: 28881

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trimethylbenzene	2.7105 2.6906	2.8073	2.5934	2.6649	2.7050	Ave		2.6953				2.6		15.0			
Benzyl chloride	0.0739 0.1482	0.0702	0.0744	0.0880	0.1348	Qua	-0.645	0.1136	0.0001927						0.9970		0.9900
1,3,5-Trichlorobenzene	1.1084 1.0633	1.1728	1.0667	1.0575	1.0527	Ave		1.0869				4.3		15.0			
2-Methylnaphthalene	1.6072 1.0935	1.6323	1.6678	1.5378	1.5058	Ave		1.5074				14.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184004

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/06/2015 03:26 Calibration End Date: 06/06/2015 05:12 Calibration ID: 28881

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-184004/9	UX87971.D
Level 2	STDA9 240-184004/8	UX87970.D
Level 3	STDA9 240-184004/7	UX87969.D
Level 4	STDA9 240-184004/6	UX87968.D
Level 5	STDA9 240-184004/5	UX87967.D
Level 6	STDA9 240-184004/4	UX87966.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	87595 2775092	148055	283623	707269	1539935	50.0 2000	100	200	500	1000
Diisopropyl ether	FB	Ave	29789 1060916	54830	113152	270355	556331	5.00 200	10.0	20.0	50.0	100
2-Chloro-1,3-butadiene	FB	Ave	78887 3336458	160787	306910	786503	1654094	5.00 200	10.0	20.0	50.0	100
Ethyl-t-butyl ether (ETBE)	FB	Ave	139459 4804787	261504	520118	1274738	2656700	5.00 200	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	26704 748235	38912	82748	196620	444731	10.0 400	20.0	40.0	100	200
Propionitrile	FB	Ave	87659 2787048	141415	294370	720908	1560437	50.0 2000	100	200	500	1000
Methacrylonitrile	FB	Ave	402011 13456856	683796	1413833	3515539	7511880	50.0 2000	100	200	500	1000
Tert-amyl methyl ether	FB	Ave	92169 3141581	175021	349541	848206	1755812	5.00 200	10.0	20.0	50.0	100
n-Butanol	FB	Lin1	9951 587815	16723	44721	132978	315303	125 5000	250	500	1250	2500
Ethyl acrylate	FB	Ave	41131 1805083	61858	148210	405771	981398	5.00 200	10.0	20.0	50.0	100
Methyl methacrylate	FB	Ave	79395 3462818	130200	298725	789522	1875145	10.0 400	20.0	40.0	100	200
2-Nitropropane	FB	Qua	11125 451567	15464	30408	92474	223234	10.0 400	20.0	40.0	100	200
n-Butyl acetate	FB	Qua	21036 583351	23414	60376	139821	339389	5.00 200	10.0	20.0	50.0	100
1-Chlorohexane	CBZ	Ave	37022 1391542	63696	136260	338862	716699	5.00 200	10.0	20.0	50.0	100
Cyclohexanone	CBZ	Ave	16902 593436	28080	61701	164835	349775	50.0 2000	100	200	500	1000
1,2,3-Trimethylbenzene	DCB	Ave	121976 4735722	233824	469020	1187481	2450525	5.00 200	10.0	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184004

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/06/2015 03:26 Calibration End Date: 06/06/2015 05:12 Calibration ID: 28881

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzyl chloride	DCB	Qua	3326 260883	5849	13456	39216	122079	5.00 200	10.0	20.0	50.0	100
1,3,5-Trichlorobenzene	DCB	Ave	49880 1871454	97681	192910	471215	953628	5.00 200	10.0	20.0	50.0	100
2-Methylnaphthalene	DCB	Ave	144651 3849218	271918	603254	1370479	2728232	10.0 400	20.0	40.0	100	200

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-184260/10	UX87986.D
Level 2	STD8260 240-184260/9	UX87985.D
Level 3	STD8260 240-184260/8	UX87984.D
Level 4	STD8260 240-184260/7	UX87983.D
Level 5	ICIS 240-184260/6	UX87982.D
Level 6	STD8260 240-184260/5	UX87981.D
Level 7	STD8260 240-184260/4	UX87980.D
Level 8	STD8260 240-184260/3	UX87979.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	0.2196 0.2240	0.2095 0.2302	0.2128 0.2438	0.2503	0.2403	Ave		0.2288				6.5		15.0			
Chloromethane	0.4989 0.4453	0.4628 0.4475	0.4165 0.4589	0.4756	0.4594	Ave		0.4581			0.1000	5.2		15.0			
Vinyl chloride	0.2631 0.2679	0.2534 0.2716	0.2549 0.2823	0.2911	0.2770	Ave		0.2701				4.8		15.0			
Butadiene	0.3770 0.3716	0.3675 0.3786	0.3319 0.3951	0.3962	0.3917	Ave		0.3762				5.6		15.0			
Bromomethane	0.1187 0.1043	0.1039 0.0923	0.1002 0.0847	0.1086	0.1061	Ave		0.1024				10.1		15.0			
Chloroethane	0.1745 0.1495	0.1687 0.1490	0.1484 0.1564	0.1554	0.1559	Ave		0.1572				6.1		15.0			
Dichlorofluoromethane	0.3261 0.3211	0.3518 0.3184	0.3130 0.3257	0.3524	0.3266	Ave		0.3294				4.5		15.0			
Trichlorofluoromethane	0.3083 0.2954	0.2834 0.2990	0.2827 0.3010	0.3269	0.3243	Ave		0.3026				5.5		15.0			
Ethyl ether	0.3514 0.2673	0.2849 0.2756	0.2895 0.2643	0.2886	0.2938	Ave		0.2894				9.4		15.0			
Acrolein	0.0513 0.0464	0.0548 0.0463	0.0579 0.0419	0.0421	0.0557	Ave		0.0496				12.6		15.0			
1,1-Dichloroethene	0.2034 0.2035	0.1894 0.2139	0.2104 0.2091	0.2340	0.2479	Ave		0.2140				8.7		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1613 0.1680	0.1231 0.1675	0.1719 0.1757	0.1880	0.1949	Ave		0.1688				12.8		15.0			
Acetone	+++++ 0.2371	0.4780 0.2151	0.3101 0.2078	0.2724	0.2718	Lin1	1.1711	0.2106							0.9970		0.9900
Iodomethane	0.3949 0.3505	0.3581 0.3580	0.3535 0.3560	0.3871	0.3941	Ave		0.3690				5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260
SDG No.: _____
Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	0.7559 0.7110	0.6612 0.7495	0.7257 0.7573	0.7877	0.8223	Ave		0.7463				6.5		15.0			
3-Chloro-1-propene	0.1303 0.1332	0.1183 0.1413	0.1290 0.1295	0.1430	0.1563	Ave		0.1351				8.5		15.0			
Methyl acetate	0.4271 0.4114	0.4042 0.3856	0.3847 0.3873	0.3972	0.4302	Ave		0.4035				4.5		15.0			
Methylene Chloride	++++ 0.2742	0.8152 0.2660	0.4759 0.2521	0.3611	0.3265	Lin1	1.1524	0.2502							0.9990		0.9900
tert-Butyl alcohol (TBA)	0.0283 0.0387	0.0307 0.0332	0.0325 0.0259	0.0317	0.0404	Ave		0.0327				14.9		15.0			
Acrylonitrile	0.1966 0.1814	0.1801 0.1692	0.1770 0.1710	0.1785	0.1937	Ave		0.1809				5.4		15.0			
trans-1,2-Dichloroethene	0.2650 0.2319	0.2479 0.2395	0.2544 0.2303	0.2562	0.2744	Ave		0.2499				6.2		15.0			
Methyl tert-butyl ether	0.8205 0.8096	0.8040 0.7707	0.7639 0.7249	0.8279	0.8545	Ave		0.7970				5.2		15.0			
Hexane	++++ 0.0663	0.0666 0.0708	0.0844 0.0738	0.0806	0.0920	Ave		0.0764				12.6		15.0			
1,1-Dichloroethane	0.6726 0.5490	0.5656 0.5679	0.5532 0.5660	0.5900	0.6074	Ave		0.5840			0.1000	6.9		15.0			
Vinyl acetate	++++ 0.6283	++++ 0.6778	0.5389 0.6419	0.5907	0.6437	Ave		0.6202				7.9		15.0			
2-Butanone (MEK)	0.3429 0.2918	0.3374 0.2708	0.3004 0.2811	0.2940	0.3208	Ave		0.3049				8.6		15.0			
cis-1,2-Dichloroethene	0.3005 0.2629	0.2564 0.2654	0.2647 0.2593	0.2967	0.2936	Ave		0.2749				6.7		15.0			
2,2-Dichloropropane	0.2372 0.2300	0.1856 0.2290	0.2099 0.1977	0.2348	0.2614	Ave		0.2232				10.9		15.0			
Bromochloromethane	0.1465 0.1264	0.1112 0.1250	0.1225 0.1245	0.1310	0.1395	Ave		0.1283				8.4		15.0			
Tetrahydrofuran	0.1793 0.1740	0.1851 0.1603	0.1673 0.1620	0.1770	0.1783	Ave		0.1729				5.1		15.0			
Chloroform	0.5153 0.4391	0.4294 0.4404	0.4281 0.4377	0.4656	0.4857	Ave		0.4552				6.9		15.0			
1,1,1-Trichloroethane	0.2931 0.3111	0.2340 0.3257	0.2872 0.3212	0.3295	0.3463	Ave		0.3060				11.4		15.0			
Cyclohexane	0.6553 0.6637	0.4964 0.6814	0.7009 0.7017	0.7496	0.7880	Ave		0.6796				12.7		15.0			
1,1-Dichloropropene	0.3127 0.3087	0.2776 0.3288	0.3246 0.3317	0.3453	0.3607	Ave		0.3238				7.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	++++ 0.2250	++++ 0.2466	0.1824 0.2449	0.2214	0.2356	Ave		0.2260				10.5		15.0			
Isobutyl alcohol	++++ 0.0149	0.0106 0.0141	0.0104 0.0139	0.0127	0.0144	Ave		0.0130				14.0		15.0			
1,2-Dichloroethane	0.5397 0.5012	0.4924 0.5045	0.4695 0.4952	0.5431	0.5413	Ave		0.5109				5.4		15.0			
Benzene	1.1848 0.9781	1.0241 1.0108	1.0130 1.0139	1.0830	1.0974	Ave		1.0506				6.4		15.0			
n-Heptane	++++ 0.0682	++++ 0.0727	0.0701 0.0787	0.0797	0.0785	Ave		0.0747				6.7		15.0			
Trichloroethene	0.2725 0.2349	0.2523 0.2455	0.2435 0.2476	0.2592	0.2647	Ave		0.2525				4.9		15.0			
Methylcyclohexane	0.4164 0.4221	0.2975 0.4365	0.4502 0.4343	0.4743	0.4879	Ave		0.4274				13.6		15.0			
1,2-Dichloropropane	0.3124 0.2976	0.2921 0.3129	0.2915 0.3116	0.3312	0.3272	Ave		0.3096				4.9		15.0			
Dibromomethane	0.1368 0.1529	0.1538 0.1514	0.1486 0.1503	0.1579	0.1690	Ave		0.1526				5.9		15.0			
1,4-Dioxane	0.0025 0.0029	0.0025 0.0028	0.0030 0.0026	0.0033	0.0034	Ave		0.0029				11.5		15.0			
Bromodichloromethane	0.3032 0.3168	0.2313 0.3414	0.2446 0.3394	0.2922	0.3201	Ave		0.2986				13.7		15.0			
2-Chloroethyl vinyl ether	0.1042 0.1034	0.0906 0.1089	0.0946 0.1211	0.1117	0.1055	Ave		0.1050				9.1		15.0			
cis-1,3-Dichloropropene	0.2977 0.3536	0.2901 0.3882	0.2932 0.3987	0.3485	0.3664	Ave		0.3421				12.7		15.0			
4-Methyl-2-pentanone (MIBK)	0.5085 0.5352	0.5253 0.5149	0.4910 0.5269	0.5369	0.5540	Ave		0.5241				3.7		15.0			
Toluene	1.4327 1.2738	1.3015 1.3572	1.3061 1.3662	1.4747	1.4416	Ave		1.3692				5.4		15.0			
trans-1,3-Dichloropropene	++++ 0.3812	++++ 0.4251	0.3002 0.4304	0.3562	0.3797	Ave		0.3788				12.7		15.0			
Ethyl methacrylate	++++ 0.3842	++++ 0.4037	0.2770 0.4128	0.3371	0.3622	Ave		0.3628				13.9		15.0			
1,1,2-Trichloroethane	0.2890 0.2698	0.2642 0.2714	0.2742 0.2678	0.2938	0.2909	Ave		0.2776				4.2		15.0			
1,3-Dichloropropane	0.6040 0.5012	0.5243 0.5117	0.4987 0.5050	0.5439	0.5382	Ave		0.5284				6.6		15.0			
Tetrachloroethene	0.2845 0.2536	0.2406 0.2627	0.2673 0.2582	0.2925	0.2905	Ave		0.2687				7.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.5086 0.4929	0.5108 0.4809	0.4774 0.4996	0.5070	0.5428	Ave		0.5025				4.1		15.0			
Dibromochloromethane	++++ 0.2322	++++ 0.2631	0.1641 0.2683	0.2021	0.2255	Qua	-0.667	0.2570	0.0000749						1.0000		0.9900
1,2-Dibromoethane	0.2203 0.2790	0.2670 0.2878	0.2555 0.2827	0.2876	0.2923	Ave		0.2715				8.8		15.0			
Chlorobenzene	1.0661 0.8523	0.8833 0.9032	0.9174 0.8909	1.0167	0.9566	Ave		0.9358			0.3000	7.8		15.0			
1,1,1,2-Tetrachloroethane	0.1889 0.2525	0.1599 0.2794	0.1758 0.2714	0.2133	0.2434	Lin1	-0.200	0.2702							0.9970		0.9900
Ethylbenzene	0.5327 0.4579	0.4561 0.4841	0.4643 0.4800	0.5330	0.5341	Ave		0.4928				7.1		15.0			
m-Xylene & p-Xylene	0.5982 0.5575	0.5468 0.5935	0.5847 0.5911	0.6617	0.6439	Ave		0.5972				6.5		15.0			
o-Xylene	0.6149 0.5631	0.5208 0.5851	0.5544 0.5407	0.6438	0.6467	Ave		0.5837				8.1		15.0			
Styrene	1.0726 0.9820	0.8846 1.0052	0.9143 0.9749	1.0893	1.0814	Ave		1.0005				7.7		15.0			
Bromoform	++++ 0.1519	++++ 0.1743	0.0904 0.1842	0.1056	0.1409	Qua	-0.580	0.1669	0.0001024		0.1000				1.0000		0.9900
Isopropylbenzene	1.6683 1.5187	1.3194 1.5701	1.5021 1.5254	1.7476	1.7169	Ave		1.5711				8.8		15.0			
1,1,2,2-Tetrachloroethane	0.7191 0.7161	0.5581 0.7164	0.6568 0.7210	0.6980	0.7232	Ave		0.6886			0.3000	8.3		15.0			
Bromobenzene	0.7930 0.6883	0.7407 0.7278	0.6820 0.7205	0.7963	0.7490	Ave		0.7372				5.7		15.0			
1,2,3-Trichloropropane	0.2205 0.2299	0.2306 0.2371	0.2606 0.2324	0.2612	0.2558	Ave		0.2410				6.6		15.0			
trans-1,4-Dichloro-2-butene	++++ 0.3337	0.2612 0.3586	0.3016 0.3864	0.3147	0.3384	Ave		0.3278				12.3		15.0			
N-Propylbenzene	0.8047 0.7325	0.6420 0.8044	0.7304 0.8173	0.8900	0.8215	Ave		0.7803				9.7		15.0			
2-Chlorotoluene	0.6972 0.6284	0.6749 0.6723	0.6330 0.6780	0.7646	0.6965	Ave		0.6806				6.3		15.0			
1,3,5-Trimethylbenzene	2.4424 2.4653	2.1142 2.5996	2.3288 2.5956	2.7244	2.6709	Ave		2.4926				8.0		15.0			
4-Chlorotoluene	0.6793 0.6495	0.6499 0.6910	0.6772 0.6942	0.7722	0.7235	Ave		0.6921				5.8		15.0			
tert-Butylbenzene	2.2308 2.1148	2.0877 2.2202	2.0689 2.1988	2.3979	2.2834	Ave		2.2003				5.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260
SDG No.: _____
Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.5844 2.5508	2.1414 2.6860	2.4872 2.7012	2.8519	2.8062	Ave		2.6011				8.6		15.0			
sec-Butylbenzene	3.0709 3.1377	2.6226 3.2890	3.0658 3.3315	3.5159	3.4349	Ave		3.1835				8.8		15.0			
1,3-Dichlorobenzene	1.6730 1.3631	1.4343 1.4189	1.4136 1.3874	1.5700	1.5122	Ave		1.4716				7.2		15.0			
p-Isopropyltoluene	2.5657 2.5277	2.1442 2.6232	2.4742 2.6571	2.8400	2.8009	Ave		2.5791				8.4		15.0			
1,4-Dichlorobenzene	1.8358 1.3888	1.5048 1.4332	1.4782 1.4115	1.6143	1.5481	Ave		1.5268				9.5		15.0			
n-Butylbenzene	2.3550 2.4172	1.9911 2.5129	2.3107 2.5058	2.6414	2.6734	Ave		2.4259				8.9		15.0			
1,2-Dichlorobenzene	1.4836 1.3270	1.3961 1.3530	1.4117 1.3162	1.4855	1.4827	Ave		1.4070				5.1		15.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1320	++++ 0.1364	0.0669 0.1440	0.0861	0.0998	Lin1	-0.511	0.1436							0.9980		0.9900
1,2,4-Trichlorobenzene	1.1202 1.0038	1.0054 1.0044	1.0150 0.9905	1.0872	1.0669	Ave		1.0367				4.6		15.0			
Hexachlorobutadiene	0.5390 0.5724	0.4911 0.5724	0.5482 0.5827	0.6055	0.6093	Ave		0.5651				6.8		15.0			
Naphthalene	2.4616 2.3265	2.2724 2.2104	2.2415 2.1059	2.2364	2.3801	Ave		2.2794				4.8		15.0			
1,2,3-Trichlorobenzene	1.0526 0.9653	1.0735 0.9557	0.9761 0.9176	1.0176	1.0375	Ave		0.9995				5.4		15.0			
Dibromofluoromethane (Surr)	0.7509 0.2317	0.4383 0.2240	0.3175 0.2258	0.2997	0.2829	Lin1	0.5199	0.2238							0.9980		0.9900
1,2-Dichloroethane-d4 (Surr)	1.3132 0.3617	0.7592 0.3539	0.5444 0.3682	0.5027	0.4562	Lin1	0.9489	0.3588							0.9970		0.9900
Toluene-d8 (Surr)	3.9491 1.1339	2.2058 1.0998	1.6115 1.1158	1.5631	1.3279	Lin1	2.7678	1.0987							0.9980		0.9900
4-Bromofluorobenzene (Surr)	1.7400 0.4511	1.0494 0.4407	0.6960 0.4345	0.6787	0.5589	Lin1	1.3736	0.4325							0.9970		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-184260/10	UX87986.D
Level 2	STD8260 240-184260/9	UX87985.D
Level 3	STD8260 240-184260/8	UX87984.D
Level 4	STD8260 240-184260/7	UX87983.D
Level 5	ICIS 240-184260/6	UX87982.D
Level 6	STD8260 240-184260/5	UX87981.D
Level 7	STD8260 240-184260/4	UX87980.D
Level 8	STD8260 240-184260/3	UX87979.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4185 216973	8056 450156	20408 950773	49605	91234	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloromethane	FB	Ave	9509 431402	17795 874902	39935 1789786	94251	174449	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl chloride	FB	Ave	5015 259492	9744 530945	24439 1101142	57684	105167	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Butadiene	FB	Ave	7186 360021	14131 740257	31822 1540958	78516	148736	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromomethane	FB	Ave	2263 101051	3996 180362	9603 330416	21530	40307	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloroethane	FB	Ave	3326 144816	6487 291254	14231 610156	30789	59195	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dichlorofluoromethane	FB	Ave	6216 311069	13526 622422	30014 1270466	69845	124011	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichlorofluoromethane	FB	Ave	5877 286205	10896 584488	27106 1174067	64785	123145	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl ether	FB	Ave	6697 258923	10955 538763	27754 1030900	57190	111552	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Acrolein	FB	Ave	4893 224564	10542 452507	27767 816437	41722	105781	5.00 250	10.0 500	25.0 1000	50.0	100
1,1-Dichloroethene	FB	Ave	3876 197163	7282 418271	20169 815537	46384	94139	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3075 162769	4732 327455	16485 685285	37261	73993	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Acetone	FB	Lin1	++++ 459308	36759 840928	59464 1621090	107965	206380	++++ 100	4.00 200	10.0 400	20.0	40.0
Iodomethane	FB	Ave	7527 339552	13770 699995	33899 1388484	76719	149658	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Carbon disulfide	FB	Ave	14407 688724	25424 1465303	69580 2953881	156108	312234	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
3-Chloro-1-propene	FB	Ave	2483 128998	4548 276277	12370 505080	28350	59332	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl acetate	FB	Ave	40706 1992752	77712 3769676	184427 7552567	393562	816809	5.00 250	10.0 500	25.0 1000	50.0	100
Methylene Chloride	FB	Lin1	++++ 265585	31344 519998	45628 983357	71572	123997	++++ 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butyl alcohol (TBA)	FB	Ave	5396 375138	11814 648272	31205 1009719	62744	153490	10.0 500	20.0 1000	50.0 2000	100	200
Acrylonitrile	FB	Ave	37473 1757677	69259 3308904	169677 6667965	353812	735461	10.0 500	20.0 1000	50.0 2000	100	200
trans-1,2-Dichloroethene	FB	Ave	5050 224688	9530 468202	24394 898373	50779	104194	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl tert-butyl ether	FB	Ave	15639 784264	30913 1506745	73240 2827493	164085	324476	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexane	FB	Ave	++++ 64263	2562 138513	8088 287991	15968	34921	++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	12820 531870	21749 1110294	53039 2207621	116928	230631	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl acetate	FB	Ave	++++ 608641	++++ 1325235	51672 2503855	117077	244436	++++ 50.0	++++ 100	5.00 200	10.0	20.0
2-Butanone (MEK)	FB	Ave	13070 565266	25943 1058859	57609 2192567	116551	243658	2.00 100	4.00 200	10.0 400	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	5727 254695	9857 518959	25376 1011505	58798	111479	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	4521 222796	7136 447640	20129 771109	46531	99268	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromochloromethane	FB	Ave	2792 122411	4276 244344	11745 485597	25958	52956	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrahydrofuran	FB	Ave	6834 337087	14234 626608	32081 1263399	70149	135419	2.00 100	4.00 200	10.0 400	20.0	40.0
Chloroform	FB	Ave	9821 425351	16512 861086	41047 1707231	92274	184423	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	5586 301420	8996 636699	27541 1252721	65309	131501	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexane	FB	Ave	12490 642978	19085 1332133	67200 2737044	148553	299227	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloropropene	FB	Ave	5960 299080	10672 642760	31122 1293852	68443	136967	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Carbon tetrachloride	FB	Ave	++++ 217959	++++ 482069	17492 955375	43886	89447	++++ 50.0	++++ 100	5.00 200	10.0	20.0
Isobutyl alcohol	FB	Ave	++++ 361976	10223 691270	25028 1354371	63091	136236	++++ 1250	50.0 2500	125 5000	250	500

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dichloroethane	FB	Ave	10287 485570	18932 986423	45020 1931442	107645	205558	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Benzene	FB	Ave	22582 947553	39378 1976281	97129 3954606	214634	416700	1.00 50.0	2.00 100	5.00 200	10.0	20.0
n-Heptane	FB	Ave	++++ 66063	++++ 142221	6718 307141	15794	29810	++++ 50.0	++++ 100	5.00 200	10.0	20.0
Trichloroethene	FB	Ave	5193 227507	9702 480042	23347 965564	51368	100512	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methylcyclohexane	FB	Ave	7936 408947	11440 853319	43165 1693976	94000	185250	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloropropane	FB	Ave	5954 288293	11233 611770	27948 1215514	65645	124259	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dibromomethane	FB	Ave	2607 148140	5914 295941	14250 586112	31295	64175	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dioxane	FB	Ave	937 55896	1948 109521	5686 203403	12948	25475	20.0 1000	40.0 2000	100 4000	200	400
Bromodichloromethane	FB	Ave	5779 306900	8895 667512	23450 1323747	57918	121553	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	3974 200243	6967 425805	18138 944772	44281	80147	2.00 100	4.00 200	10.0 400	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	5674 342532	11156 759015	28112 1555092	69070	139125	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	19384 1036954	40399 2013352	94157 4110514	212817	420717	2.00 100	4.00 200	10.0 400	20.0	40.0
Toluene	CBZ	Ave	20316 912828	37313 1988050	93373 4085358	219436	405605	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	++++ 273134	++++ 622685	21458 1287160	52994	106840	++++ 50.0	++++ 100	5.00 200	10.0	20.0
Ethyl methacrylate	CBZ	Ave	++++ 275326	++++ 591419	19805 1234502	50159	101896	++++ 50.0	++++ 100	5.00 200	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	4098 193320	7573 397516	19600 800712	43718	81854	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	8565 359176	15031 749534	35650 1510032	80936	151424	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrachloroethene	CBZ	Ave	4034 181716	6897 384856	19108 772215	43518	81737	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Hexanone	CBZ	Ave	14424 706368	29290 1408764	68257 2987816	150890	305416	2.00 100	4.00 200	10.0 400	20.0	40.0
Dibromochloromethane	CBZ	Qua	++++ 166409	++++ 385446	11728 802210	30074	63458	++++ 50.0	++++ 100	5.00 200	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	3124 199950	7654 421542	18267 845460	42797	82232	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	15118 610777	25323 1322990	65583 2664110	151279	269135	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Lin1	2679 180934	4585 409340	12566 811482	31732	68494	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylbenzene	CBZ	Ave	7554 328140	13077 709193	33193 1435496	79312	150260	1.00 50.0	2.00 100	5.00 200	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	8483 399476	15677 869355	41796 1767591	98456	181177	1.00 50.0	2.00 100	5.00 200	10.0	20.0
o-Xylene	CBZ	Ave	8720 403522	14930 857009	39630 1616904	95792	181945	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Styrene	CBZ	Ave	15210 703681	25361 1472403	65361 2915249	162077	304273	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromoform	CBZ	Qua	++++ 108874	++++ 255314	6463 550866	15706	39634	++++ 50.0	++++ 100	5.00 200	10.0	20.0
Isopropylbenzene	CBZ	Ave	23658 1088256	37826 2299921	107381 4561497	260043	483056	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	5439 271351	8703 535379	25160 1042940	54112	111917	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromobenzene	DCB	Ave	5998 260818	11550 543942	26125 1042120	61728	115906	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	1668 87108	3596 177212	9982 336119	20252	39578	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 126435	4073 267975	11554 558864	24399	52364	++++ 50.0	2.00 100	5.00 200	10.0	20.0
N-Propylbenzene	DCB	Ave	6086 277536	10012 601173	27978 1182243	68991	127126	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chlorotoluene	DCB	Ave	5273 238106	10524 502406	24247 980759	59274	107787	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	18473 934104	32970 1942775	89208 3754444	211199	413317	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Chlorotoluene	DCB	Ave	5138 246110	10135 516437	25940 1004149	59858	111962	1.00 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butylbenzene	DCB	Ave	16873 801310	32556 1659274	79250 3180494	185883	353357	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	19547 966525	33393 2007321	95274 3907312	221081	434257	1.00 50.0	2.00 100	5.00 200	10.0	20.0
sec-Butylbenzene	DCB	Ave	23227 1188900	40897 2458037	117437 4818911	272552	531552	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	12654 516473	22367 1060411	54148 2006823	121705	234007	1.00 50.0	2.00 100	5.00 200	10.0	20.0
p-Isopropyltoluene	DCB	Ave	19406 957769	33437 1960448	94776 3843472	220157	433434	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 184260

SDG No.: _____

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/09/2015 01:53 Calibration End Date: 06/09/2015 04:23 Calibration ID: 28897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	13885 526234	23466 1071071	56625 2041718	125138	239566	1.00 50.0	2.00 100	5.00 200	10.0	20.0
n-Butylbenzene	DCB	Ave	17812 915903	31049 1877969	88512 3624573	204765	413703	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	11221 502797	21771 1011172	54075 1903813	115155	229451	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	++++ 50027	++++ 101936	2564 208335	6675	15440	++++ 50.0	++++ 100	5.00 200	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	8473 380342	15678 750629	38879 1432693	84281	165109	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexachlorobutadiene	DCB	Ave	4077 216900	7659 427771	20998 842882	46935	94297	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Naphthalene	DCB	Ave	18618 881530	35436 1651957	85862 3046208	173368	368321	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	7961 365739	16740 714215	37391 1327289	78882	160560	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dibromofluoromethane (Surr)	FB	Lin1	14312 224420	16853 437851	30443 880668	59389	107431	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin1	25029 350382	29190 691861	52201 1436245	99636	173219	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Toluene-d8 (Surr)	CBZ	Lin1	56001 812534	63238 1610950	115201 3336725	232588	373603	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Lin1	24675 323237	30086 645487	49752 1299244	100995	157259	1.00 50.0	2.00 100	5.00 200	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Lab Sample ID: ICV 240-184260/11 Calibration Date: 06/09/2015 04:45

Instrument ID: A3UX8 Calib Start Date: 06/09/2015 01:53

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/09/2015 04:23

Lab File ID: UX87987.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2288	0.2690		0.0294	0.0250	17.6	50.0
Chloromethane	Ave	0.4581	0.4775	0.1000	0.0261	0.0250	4.2	50.0
Vinyl chloride	Ave	0.2701	0.2801		0.0259	0.0250	3.7	20.0
Butadiene	Ave	0.3762	0.3832		0.0255	0.0250	1.9	50.0
Bromomethane	Ave	0.1024	0.1014		0.0248	0.0250	-0.9	50.0
Chloroethane	Ave	0.1572	0.1520		0.0242	0.0250	-3.3	50.0
Dichlorofluoromethane	Ave	0.3294	0.3295		0.0250	0.0250	0.0	50.0
Trichlorofluoromethane	Ave	0.3026	0.3154		0.0261	0.0250	4.2	50.0
Ethyl ether	Ave	0.2894	0.2981		0.0257	0.0250	3.0	50.0
Acrolein	Ave	0.0496	0.0574		0.145	0.125	15.7	50.0
1,1-Dichloroethene	Ave	0.2140	0.2308		0.0270	0.0250	7.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1688	0.1808		0.0268	0.0250	7.1	50.0
Acetone	Lin1	0.2846	0.2236		0.0475	0.0500	-4.9	50.0
Iodomethane	Ave	0.3690	0.3952		0.0268	0.0250	7.1	50.0
Carbon disulfide	Ave	0.7463	0.7996		0.0268	0.0250	7.1	50.0
3-Chloro-1-propene	Ave	0.1351	0.1273		0.0235	0.0250	-5.8	50.0
Methyl acetate	Ave	0.4035	0.3762		0.117	0.125	-6.8	50.0
Methylene Chloride	Lin1	0.3959	0.3103		0.0264	0.0250	5.6	50.0
tert-Butyl alcohol (TBA)	Ave	0.0327	0.0359		0.274	0.250	9.7	50.0
Acrylonitrile	Ave	0.1809	0.1816		0.251	0.250	0.3	50.0
Methyl tert-butyl ether	Ave	0.7970	0.8259		0.0259	0.0250	3.6	50.0
trans-1,2-Dichloroethene	Ave	0.2499	0.2653		0.0265	0.0250	6.2	50.0
Hexane	Ave	0.0764	0.0833		0.0273	0.0250	9.0	20.0
1,1-Dichloroethane	Ave	0.5840	0.6022	0.1000	0.0258	0.0250	3.1	50.0
Vinyl acetate	Ave	0.6202	0.6831		0.0275	0.0250	10.1	50.0
2-Butanone (MEK)	Ave	0.3049	0.2929		0.0480	0.0500	-3.9	50.0
cis-1,2-Dichloroethene	Ave	0.2749	0.2919		0.0265	0.0250	6.2	50.0
2,2-Dichloropropane	Ave	0.2232	0.2210		0.0248	0.0250	-1.0	50.0
Bromochloromethane	Ave	0.1283	0.1313		0.0256	0.0250	2.3	50.0
Tetrahydrofuran	Ave	0.1729	0.1733		0.0501	0.0500	0.3	50.0
Chloroform	Ave	0.4552	0.4691		0.0258	0.0250	3.1	20.0
1,1,1-Trichloroethane	Ave	0.3060	0.3085		0.0252	0.0250	0.8	50.0
Cyclohexane	Ave	0.6796	0.7199		0.0265	0.0250	5.9	50.0
1,1-Dichloropropene	Ave	0.3238	0.3728		0.0288	0.0250	15.2	50.0
Carbon tetrachloride	Ave	0.2260	0.1922		0.0213	0.0250	-15.0	50.0
Isobutyl alcohol	Ave	0.0130	0.0129		0.621	0.625	-0.6	50.0
1,2-Dichloroethane	Ave	0.5109	0.5197		0.0254	0.0250	1.7	50.0
Benzene	Ave	1.051	1.075		0.0256	0.0250	2.3	50.0
n-Heptane	Ave	0.0747	0.0741		0.0248	0.0250	-0.7	50.0
Trichloroethene	Ave	0.2525	0.2716		0.0269	0.0250	7.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Lab Sample ID: ICV 240-184260/11 Calibration Date: 06/09/2015 04:45

Instrument ID: A3UX8 Calib Start Date: 06/09/2015 01:53

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/09/2015 04:23

Lab File ID: UX87987.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3096	0.3299		0.0266	0.0250	6.6	20.0
Methylcyclohexane	Ave	0.4274	0.4566		0.0267	0.0250	6.8	50.0
1,4-Dioxane	Ave	0.0029	0.0034		0.592	0.500	18.4	50.0
Dibromomethane	Ave	0.1526	0.1610		0.0264	0.0250	5.5	50.0
Bromodichloromethane	Ave	0.2986	0.2907		0.0243	0.0250	-2.6	50.0
2-Chloroethyl vinyl ether	Ave	0.1050	0.1128		0.0269	0.0250	7.4	50.0
cis-1,3-Dichloropropene	Ave	0.3421	0.3564		0.0260	0.0250	4.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5241	0.5855		0.0559	0.0500	11.7	50.0
Toluene	Ave	1.369	1.458		0.0266	0.0250	6.5	20.0
trans-1,3-Dichloropropene	Ave	0.3788	0.4049		0.0267	0.0250	6.9	50.0
Ethyl methacrylate	Ave	0.3628	0.3725		0.0257	0.0250	2.7	50.0
1,1,2-Trichloroethane	Ave	0.2776	0.3123		0.0281	0.0250	12.5	50.0
1,3-Dichloropropane	Ave	0.5284	0.5503		0.0260	0.0250	4.2	50.0
Tetrachloroethene	Ave	0.2687	0.2888		0.0269	0.0250	7.5	50.0
2-Hexanone	Ave	0.5025	0.5495		0.0547	0.0500	9.4	50.0
Dibromochloromethane	Qua	0.2259	0.1965		0.0216	0.0250	-13.7	50.0
1,2-Dibromoethane	Ave	0.2715	0.2922		0.0269	0.0250	7.6	50.0
Chlorobenzene	Ave	0.9358	0.9800	0.3000	0.0262	0.0250	4.7	50.0
1,1,1,2-Tetrachloroethane	Lin1		0.2179		0.0209	0.0250	-16.4	50.0
Ethylbenzene	Ave	0.4928	0.5189		0.0263	0.0250	5.3	20.0
m-Xylene & p-Xylene	Ave	0.5972	0.6418		0.0269	0.0250	7.5	50.0
o-Xylene	Ave	0.5837	0.6562		0.0281	0.0250	12.4	50.0
Styrene	Ave	1.001	1.078		0.0269	0.0250	7.8	50.0
Bromoform	Qua	0.1412	0.1122	0.1000	0.0200	0.0250	-19.8	50.0
Isopropylbenzene	Ave	1.571	1.758		0.0280	0.0250	11.9	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6886	0.8033	0.3000	0.0292	0.0250	16.7	50.0
Bromobenzene	Ave	0.7372	0.8277		0.0281	0.0250	12.3	50.0
1,2,3-Trichloropropane	Ave	0.2410	0.2789		0.0289	0.0250	15.7	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3278	0.3665		0.0280	0.0250	11.8	50.0
N-Propylbenzene	Ave	0.7803	0.8539		0.0274	0.0250	9.4	50.0
2-Chlorotoluene	Ave	0.6806	0.7670		0.0282	0.0250	12.7	50.0
1,3,5-Trimethylbenzene	Ave	2.493	2.786		0.0279	0.0250	11.8	50.0
4-Chlorotoluene	Ave	0.6921	0.7743		0.0280	0.0250	11.9	50.0
tert-Butylbenzene	Ave	2.200	2.375		0.0270	0.0250	7.9	50.0
1,2,4-Trimethylbenzene	Ave	2.601	2.846		0.0274	0.0250	9.4	50.0
sec-Butylbenzene	Ave	3.184	3.502		0.0275	0.0250	10.0	50.0
1,3-Dichlorobenzene	Ave	1.472	1.585		0.0269	0.0250	7.7	50.0
p-Isopropyltoluene	Ave	2.579	2.801		0.0271	0.0250	8.6	50.0
1,4-Dichlorobenzene	Ave	1.527	1.671		0.0274	0.0250	9.4	50.0
n-Butylbenzene	Ave	2.426	2.577		0.0266	0.0250	6.2	50.0
1,2-Dichlorobenzene	Ave	1.407	1.590		0.0283	0.0250	13.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab Sample ID: ICV 240-184260/11 Calibration Date: 06/09/2015 04:45
 Instrument ID: A3UX8 Calib Start Date: 06/09/2015 01:53
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/09/2015 04:23
 Lab File ID: UX87987.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1	0.1109	0.1011		0.0212	0.0250	-15.4	50.0
1,2,4-Trichlorobenzene	Ave	1.037	1.076		0.0259	0.0250	3.8	50.0
Hexachlorobutadiene	Ave	0.5651	0.5576		0.0247	0.0250	-1.3	50.0
Naphthalene	Ave	2.279	2.309		0.0253	0.0250	1.3	50.0
1,2,3-Trichlorobenzene	Ave	0.999	0.999		0.0250	0.0250	-0.0	50.0
Dibromofluoromethane (Surr)	Lin1		0.2226		0.0474	0.0500	-5.2	50.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.3405		0.0448	0.0500	-10.4	50.0
Toluene-d8 (Surr)	Lin1		1.134		0.0491	0.0500	-1.8	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.4415		0.0479	0.0500	-4.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Lab Sample ID: CCVIS 240-186444/4 Calibration Date: 06/24/2015 02:35

Instrument ID: A3UX8 Calib Start Date: 06/09/2015 01:53

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/09/2015 04:23

Lab File ID: UX88116.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2288	0.1847		0.0161	0.0200	-19.3	50.0
Chloromethane	Ave	0.4581	0.4120	0.1000	0.0180	0.0200	-10.1	50.0
Vinyl chloride	Ave	0.2701	0.2543		0.0188	0.0200	-5.9	20.0
Butadiene	Ave	0.3762	0.3529		0.0188	0.0200	-6.2	50.0
Bromomethane	Ave	0.1024	0.1037		0.0203	0.0200	1.3	50.0
Chloroethane	Ave	0.1572	0.1556		0.0198	0.0200	-1.1	50.0
Dichlorofluoromethane	Ave	0.3294	0.3427		0.0208	0.0200	4.0	50.0
Trichlorofluoromethane	Ave	0.3026	0.3033		0.0200	0.0200	0.2	50.0
Ethyl ether	Ave	0.2894	0.2899		0.0200	0.0200	0.2	50.0
Acrolein	Ave	0.0496	0.0412		0.0831	0.100	-16.9	50.0
1,1-Dichloroethene	Ave	0.2140	0.2232		0.0209	0.0200	4.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1688	0.1818		0.0215	0.0200	7.7	50.0
Acetone	Lin1	0.2846	0.2682		0.0454	0.0400	13.4	50.0
Iodomethane	Ave	0.3690	0.3721		0.0202	0.0200	0.8	50.0
Carbon disulfide	Ave	0.7463	0.7773		0.0208	0.0200	4.2	50.0
3-Chloro-1-propene	Ave	0.1351	0.1419		0.0210	0.0200	5.0	50.0
Methyl acetate	Ave	0.4035	0.3735		0.0926	0.100	-7.4	50.0
Methylene Chloride	Lin1	0.3959	0.3213		0.0211	0.0200	5.4	50.0
tert-Butyl alcohol (TBA)	Ave	0.0327	0.0222		0.136	0.200	-32.1	50.0
Acrylonitrile	Ave	0.1809	0.1827		0.202	0.200	1.0	50.0
Methyl tert-butyl ether	Ave	0.7970	0.7514		0.0189	0.0200	-5.7	50.0
trans-1,2-Dichloroethene	Ave	0.2499	0.2502		0.0200	0.0200	0.1	50.0
Hexane	Ave	0.0764	0.0811		0.0212	0.0200	6.2	20.0
1,1-Dichloroethane	Ave	0.5840	0.5948	0.1000	0.0204	0.0200	1.9	50.0
Vinyl acetate	Ave	0.6202	0.4543		0.0147	0.0200	-26.7	50.0
2-Butanone (MEK)	Ave	0.3049	0.2868		0.0376	0.0400	-5.9	50.0
cis-1,2-Dichloroethene	Ave	0.2749	0.2718		0.0198	0.0200	-1.1	50.0
2,2-Dichloropropane	Ave	0.2232	0.1916		0.0172	0.0200	-14.2	50.0
Bromochloromethane	Ave	0.1283	0.1304		0.0203	0.0200	1.6	50.0
Tetrahydrofuran	Ave	0.1729	0.1675		0.0388	0.0400	-3.1	50.0
Chloroform	Ave	0.4552	0.4626		0.0203	0.0200	1.6	20.0
1,1,1-Trichloroethane	Ave	0.3060	0.3269		0.0214	0.0200	6.8	50.0
Cyclohexane	Ave	0.6796	0.7587		0.0223	0.0200	11.6	50.0
1,1-Dichloropropene	Ave	0.3238	0.3265		0.0202	0.0200	0.8	50.0
Carbon tetrachloride	Ave	0.2260	0.2552		0.0226	0.0200	12.9	50.0
Isobutyl alcohol	Ave	0.0130	0.0118		0.451	0.500	-9.7	50.0
1,2-Dichloroethane	Ave	0.5109	0.5159		0.0202	0.0200	1.0	50.0
Benzene	Ave	1.051	1.055		0.0201	0.0200	0.4	50.0
n-Heptane	Ave	0.0747	0.0739		0.0198	0.0200	-1.1	50.0
Trichloroethene	Ave	0.2525	0.2428		0.0192	0.0200	-3.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Lab Sample ID: CCVIS 240-186444/4 Calibration Date: 06/24/2015 02:35

Instrument ID: A3UX8 Calib Start Date: 06/09/2015 01:53

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/09/2015 04:23

Lab File ID: UX88116.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4274	0.4793		0.0224	0.0200	12.1	50.0
1,2-Dichloropropane	Ave	0.3096	0.3095		0.0200	0.0200	-0.0	20.0
1,4-Dioxane	Ave	0.0029	0.0030		0.416	0.400	4.1	50.0
Dibromomethane	Ave	0.1526	0.1486		0.0195	0.0200	-2.6	50.0
Bromodichloromethane	Ave	0.2986	0.3150		0.0211	0.0200	5.5	50.0
2-Chloroethyl vinyl ether	Ave	0.1050	0.0890		0.0339	0.0400	-15.2	50.0
cis-1,3-Dichloropropene	Ave	0.3421	0.3141		0.0184	0.0200	-8.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5241	0.5329		0.0407	0.0400	1.7	50.0
Toluene	Ave	1.369	1.349		0.0197	0.0200	-1.5	20.0
trans-1,3-Dichloropropene	Ave	0.3788	0.2871		0.0152	0.0200	-24.2	50.0
Ethyl methacrylate	Ave	0.3628	0.2666		0.0147	0.0200	-26.5	50.0
1,1,2-Trichloroethane	Ave	0.2776	0.2675		0.0193	0.0200	-3.6	50.0
1,3-Dichloropropane	Ave	0.5284	0.5099		0.0193	0.0200	-3.5	50.0
Tetrachloroethene	Ave	0.2687	0.2706		0.0201	0.0200	0.7	50.0
2-Hexanone	Ave	0.5025	0.4997		0.0398	0.0400	-0.6	50.0
Dibromochloromethane	Qua	0.2259	0.2375		0.0209	0.0200	4.7	50.0
1,2-Dibromoethane	Ave	0.2715	0.2642		0.0195	0.0200	-2.7	50.0
Chlorobenzene	Ave	0.9358	0.8960	0.3000	0.0191	0.0200	-4.3	50.0
1,1,1,2-Tetrachloroethane	Lin1		0.2499		0.0192	0.0200	-3.8	50.0
Ethylbenzene	Ave	0.4928	0.4846		0.0197	0.0200	-1.7	20.0
m-Xylene & p-Xylene	Ave	0.5972	0.5887		0.0197	0.0200	-1.4	50.0
o-Xylene	Ave	0.5837	0.5874		0.0201	0.0200	0.6	50.0
Styrene	Ave	1.001	0.9921		0.0198	0.0200	-0.8	50.0
Bromoform	Qua	0.1412	0.1631	0.1000	0.0227	0.0200	13.5	50.0
Isopropylbenzene	Ave	1.571	1.599		0.0204	0.0200	1.8	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6886	0.7195	0.3000	0.0209	0.0200	4.5	50.0
Bromobenzene	Ave	0.7372	0.6739		0.0183	0.0200	-8.6	50.0
1,2,3-Trichloropropane	Ave	0.2410	0.2339		0.0194	0.0200	-2.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3278	0.2988		0.0182	0.0200	-8.8	50.0
N-Propylbenzene	Ave	0.7803	0.7732		0.0198	0.0200	-0.9	50.0
2-Chlorotoluene	Ave	0.6806	0.6587		0.0194	0.0200	-3.2	50.0
1,3,5-Trimethylbenzene	Ave	2.493	2.510		0.0201	0.0200	0.7	50.0
4-Chlorotoluene	Ave	0.6921	0.6841		0.0198	0.0200	-1.2	50.0
tert-Butylbenzene	Ave	2.200	2.181		0.0198	0.0200	-0.9	50.0
1,2,4-Trimethylbenzene	Ave	2.601	2.618		0.0201	0.0200	0.7	50.0
sec-Butylbenzene	Ave	3.184	3.224		0.0203	0.0200	1.3	50.0
1,3-Dichlorobenzene	Ave	1.472	1.373		0.0187	0.0200	-6.7	50.0
p-Isopropyltoluene	Ave	2.579	2.566		0.0199	0.0200	-0.5	50.0
1,4-Dichlorobenzene	Ave	1.527	1.415		0.0185	0.0200	-7.4	50.0
n-Butylbenzene	Ave	2.426	2.499		0.0206	0.0200	3.0	50.0
1,2-Dichlorobenzene	Ave	1.407	1.362		0.0194	0.0200	-3.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-186444/4 Calibration Date: 06/24/2015 02:35
 Instrument ID: A3UX8 Calib Start Date: 06/09/2015 01:53
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/09/2015 04:23
 Lab File ID: UX88116.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1	0.1109	0.1143		0.0195	0.0200	-2.7	50.0
1,2,4-Trichlorobenzene	Ave	1.037	0.9648		0.0186	0.0200	-6.9	50.0
Hexachlorobutadiene	Ave	0.5651	0.5366		0.0190	0.0200	-5.0	50.0
Naphthalene	Ave	2.279	2.052		0.0180	0.0200	-10.0	50.0
1,2,3-Trichlorobenzene	Ave	0.999	0.8955		0.0179	0.0200	-10.4	50.0
Dibromofluoromethane (Surr)	Lin1		0.2361		0.0504	0.0500	0.8	50.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.3688		0.0487	0.0500	-2.5	50.0
Toluene-d8 (Surr)	Lin1		1.142		0.0495	0.0500	-1.1	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.4455		0.0483	0.0500	-3.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCV 240-186444/5 Calibration Date: 06/24/2015 02:57
Instrument ID: A3UX8 Calib Start Date: 11/11/2014 07:28
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 11/11/2014 09:14
Lab File ID: UX88117.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Qua		0.1998			0.0400		50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab Sample ID: CCV 240-186444/5 Calibration Date: 06/24/2015 02:57
 Instrument ID: A3UX8 Calib Start Date: 06/06/2015 03:26
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/06/2015 05:12
 Lab File ID: UX88117.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0643	0.0654		0.203	0.200	1.7	50.0
Diisopropyl ether	Ave	0.2387	0.2250		0.0188	0.0200	-5.8	50.0
2-Chloro-1,3-butadiene	Ave	0.6883	0.6929		0.0201	0.0200	0.7	50.0
Ethyl-t-butyl ether (ETBE)	Ave	1.117	0.8159		0.0146	0.0200	-27.0	50.0
Ethyl acetate	Ave	0.0911	0.0938		0.0412	0.0400	2.9	50.0
Propionitrile	Ave	0.0646	0.0648		0.200	0.200	0.2	50.0
Methacrylonitrile	Ave	0.3091	0.3214		0.208	0.200	4.0	50.0
Tert-amyl methyl ether	Ave	0.7416	0.5409		0.0146	0.0200	-27.1	50.0
n-Butanol	Lin1		0.0046		0.519	0.500	3.8	50.0
Ethyl acrylate	Ave	0.3484	0.3570		0.0205	0.0200	2.5	50.0
Methyl methacrylate	Ave	0.3419	0.3711		0.0434	0.0400	8.5	50.0
2-Nitropropane	Qua		0.0707		0.0672	0.0400	67.9*	50.0
n-Butyl acetate	Qua		0.1503		1.00	0.0200	12.2	50.0
1-Chlorohexane	Ave	0.4053	0.3691		0.0182	0.0200	-8.9	50.0
Cyclohexanone	Ave	0.0186	0.0130		0.139	0.200	-30.3	50.0
1,2,3-Trimethylbenzene	Ave	2.695	2.541		0.0189	0.0200	-5.7	50.0
Benzyl chloride	Qua		0.0543		0.0149	0.0200	-25.7	50.0
1,3,5-Trichlorobenzene	Ave	1.087	0.995		0.0183	0.0200	-8.4	50.0
2-Methylnaphthalene	Ave	1.507	0.8933		0.0237	0.0400	-40.7	50.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 240-186440/1-A

Matrix: Solid Lab File ID: UX88125.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5.00(g) Date Analyzed: 06/24/2015 05:47

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: _____ Level: (low/med) Medium

Analysis Batch No.: 186444 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	49	U	250	49
71-55-6	1,1,1-Trichloroethane	42	U	250	42
79-34-5	1,1,2,2-Tetrachloroethane	43	U	250	43
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	42	U	250	42
75-34-3	1,1-Dichloroethane	35	U	250	35
75-35-4	1,1-Dichloroethene	30	U	250	30
563-58-6	1,1-Dichloropropene	38	U	250	38
87-61-6	1,2,3-Trichlorobenzene	39	U	250	39
96-18-4	1,2,3-Trichloropropane	100	U	250	100
526-73-8	1,2,3-Trimethylbenzene	13	U	250	13
120-82-1	1,2,4-Trichlorobenzene	30	U	250	30
95-63-6	1,2,4-Trimethylbenzene	13	U	250	13
96-12-8	1,2-Dibromo-3-Chloropropane	71	U	500	71
95-50-1	1,2-Dichlorobenzene	19	U	250	19
107-06-2	1,2-Dichloroethane	53	U	250	53
78-87-5	1,2-Dichloropropane	32	U	250	32
541-73-1	1,3-Dichlorobenzene	30	U	250	30
142-28-9	1,3-Dichloropropane	23	U	250	23
106-46-7	1,4-Dichlorobenzene	41	U	250	41
594-20-7	2,2-Dichloropropane	52	U	250	52
110-75-8	2-Chloroethyl vinyl ether	78	U	1000	78
95-49-8	2-Chlorotoluene	41	U	250	41
591-78-6	2-Hexanone	84	U	1000	84
108-86-1	Bromobenzene	13	U	250	13
74-97-5	Bromochloromethane	70	U	250	70
106-43-4	4-Chlorotoluene	26	U	250	26
99-87-6	p-Isopropyltoluene	25	U	250	25
67-64-1	Acetone	230	U	1000	230
71-43-2	Benzene	9.0	U	250	9.0
75-25-2	Bromoform	61	U	250	61
74-83-9	Bromomethane	51	U	250	51
75-15-0	Carbon disulfide	56	U	250	56
56-23-5	Carbon tetrachloride	48	U	250	48
108-90-7	Chlorobenzene	41	U	250	41
75-00-3	Chloroethane	51	U	250	51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-186440/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX88125.D</u>
Analysis Method: <u>8260B</u>	Date Collected: _____
Sample wt/vol: <u>5.00(g)</u>	Date Analyzed: <u>06/24/2015 05:47</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>186444</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	36	U	250	36
74-87-3	Chloromethane	48	U	250	48
156-59-2	cis-1,2-Dichloroethene	38	U	250	38
10061-01-5	cis-1,3-Dichloropropene	22	U	250	22
87-68-3	Hexachlorobutadiene	44	U	250	44
74-95-3	Dibromomethane	50	U	250	50
75-27-4	Bromodichloromethane	38	U	250	38
75-71-8	Dichlorodifluoromethane	61	U	250	61
100-41-4	Ethylbenzene	35	U	250	35
106-93-4	1,2-Dibromoethane	32	U	250	32
108-20-3	Diisopropyl ether	52	U	500	52
91-20-3	Naphthalene	34.1	J	250	26
179601-23-1	m-Xylene & p-Xylene	20	U	250	20
104-51-8	n-Butylbenzene	21	U	250	21
98-82-8	Isopropylbenzene	13	U	250	13
103-65-1	N-Propylbenzene	61	U	250	61
78-93-3	2-Butanone (MEK)	73	U	1000	73
108-10-1	4-Methyl-2-pentanone (MIBK)	56	U	1000	56
135-98-8	sec-Butylbenzene	16	U	250	16
1634-04-4	Methyl tert-butyl ether	30	U	250	30
994-05-8	Tert-amyl methyl ether	42	U	250	42
75-09-2	Methylene Chloride	85	U	250	85
95-47-6	o-Xylene	17	U	250	17
100-42-5	Styrene	27	U	250	27
637-92-3	Ethyl-t-butyl ether (ETBE)	16	U	250	16
98-06-6	tert-Butylbenzene	34	U	250	34
127-18-4	Tetrachloroethene	27	U	250	27
108-88-3	Toluene	10	U	250	10
156-60-5	trans-1,2-Dichloroethene	26	U	250	26
10061-02-6	trans-1,3-Dichloropropene	26	U	250	26
79-01-6	Trichloroethene	39	U	250	39
75-69-4	Trichlorofluoromethane	35	U	250	35
108-05-4	Vinyl acetate	100	U	500	100
75-01-4	Vinyl chloride	56	U	250	56
75-65-0	tert-Butyl alcohol (TBA)	840	U	10000	840
1330-20-7	Xylenes, Total	32	U	500	32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-186440/1-A
 Matrix: Solid Lab File ID: UX88125.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5.00(g) Date Analyzed: 06/24/2015 05:47
 Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
 Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Medium
 Analysis Batch No.: 186444 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	46	U	250	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		39-128
460-00-4	4-Bromofluorobenzene (Surr)	99		26-141
2037-26-5	Toluene-d8 (Surr)	96		33-134
1868-53-7	Dibromofluoromethane (Surr)	92		30-122

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 240-186440/2-A

Matrix: Solid Lab File ID: UX88126.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5.00(g) Date Analyzed: 06/24/2015 06:08

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: _____ Level: (low/med) Medium

Analysis Batch No.: 186444 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	604		250	49
71-55-6	1,1,1-Trichloroethane	794		250	42
79-34-5	1,1,2,2-Tetrachloroethane	918		250	43
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	922		250	42
75-34-3	1,1-Dichloroethane	1010		250	35
75-35-4	1,1-Dichloroethene	861		250	30
563-58-6	1,1-Dichloropropene	1060		250	38
87-61-6	1,2,3-Trichlorobenzene	858		250	39
96-18-4	1,2,3-Trichloropropane	943		250	100
120-82-1	1,2,4-Trichlorobenzene	868		250	30
95-63-6	1,2,4-Trimethylbenzene	961		250	13
96-12-8	1,2-Dibromo-3-Chloropropane	531		500	71
95-50-1	1,2-Dichlorobenzene	982		250	19
107-06-2	1,2-Dichloroethane	1030		250	53
78-87-5	1,2-Dichloropropane	1030		250	32
541-73-1	1,3-Dichlorobenzene	943		250	30
142-28-9	1,3-Dichloropropane	974		250	23
106-46-7	1,4-Dichlorobenzene	913		250	41
594-20-7	2,2-Dichloropropane	590		250	52
110-75-8	2-Chloroethyl vinyl ether	966	J	1000	78
95-49-8	2-Chlorotoluene	968		250	41
591-78-6	2-Hexanone	1810		1000	84
108-86-1	Bromobenzene	926		250	13
74-97-5	Bromochloromethane	1010		250	70
106-43-4	4-Chlorotoluene	951		250	26
99-87-6	p-Isopropyltoluene	986		250	25
67-64-1	Acetone	2000		1000	230
71-43-2	Benzene	1010		250	9.0
75-25-2	Bromoform	628		250	61
74-83-9	Bromomethane	861		250	51
75-15-0	Carbon disulfide	793		250	56
56-23-5	Carbon tetrachloride	621		250	48
108-90-7	Chlorobenzene	968		250	41
75-00-3	Chloroethane	841		250	51
67-66-3	Chloroform	985		250	36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-186440/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX88126.D</u>
Analysis Method: <u>8260B</u>	Date Collected: _____
Sample wt/vol: <u>5.00(g)</u>	Date Analyzed: <u>06/24/2015 06:08</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>186444</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	938		250	48
156-59-2	cis-1,2-Dichloroethene	984		250	38
10061-01-5	cis-1,3-Dichloropropene	777		250	22
87-68-3	Hexachlorobutadiene	938		250	44
74-95-3	Dibromomethane	986		250	50
75-27-4	Bromodichloromethane	785		250	38
75-71-8	Dichlorodifluoromethane	689		250	61
100-41-4	Ethylbenzene	977		250	35
106-93-4	1,2-Dibromoethane	868		250	32
91-20-3	Naphthalene	797		250	26
179601-23-1	m-Xylene & p-Xylene	972		250	20
104-51-8	n-Butylbenzene	977		250	21
98-82-8	Isopropylbenzene	972		250	13
103-65-1	N-Propylbenzene	975		250	61
78-93-3	2-Butanone (MEK)	1860		1000	73
108-10-1	4-Methyl-2-pentanone (MIBK)	1950		1000	56
135-98-8	sec-Butylbenzene	995		250	16
1634-04-4	Methyl tert-butyl ether	1020		250	30
75-09-2	Methylene Chloride	1140		250	85
95-47-6	o-Xylene	1020		250	17
100-42-5	Styrene	943		250	27
98-06-6	tert-Butylbenzene	975		250	34
127-18-4	Tetrachloroethene	923		250	27
108-88-3	Toluene	984		250	10
156-60-5	trans-1,2-Dichloroethene	991		250	26
10061-02-6	trans-1,3-Dichloropropene	661		250	26
79-01-6	Trichloroethene	949		250	39
75-69-4	Trichlorofluoromethane	868		250	35
108-05-4	Vinyl acetate	868		500	100
75-01-4	Vinyl chloride	932		250	56
75-65-0	tert-Butyl alcohol (TBA)	7410	J	10000	840
1330-20-7	Xylenes, Total	1990		500	32
124-48-1	Dibromochloromethane	710		250	46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-186440/2-A
Matrix: Solid Lab File ID: UX88126.D
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5.00(g) Date Analyzed: 06/24/2015 06:08
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)
% Moisture: _____ Level: (low/med) Medium
Analysis Batch No.: 186444 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		39-128
460-00-4	4-Bromofluorobenzene (Surr)	104		26-141
2037-26-5	Toluene-d8 (Surr)	101		33-134
1868-53-7	Dibromofluoromethane (Surr)	101		30-122

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MS</u>	Lab Sample ID: <u>240-52297-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX88134.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>06/22/2015 11:00</u>
Sample wt/vol: <u>5.91(g)</u>	Date Analyzed: <u>06/24/2015 08:58</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: <u>20.2</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>186444</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	381		270	52
71-55-6	1,1,1-Trichloroethane	587		270	45
79-34-5	1,1,2,2-Tetrachloroethane	780		270	46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	758		270	45
75-34-3	1,1-Dichloroethane	918		270	37
75-35-4	1,1-Dichloroethene	790		270	32
563-58-6	1,1-Dichloropropene	926		270	40
87-61-6	1,2,3-Trichlorobenzene	766		270	41
96-18-4	1,2,3-Trichloropropane	914		270	110
120-82-1	1,2,4-Trichlorobenzene	792		270	32
95-63-6	1,2,4-Trimethylbenzene	933		270	14
96-12-8	1,2-Dibromo-3-Chloropropane	416	J	530	75
95-50-1	1,2-Dichlorobenzene	896		270	20
107-06-2	1,2-Dichloroethane	941		270	56
78-87-5	1,2-Dichloropropane	969		270	34
541-73-1	1,3-Dichlorobenzene	843		270	32
142-28-9	1,3-Dichloropropane	934		270	24
106-46-7	1,4-Dichlorobenzene	842		270	43
594-20-7	2,2-Dichloropropane	478		270	55
110-75-8	2-Chloroethyl vinyl ether	921	J	1100	83
95-49-8	2-Chlorotoluene	874		270	43
591-78-6	2-Hexanone	1710		1100	89
108-86-1	Bromobenzene	885		270	14
74-97-5	Bromochloromethane	919		270	74
106-43-4	4-Chlorotoluene	863		270	28
99-87-6	p-Isopropyltoluene	896		270	27
67-64-1	Acetone	1630		1100	240
71-43-2	Benzene	932		270	9.5
75-25-2	Bromoform	455		270	65
74-83-9	Bromomethane	659		270	54
75-15-0	Carbon disulfide	621		270	59
56-23-5	Carbon tetrachloride	383		270	51
108-90-7	Chlorobenzene	893		270	43
75-00-3	Chloroethane	748		270	54
67-66-3	Chloroform	896		270	38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MS</u>	Lab Sample ID: <u>240-52297-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX88134.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>06/22/2015 11:00</u>
Sample wt/vol: <u>5.91(g)</u>	Date Analyzed: <u>06/24/2015 08:58</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: <u>20.2</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>186444</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	745		270	51
156-59-2	cis-1,2-Dichloroethene	900		270	40
10061-01-5	cis-1,3-Dichloropropene	597		270	23
87-68-3	Hexachlorobutadiene	855		270	47
74-95-3	Dibromomethane	923		270	53
75-27-4	Bromodichloromethane	526		270	40
75-71-8	Dichlorodifluoromethane	393		270	65
100-41-4	Ethylbenzene	908		270	37
106-93-4	1,2-Dibromoethane	700		270	34
91-20-3	Naphthalene	2390		270	28
179601-23-1	m-Xylene & p-Xylene	917		270	21
104-51-8	n-Butylbenzene	884		270	22
98-82-8	Isopropylbenzene	928		270	14
103-65-1	N-Propylbenzene	888		270	65
78-93-3	2-Butanone (MEK)	1760		1100	77
108-10-1	4-Methyl-2-pentanone (MIBK)	1850		1100	59
135-98-8	sec-Butylbenzene	939		270	17
1634-04-4	Methyl tert-butyl ether	960		270	32
75-09-2	Methylene Chloride	1040		270	90
95-47-6	o-Xylene	948		270	18
100-42-5	Styrene	862		270	29
98-06-6	tert-Butylbenzene	899		270	36
127-18-4	Tetrachloroethene	834		270	29
108-88-3	Toluene	915		270	11
156-60-5	trans-1,2-Dichloroethene	866		270	28
10061-02-6	trans-1,3-Dichloropropene	480		270	28
79-01-6	Trichloroethene	895		270	41
75-69-4	Trichlorofluoromethane	675		270	37
108-05-4	Vinyl acetate	680		530	110
75-01-4	Vinyl chloride	712		270	59
75-65-0	tert-Butyl alcohol (TBA)	6780	J	11000	890
1330-20-7	Xylenes, Total	1870		530	34
124-48-1	Dibromochloromethane	466		270	49

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Client Sample ID: MRC-DPAN-062215 MS Lab Sample ID: 240-52297-1 MS
Matrix: Solid Lab File ID: UX88134.D
Analysis Method: 8260B Date Collected: 06/22/2015 11:00
Sample wt/vol: 5.91(g) Date Analyzed: 06/24/2015 08:58
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 20.2 Level: (low/med) Medium
Analysis Batch No.: 186444 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		39-128
460-00-4	4-Bromofluorobenzene (Surr)	87		26-141
2037-26-5	Toluene-d8 (Surr)	86		33-134
1868-53-7	Dibromofluoromethane (Surr)	83		30-122

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MSD</u>	Lab Sample ID: <u>240-52297-1 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX88135.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>06/22/2015 11:00</u>
Sample wt/vol: <u>5.29(g)</u>	Date Analyzed: <u>06/24/2015 09:19</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: <u>20.2</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>186444</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	465		300	58
71-55-6	1,1,1-Trichloroethane	656		300	50
79-34-5	1,1,2,2-Tetrachloroethane	839		300	51
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	791		300	50
75-34-3	1,1-Dichloroethane	964		300	41
75-35-4	1,1-Dichloroethene	836		300	36
563-58-6	1,1-Dichloropropene	1020		300	45
87-61-6	1,2,3-Trichlorobenzene	830		300	46
96-18-4	1,2,3-Trichloropropane	906		300	120
120-82-1	1,2,4-Trichlorobenzene	820		300	36
95-63-6	1,2,4-Trimethylbenzene	971		300	15
96-12-8	1,2-Dibromo-3-Chloropropane	469	J	590	84
95-50-1	1,2-Dichlorobenzene	960		300	23
107-06-2	1,2-Dichloroethane	1030		300	63
78-87-5	1,2-Dichloropropane	1020		300	38
541-73-1	1,3-Dichlorobenzene	915		300	36
142-28-9	1,3-Dichloropropane	969		300	27
106-46-7	1,4-Dichlorobenzene	918		300	49
594-20-7	2,2-Dichloropropane	602		300	62
110-75-8	2-Chloroethyl vinyl ether	914	J	1200	92
95-49-8	2-Chlorotoluene	955		300	49
591-78-6	2-Hexanone	1820		1200	100
108-86-1	Bromobenzene	941		300	15
74-97-5	Bromochloromethane	995		300	83
106-43-4	4-Chlorotoluene	935		300	31
99-87-6	p-Isopropyltoluene	945		300	30
67-64-1	Acetone	1700		1200	270
71-43-2	Benzene	992		300	11
75-25-2	Bromoform	517		300	72
74-83-9	Bromomethane	734		300	60
75-15-0	Carbon disulfide	680		300	66
56-23-5	Carbon tetrachloride	451		300	57
108-90-7	Chlorobenzene	945		300	49
75-00-3	Chloroethane	816		300	60
67-66-3	Chloroform	956		300	43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MSD</u>	Lab Sample ID: <u>240-52297-1 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>UX88135.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>06/22/2015 11:00</u>
Sample wt/vol: <u>5.29(g)</u>	Date Analyzed: <u>06/24/2015 09:19</u>
Soil Aliquot Vol: <u>100 (uL)</u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u>5(mL)</u>	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: <u>20.2</u>	Level: (low/med) <u>Medium</u>
Analysis Batch No.: <u>186444</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	818		300	57
156-59-2	cis-1,2-Dichloroethene	1000		300	45
10061-01-5	cis-1,3-Dichloropropene	688		300	26
87-68-3	Hexachlorobutadiene	880		300	52
74-95-3	Dibromomethane	934		300	59
75-27-4	Bromodichloromethane	629		300	45
75-71-8	Dichlorodifluoromethane	453		300	72
100-41-4	Ethylbenzene	967		300	41
106-93-4	1,2-Dibromoethane	802		300	38
91-20-3	Naphthalene	2170		300	31
179601-23-1	m-Xylene & p-Xylene	955		300	24
104-51-8	n-Butylbenzene	925		300	25
98-82-8	Isopropylbenzene	946		300	15
103-65-1	N-Propylbenzene	924		300	72
78-93-3	2-Butanone (MEK)	1890		1200	87
108-10-1	4-Methyl-2-pentanone (MIBK)	1910		1200	66
135-98-8	sec-Butylbenzene	984		300	19
1634-04-4	Methyl tert-butyl ether	1010		300	36
75-09-2	Methylene Chloride	1120		300	100
95-47-6	o-Xylene	1040		300	20
100-42-5	Styrene	917		300	32
98-06-6	tert-Butylbenzene	976		300	40
127-18-4	Tetrachloroethene	889		300	32
108-88-3	Toluene	981		300	12
156-60-5	trans-1,2-Dichloroethene	925		300	31
10061-02-6	trans-1,3-Dichloropropene	571		300	31
79-01-6	Trichloroethene	938		300	46
75-69-4	Trichlorofluoromethane	714		300	41
108-05-4	Vinyl acetate	799		590	120
75-01-4	Vinyl chloride	818		300	66
75-65-0	tert-Butyl alcohol (TBA)	7240	J	12000	990
1330-20-7	Xylenes, Total	2000		590	38
124-48-1	Dibromochloromethane	569		300	55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Client Sample ID: MRC-DPAN-062215 MSD Lab Sample ID: 240-52297-1 MSD
Matrix: Solid Lab File ID: UX88135.D
Analysis Method: 8260B Date Collected: 06/22/2015 11:00
Sample wt/vol: 5.29(g) Date Analyzed: 06/24/2015 09:19
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5 (mL) GC Column: DB-624 ID: 0.18 (mm)
% Moisture: 20.2 Level: (low/med) Medium
Analysis Batch No.: 186444 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		39-128
460-00-4	4-Bromofluorobenzene (Surr)	86		26-141
2037-26-5	Toluene-d8 (Surr)	85		33-134
1868-53-7	Dibromofluoromethane (Surr)	82		30-122

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A3UX8 Start Date: 06/06/2015 02:22Analysis Batch Number: 184004 End Date: 06/06/2015 06:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-184004/1		06/06/2015 02:22	1	BFB8824.D	DB-624 0.18 (mm)
STDA9 240-184004/4 IC		06/06/2015 03:26	1	UX87966.D	DB-624 0.18 (mm)
STDA9 240-184004/5 IC		06/06/2015 03:47	1	UX87967.D	DB-624 0.18 (mm)
STDA9 240-184004/6 IC		06/06/2015 04:08	1	UX87968.D	DB-624 0.18 (mm)
STDA9 240-184004/7 IC		06/06/2015 04:30	1	UX87969.D	DB-624 0.18 (mm)
STDA9 240-184004/8 IC		06/06/2015 04:51	1	UX87970.D	DB-624 0.18 (mm)
STDA9 240-184004/9 IC		06/06/2015 05:12	1	UX87971.D	DB-624 0.18 (mm)
ICV 240-184004/11		06/06/2015 05:54	1		DB-624 0.18 (mm)
ZZZZZ		06/06/2015 06:58	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A3UX8 Start Date: 06/09/2015 01:06Analysis Batch Number: 184260 End Date: 06/09/2015 05:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-184260/1		06/09/2015 01:06	1	BFB8825.D	DB-624 0.18 (mm)
STD8260 240-184260/3 IC		06/09/2015 01:53	1	UX87979.D	DB-624 0.18 (mm)
STD8260 240-184260/4 IC		06/09/2015 02:14	1	UX87980.D	DB-624 0.18 (mm)
STD8260 240-184260/5 IC		06/09/2015 02:36	1	UX87981.D	DB-624 0.18 (mm)
ICIS 240-184260/6		06/09/2015 02:58	1	UX87982.D	DB-624 0.18 (mm)
STD8260 240-184260/7 IC		06/09/2015 03:19	1	UX87983.D	DB-624 0.18 (mm)
STD8260 240-184260/8 IC		06/09/2015 03:40	1	UX87984.D	DB-624 0.18 (mm)
STD8260 240-184260/9 IC		06/09/2015 04:02	1	UX87985.D	DB-624 0.18 (mm)
STD8260 240-184260/10 IC		06/09/2015 04:23	1	UX87986.D	DB-624 0.18 (mm)
ICV 240-184260/11		06/09/2015 04:45	1	UX87987.D	DB-624 0.18 (mm)
ZZZZZ		06/09/2015 05:50	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A3UX8 Start Date: 06/24/2015 02:03Analysis Batch Number: 186444 End Date: 06/24/2015 09:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-186444/1		06/24/2015 02:03	1	BFB8832.D	DB-624 0.18 (mm)
CCVIS 240-186444/4		06/24/2015 02:35	1	UX88116.D	DB-624 0.18 (mm)
CCV 240-186444/5		06/24/2015 02:57	1	UX88117.D	DB-624 0.18 (mm)
ZZZZZ		06/24/2015 03:18	1		DB-624 0.18 (mm)
ZZZZZ		06/24/2015 04:01	1		DB-624 0.18 (mm)
ZZZZZ		06/24/2015 04:22	1		DB-624 0.18 (mm)
ZZZZZ		06/24/2015 04:43	1		DB-624 0.18 (mm)
ZZZZZ		06/24/2015 05:05	1		DB-624 0.18 (mm)
ZZZZZ		06/24/2015 05:26	1		DB-624 0.18 (mm)
MB 240-186440/1-A		06/24/2015 05:47	1	UX88125.D	DB-624 0.18 (mm)
LCS 240-186440/2-A		06/24/2015 06:08	1	UX88126.D	DB-624 0.18 (mm)
ZZZZZ		06/24/2015 06:30	33.333		DB-624 0.18 (mm)
ZZZZZ		06/24/2015 06:51	11.111		DB-624 0.18 (mm)
ZZZZZ		06/24/2015 07:12	16.667		DB-624 0.18 (mm)
240-52297-1	MRC-DPAN-062215	06/24/2015 08:37	1	UX88133.D	DB-624 0.18 (mm)
240-52297-1 MS	MRC-DPAN-062215 MS	06/24/2015 08:58	1	UX88134.D	DB-624 0.18 (mm)
240-52297-1 MSD	MRC-DPAN-062215 MSD	06/24/2015 09:19	1	UX88135.D	DB-624 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Batch Number: 186440 Batch Start Date: 06/23/15 20:10 Batch Analyst: Mancine, LouisBatch Method: 5030B Batch End Date: 06/23/15 21:32

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	VMENCORESS 00302	VMENFASA 00141	VMENFASG 00149	VMENFASP 00145
MB 240-186440/1		5030B, 8260B		5.00 g	5 mL	5 uL			
LCS 240-186440/2		5030B, 8260B		5.00 g	5 mL	5 uL	100 uL	100 uL	100 uL
240-52297-B-1	MRC-DPAN-062215	5030B, 8260B	T	5.31 g	5 mL	5 uL			
240-52297-B-1 MS	MRC-DPAN-062215	5030B, 8260B	T	5.91 g	5 mL	5 uL	100 uL	100 uL	100 uL
240-52297-B-1 MSD	MRC-DPAN-062215	5030B, 8260B	T	5.29 g	5 mL	5 uL	100 uL	100 uL	100 uL

Batch Notes	
Balance ID	B035
Batch Comment	47398,52443
Methanol Lot Number	+161620000085233JB
Blank Sand Lot #	146621

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270D

Semivolatile Organic Compounds
(GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
MRC-DPAN-062215	240-52297-1	70	76	65	73	43	76
	MB 240-186497/5-A	80	86	85	83	56	95
	LCS 240-186497/6-A	73	78	71	74	68	83
MRC-DPAN-062215 MS	240-52297-1 MS	75	75	73	74	62	69
MRC-DPAN-062215 MSD	240-52297-1 MSD	77	83	76	76	59	75

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol (Surr)	24-110
PHL = Phenol-d5 (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	20-110
FBP = 2-Fluorobiphenyl (Surr)	24-110
TBP = 2,4,6-Tribromophenol (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	36-110

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: 50626004.D
 Lab ID: LCS 240-186497/6-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	667	480	72	35-110	
bis (2-chloroisopropyl) ether	667	498	75	29-110	
2,4,5-Trichlorophenol	667	383	57	25-110	
2,4,6-Trichlorophenol	667	415	62	12-110	
2,4-Dichlorophenol	667	481	72	39-110	
2,4-Dimethylphenol	667	415	62	29-110	
2,4-Dinitrophenol	1330	899	67	10-110	
2,4-Dinitrotoluene	667	556	83	48-110	
2,6-Dinitrotoluene	667	551	83	45-110	
2-Chloronaphthalene	667	477	71	32-110	
2-Chlorophenol	667	457	69	37-110	
2-Methylnaphthalene	667	468	70	36-110	
2-Methylphenol	667	484	73	41-110	
2-Nitroaniline	667	584	88	45-110	
2-Nitrophenol	667	470	71	34-110	
3,3'-Dichlorobenzidine	1330	1020	76	28-110	
3-Nitroaniline	667	556	83	44-110	
4,6-Dinitro-2-methylphenol	1330	1020	76	10-110	
4-Bromophenyl phenyl ether	667	505	76	39-110	
4-Chloro-3-methylphenol	667	522	78	48-110	
4-Chloroaniline	667	461	69	30-110	
4-Chlorophenyl phenyl ether	667	496	74	40-110	
4-Nitroaniline	667	562	84	48-110	
4-Nitrophenol	1330	880	66	28-110	
Acenaphthene	667	496	74	38-110	
Acenaphthylene	667	493	74	40-110	
Acetophenone	667	481	72	40-110	
Anthracene	667	535	80	48-110	
Atrazine	1330	1260	94	66-127	
Benzaldehyde	1330	940	70	32-110	
Benzo[a]anthracene	667	521	78	50-110	
Benzo[a]pyrene	667	542	81	44-110	
Benzo[b]fluoranthene	667	563	84	43-110	
Benzo[g,h,i]perylene	667	602	90	51-110	
Benzo[k]fluoranthene	667	536	80	38-105	
Bis (2-chloroethoxy) methane	667	489	73	32-110	
Bis (2-chloroethyl) ether	667	451	68	34-110	
Bis (2-ethylhexyl) phthalate	667	620	93	50-110	
Butyl benzyl phthalate	667	577	87	51-110	
Caprolactam	1330	1250	94	44-114	
Carbazole	667	601	90	50-110	
Chrysene	667	557	83	50-110	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: 50626004.D
 Lab ID: LCS 240-186497/6-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dibenz (a,h) anthracene	667	587	88	51-110	
Dibenzofuran	667	495	74	43-110	
Diethyl phthalate	667	525	79	52-110	
Dimethyl phthalate	667	530	79	50-110	
Di-n-butyl phthalate	667	651	98	51-110	
Di-n-octyl phthalate	667	592	89	48-110	
Fluoranthene	667	592	89	51-110	
Fluorene	667	502	75	46-110	
Hexachlorobenzene	667	460	69	43-110	
Hexachlorobutadiene	667	398	60	29-110	
Hexachlorocyclopentadiene	667	188 J	28	12-110	
Hexachloroethane	667	387	58	30-110	
Indeno[1,2,3-cd]pyrene	667	583	87	50-110	
Isophorone	667	499	75	36-110	
N-Nitrosodi-n-propylamine	667	512	77	38-110	
N-Nitrosodiphenylamine	1330	1040	78	46-110	
Naphthalene	667	446	67	36-110	
Nitrobenzene	667	452	68	32-110	
Pentachlorophenol	1330	782	59	10-110	
Phenanthrene	667	527	79	49-110	
Phenol	667	489	73	38-110	
Pyrene	667	600	90	49-110	
3 & 4 Methylphenol	667	520	78	40-110	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: 50626008.D

Lab ID: 240-52297-1 MS

Client ID: MRC-DPAN-062215 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	833	25 U	617	71	32-110	
bis (2-chloroisopropyl) ether	833	24 U	646	78	11-110	
2,4,5-Trichlorophenol	833	63 U	529	64	10-117	
2,4,6-Trichlorophenol	833	22 U	519	62	10-110	
2,4-Dichlorophenol	833	50 U	586	70	10-110	
2,4-Dimethylphenol	833	50 U	573	69	10-110	
2,4-Dinitrophenol	1670	53 U	720 U	43	10-110	
2,4-Dinitrotoluene	833	43 U	620	74	32-110	
2,6-Dinitrotoluene	833	53 U	622	75	35-110	
2-Chloronaphthalene	833	1.1 U	588	71	28-110	
2-Chlorophenol	833	21 U	569	68	10-110	
2-Methylnaphthalene	833	75	670	71	10-133	
2-Methylphenol	833	28 U	643	77	24-110	
2-Nitroaniline	833	23 U	655	79	39-110	
2-Nitrophenol	833	21 U	608	73	10-110	
3,3'-Dichlorobenzidine	1670	45 U	722	43	10-110	
3-Nitroaniline	833	40 U	515	62	10-110	
4,6-Dinitro-2-methylphenol	1670	23 U	760	46	10-110	
4-Bromophenyl phenyl ether	833	33 U	583	70	33-110	
4-Chloro-3-methylphenol	833	53 U	586	70	25-110	
4-Chloroaniline	833	43 U	453	54	10-110	
4-Chlorophenyl phenyl ether	833	33 U	582	70	32-110	
4-Nitroaniline	833	66 U	548	66	10-110	
4-Nitrophenol	1670	43 U	1250	75	10-113	
Acenaphthene	833	330	899	69	22-110	
Acenaphthylene	833	23	631	73	24-110	
Acetophenone	833	23 U	618	74	31-110	
Anthracene	833	310	930	74	20-110	
Atrazine	1670	23 U	1380	83	45-118	
Benzaldehyde	1670	30 U	1310	78	23-110	
Benzo[a]anthracene	833	830	1430	72	10-122	
Benzo[a]pyrene	833	930	1470	65	10-110	
Benzo[b]fluoranthene	833	1300	1770	51	12-118	
Benzo[g,h,i]perylene	833	690	861	20	10-117	
Benzo[k]fluoranthene	833	540	1120	70	10-121	
Bis (2-chloroethoxy)methane	833	55 U	615	74	26-110	
Bis (2-chloroethyl) ether	833	5.0 U	609	73	21-110	
Bis (2-ethylhexyl) phthalate	833	81 U	690	73	40-110	
Butyl benzyl phthalate	833	25 U	643	77	44-110	
Caprolactam	1670	93 U	1440	87	10-134	
Carbazole	833	290	886	71	34-110	
Chrysene	833	930	1580	79	10-125	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: 50626008.D
 Lab ID: 240-52297-1 MS Client ID: MRC-DPAN-062215 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dibenz (a,h) anthracene	833	190	575	46	14-113	
Dibenzofuran	833	190	723	64	29-110	
Diethyl phthalate	833	40 U	633	76	42-110	
Dimethyl phthalate	833	43 U	621	75	41-110	
Di-n-butyl phthalate	833	38 U	724	87	43-110	
Di-n-octyl phthalate	833	20 U	703	84	24-119	
Fluoranthene	833	1700	2490	89	10-110	
Fluorene	833	230	789	68	23-110	
Hexachlorobenzene	833	5.3 U	475	57	34-110	
Hexachlorobutadiene	833	14 U	541	65	25-110	
Hexachlorocyclopentadiene	833	20 U	20 U	0	10-110	F1
Hexachloroethane	833	23 U	474	57	12-110	
Indeno[1,2,3-cd]pyrene	833	620	883	31	10-114	
Isophorone	833	33 U	640	77	29-110	
N-Nitrosodi-n-propylamine	833	16 U	656	79	26-110	
N-Nitrosodiphenylamine	1670	53 U	1200	72	22-110	
Naphthalene	833	620	1160	64	10-111	
Nitrobenzene	833	5.5 U	609	73	23-110	
Pentachlorophenol	1670	23 U	633	38	10-110	
Phenanthrene	833	1100	1750	80	10-166	
Phenol	833	18 U	610	73	17-110	
Pyrene	833	1500	2290	95	10-147	
3 & 4 Methylphenol	833	50 U	643 U	77	25-110	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Matrix: Solid

Level: Low

Lab File ID: 50626009.D

Lab ID: 240-52297-1 MSD

Client ID: MRC-DPAN-062215 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	838	648	74	5	32	32-110	
bis (2-chloroisopropyl) ether	838	702	84	8	42	11-110	
2,4,5-Trichlorophenol	838	523	62	1	99	10-117	
2,4,6-Trichlorophenol	838	493	59	5	38	10-110	
2,4-Dichlorophenol	838	633	76	8	34	10-110	
2,4-Dimethylphenol	838	639	76	11	31	10-110	
2,4-Dinitrophenol	1680	418 J	25	53	99	10-110	
2,4-Dinitrotoluene	838	685	82	10	30	32-110	
2,6-Dinitrotoluene	838	694	83	11	30	35-110	
2-Chloronaphthalene	838	636	76	8	30	28-110	
2-Chlorophenol	838	624	75	9	47	10-110	
2-Methylnaphthalene	838	701	75	4	42	10-133	
2-Methylphenol	838	704	84	9	51	24-110	
2-Nitroaniline	838	707	84	8	31	39-110	
2-Nitrophenol	838	608	73	0	49	10-110	
3,3'-Dichlorobenzidine	1680	1050	62	37	56	10-110	
3-Nitroaniline	838	625	75	19	30	10-110	
4,6-Dinitro-2-methylphenol	1680	451	27	51	55	10-110	
4-Bromophenyl phenyl ether	838	648	77	11	30	33-110	
4-Chloro-3-methylphenol	838	674	80	14	54	25-110	
4-Chloroaniline	838	508	61	11	36	10-110	
4-Chlorophenyl phenyl ether	838	647	77	10	30	32-110	
4-Nitroaniline	838	674	80	21	48	10-110	
4-Nitrophenol	1680	1290	77	3	49	10-113	
Acenaphthene	838	810	58	10	99	22-110	
Acenaphthylene	838	682	79	8	99	24-110	
Acetophenone	838	666	80	7	43	31-110	
Anthracene	838	866	66	7	99	20-110	
Atrazine	1680	1550	92	11	30	45-118	
Benzaldehyde	1680	1410	84	7	42	23-110	
Benzo[a]anthracene	838	1540	85	7	99	10-122	
Benzo[a]pyrene	838	1520	70	3	99	10-110	
Benzo[b]fluoranthene	838	1720	45	3	99	12-118	
Benzo[g,h,i]perylene	838	897	24	4	99	10-117	
Benzo[k]fluoranthene	838	1160	73	3	99	10-121	
Bis (2-chloroethoxy)methane	838	652	78	6	37	26-110	
Bis (2-chloroethyl) ether	838	660	79	8	55	21-110	
Bis (2-ethylhexyl) phthalate	838	758	81	9	30	40-110	
Butyl benzyl phthalate	838	699	83	8	30	44-110	
Caprolactam	1680	1640	98	13	32	10-134	
Carbazole	838	853	67	4	30	34-110	
Chrysene	838	1740	96	9	99	10-125	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: 50626009.D
 Lab ID: 240-52297-1 MSD Client ID: MRC-DPAN-062215 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Dibenz (a,h) anthracene	838	651	55	12	99	14-113	
Dibenzofuran	838	703	61	3	30	29-110	
Diethyl phthalate	838	699	84	10	30	42-110	
Dimethyl phthalate	838	658	79	6	30	41-110	
Di-n-butyl phthalate	838	798	95	10	30	43-110	
Di-n-octyl phthalate	838	758	90	7	30	24-119	
Fluoranthene	838	2380	76	4	99	10-110	
Fluorene	838	744	62	6	99	23-110	
Hexachlorobenzene	838	538	64	12	30	34-110	
Hexachlorobutadiene	838	575	69	6	34	25-110	
Hexachlorocyclopentadiene	838	20 U	0	NC	79	10-110	F1
Hexachloroethane	838	490	59	3	50	12-110	
Indeno[1,2,3-cd]pyrene	838	929	37	5	99	10-114	
Isophorone	838	690	82	8	38	29-110	
N-Nitrosodi-n-propylamine	838	704	84	7	42	26-110	
N-Nitrosodiphenylamine	1680	1320	79	10	30	22-110	
Naphthalene	838	1160	64	0	99	10-111	
Nitrobenzene	838	641	76	5	41	23-110	
Pentachlorophenol	1680	617	37	2	50	10-110	
Phenanthrene	838	1450	43	19	99	10-166	
Phenol	838	673	80	10	53	17-110	
Pyrene	838	2490	118	8	99	10-147	
3 & 4 Methylphenol	838	727 J	87	12	50	25-110	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab File ID: 50626003.D Lab Sample ID: MB 240-186497/5-A
Matrix: Solid Date Extracted: 06/24/2015 09:22
Instrument ID: A4HP7 Date Analyzed: 06/26/2015 11:00
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-186497/6-A	50626004.D	06/26/2015 11:25
MRC-DPAN-062215	240-52297-1	50626007.D	06/26/2015 12:40
MRC-DPAN-062215 MS	240-52297-1 MS	50626008.D	06/26/2015 13:05
MRC-DPAN-062215 MSD	240-52297-1 MSD	50626009.D	06/26/2015 13:30

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab File ID: 50616001.D DFTPP Injection Date: 06/16/2015
Instrument ID: A4HP7 DFTPP Injection Time: 14:23
Analysis Batch No.: 185312

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0- 80.0% of mass 198	42.2
68	Less than 2.0% of mass 69	0.7 (1.6)1
69	Mass 69 relative abundance	40.0
70	Less than 2.0% of mass 69	0.5 (1.3)1
127	25.0 - 75.0% of mass 198	50.8
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0- 30.0% of mass 198	24.3
365	Greater than 0.75% of mass 198	2.8
441	Present, but less than mass 443	13.2
442	40.0 - 110.0% of mass 198	86.5
443	15.0 - 24.0% of mass 442	17.6 (20.3)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-185312/2	50616002.D	06/16/2015	14:47
	STD4 240-185312/3	50616003.D	06/16/2015	15:12
	STD3 240-185312/4	50616004.D	06/16/2015	15:37
	STD2 240-185312/5	50616005.D	06/16/2015	16:02
	STD1 240-185312/6	50616006.D	06/16/2015	16:28
	STD9 240-185312/7	50616007.D	06/16/2015	16:53
	STD8 240-185312/8	50616008.D	06/16/2015	17:18
	STD7 240-185312/9	50616009.D	06/16/2015	17:43
	STD6 240-185312/10	50616010.D	06/16/2015	18:08
	ICV 240-185312/11	50616011.D	06/16/2015	18:33

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab File ID: 50626001.D DFTPP Injection Date: 06/26/2015
Instrument ID: A4HP7 DFTPP Injection Time: 10:08
Analysis Batch No.: 186915

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0- 80.0% of mass 198	40.8
68	Less than 2.0% of mass 69	0.6 (1.5)1
69	Mass 69 relative abundance	39.1
70	Less than 2.0% of mass 69	0.3 (0.7)1
127	25.0 - 75.0% of mass 198	49.8
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0- 30.0% of mass 198	25.0
365	Greater than 0.75% of mass 198	3.0
441	Present, but less than mass 443	16.1
442	40.0 - 110.0% of mass 198	106.2
443	15.0 - 24.0% of mass 442	20.1 (18.9)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-186915/2	50626002.D	06/26/2015	10:33
	MB 240-186497/5-A	50626003.D	06/26/2015	11:00
	LCS 240-186497/6-A	50626004.D	06/26/2015	11:25
MRC-DPAN-062215	240-52297-1	50626007.D	06/26/2015	12:40
MRC-DPAN-062215 MS	240-52297-1 MS	50626008.D	06/26/2015	13:05
MRC-DPAN-062215 MSD	240-52297-1 MSD	50626009.D	06/26/2015	13:30

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: STD6 240-185312/10 Date Analyzed: 06/16/2015 18:08
 Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm)
 Lab File ID (Standard): 50616010.D Heated Purge: (Y/N) N
 Calibration ID: 28939

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		233565	6.29	916394	7.40	520035	8.87
UPPER LIMIT		467130	6.79	1832788	7.90	1040070	9.37
LOWER LIMIT		116783	5.79	458197	6.90	260018	8.37
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-185312/11		257605	6.29	995437	7.40	574040	8.87
CCV 240-186915/2		177883	6.15	699731	7.26	391308	8.73
CCVIS							

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: STD6 240-185312/10 Date Analyzed: 06/16/2015 18:08
 Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm)
 Lab File ID (Standard): 50616010.D Heated Purge: (Y/N) N
 Calibration ID: 28939

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	747250	10.10	983668	12.56	890885	14.47
UPPER LIMIT	1494500	10.60	1967336	13.06	1781770	14.97
LOWER LIMIT	373625	9.60	491834	12.06	445443	13.97
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 240-185312/11		852547 10.10	1102573 12.57		987604 14.48	
CCV 240-186915/2 CCVIS		652465 9.96	751771 12.36		647164 14.21	

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: CCV 240-186915/2 Date Analyzed: 06/26/2015 10:33
 Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm)
 Lab File ID (Standard): 50626002.D Heated Purge: (Y/N) N
 Calibration ID: 28939

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		177883	6.15	699731	7.26	391308	8.73
UPPER LIMIT		355766	6.65	1399462	7.76	782616	9.23
LOWER LIMIT		88942	5.65	349866	6.76	195654	8.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 240-186497/5-A		146279	6.15	599294	7.26	324974	8.73
LCS 240-186497/6-A		155167	6.15	627283	7.26	351270	8.73
240-52297-1	MRC-DPAN-062215	167798	6.15	676546	7.26	377293	8.73
240-52297-1 MS	MRC-DPAN-062215 MS	171054	6.15	678451	7.26	376890	8.73
240-52297-1 MSD	MRC-DPAN-062215 MSD	160104	6.15	648267	7.26	366688	8.73

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: CCV 240-186915/2 Date Analyzed: 06/26/2015 10:33
 Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm)
 Lab File ID (Standard): 50626002.D Heated Purge: (Y/N) N
 Calibration ID: 28939

		PHN		CRY		PRY		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		652465	9.96	751771	12.36	647164	14.21	
UPPER LIMIT		1304930	10.46	1503542	12.86	1294328	14.71	
LOWER LIMIT		326233	9.46	375886	11.86	323582	13.71	
LAB SAMPLE ID		CLIENT SAMPLE ID						
MB 240-186497/5-A		560103	9.96	594459	12.36	522779	14.21	
LCS 240-186497/6-A		581500	9.95	665452	12.36	580805	14.21	
240-52297-1		MRC-DPAN-062215	652537	9.95	770411	12.36	708451	14.22
240-52297-1 MS		MRC-DPAN-062215 MS	654130	9.95	773694	12.36	655698	14.22
240-52297-1 MSD		MRC-DPAN-062215 MSD	627527	9.95	749892	12.36	658590	14.22

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215</u>	Lab Sample ID: <u>240-52297-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626007.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>06/22/2015 11:00</u>
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>29.85(g)</u>	Date Analyzed: <u>06/26/2015 12:40</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	25	J	130	8.8
108-60-1	bis (2-chloroisopropyl) ether	24	U	250	24
95-95-4	2,4,5-Trichlorophenol	63	U	380	63
88-06-2	2,4,6-Trichlorophenol	22	U	380	22
120-83-2	2,4-Dichlorophenol	50	U	380	50
105-67-9	2,4-Dimethylphenol	50	U	380	50
51-28-5	2,4-Dinitrophenol	53	U	830	53
121-14-2	2,4-Dinitrotoluene	43	U	500	43
606-20-2	2,6-Dinitrotoluene	53	U	500	53
91-58-7	2-Chloronaphthalene	1.1	U	130	1.1
95-57-8	2-Chlorophenol	21	U	130	21
91-57-6	2-Methylnaphthalene	75		17	1.3
95-48-7	2-Methylphenol	28	U	500	28
88-74-4	2-Nitroaniline	23	U	500	23
88-75-5	2-Nitrophenol	21	U	130	21
91-94-1	3,3'-Dichlorobenzidine	45	U	250	45
99-09-2	3-Nitroaniline	40	U	500	40
534-52-1	4,6-Dinitro-2-methylphenol	23	U	380	23
101-55-3	4-Bromophenyl phenyl ether	33	U	130	33
59-50-7	4-Chloro-3-methylphenol	53	U	380	53
106-47-8	4-Chloroaniline	43	U	380	43
7005-72-3	4-Chlorophenyl phenyl ether	33	U	130	33
100-01-6	4-Nitroaniline	66	U	500	66
100-02-7	4-Nitrophenol	43	U	830	43
83-32-9	Acenaphthene	330		17	1.9
208-96-8	Acenaphthylene	23		17	0.88
98-86-2	Acetophenone	23	U	250	23
120-12-7	Anthracene	310		17	2.0
1912-24-9	Atrazine	23	U	500	23
100-52-7	Benzaldehyde	30	U	250	30
56-55-3	Benzo[a]anthracene	830		17	1.6
50-32-8	Benzo[a]pyrene	930		17	1.6
205-99-2	Benzo[b]fluoranthene	1300		17	1.5
191-24-2	Benzo[g,h,i]perylene	690		17	0.88

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215</u>	Lab Sample ID: <u>240-52297-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626007.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>06/22/2015 11:00</u>
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>29.85(g)</u>	Date Analyzed: <u>06/26/2015 12:40</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	540		17	1.7
111-91-1	Bis(2-chloroethoxy)methane	55	U	250	55
111-44-4	Bis(2-chloroethyl)ether	5.0	U	250	5.0
117-81-7	Bis(2-ethylhexyl) phthalate	81	J B	180	48
85-68-7	Butyl benzyl phthalate	25	U	180	25
105-60-2	Caprolactam	93	U	830	93
86-74-8	Carbazole	290		130	68
218-01-9	Chrysene	930		17	2.8
53-70-3	Dibenz(a,h)anthracene	190		17	1.7
132-64-9	Dibenzofuran	190		130	1.7
84-66-2	Diethyl phthalate	40	U	180	40
131-11-3	Dimethyl phthalate	43	U	180	43
84-74-2	Di-n-butyl phthalate	38	U	180	38
117-84-0	Di-n-octyl phthalate	20	U	180	20
206-44-0	Fluoranthene	1700		17	1.4
86-73-7	Fluorene	230		17	1.3
118-74-1	Hexachlorobenzene	5.3	U	17	5.3
87-68-3	Hexachlorobutadiene	14	U	130	14
77-47-4	Hexachlorocyclopentadiene	20	U F1	830	20
67-72-1	Hexachloroethane	23	U	130	23
193-39-5	Indeno[1,2,3-cd]pyrene	620		17	0.88
78-59-1	Isophorone	33	U	130	33
621-64-7	N-Nitrosodi-n-propylamine	16	U	130	16
86-30-6	N-Nitrosodiphenylamine	53	U	130	53
91-20-3	Naphthalene	620		17	2.1
98-95-3	Nitrobenzene	5.5	U	250	5.5
87-86-5	Pentachlorophenol	23	U	380	23
85-01-8	Phenanthrene	1100		17	1.8
108-95-2	Phenol	18	U	130	18
129-00-0	Pyrene	1500		17	1.1
15831-10-4	3 & 4 Methylphenol	50	U	1000	50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215</u>	Lab Sample ID: <u>240-52297-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626007.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>06/22/2015 11:00</u>
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>29.85(g)</u>	Date Analyzed: <u>06/26/2015 12:40</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	76		36-110
4165-62-2	Phenol-d5 (Surr)	76		26-110
4165-60-0	Nitrobenzene-d5 (Surr)	65		20-110
367-12-4	2-Fluorophenol (Surr)	70		24-110
321-60-8	2-Fluorobiphenyl (Surr)	73		24-110
118-79-6	2,4,6-Tribromophenol (Surr)	43		10-110

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312

SDG No.: _____

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-185312/6	50616006.D
Level 2	STD2 240-185312/5	50616005.D
Level 3	STD3 240-185312/4	50616004.D
Level 4	STD4 240-185312/3	50616003.D
Level 5	STD5 240-185312/2	50616002.D
Level 6	STD6 240-185312/10	50616010.D
Level 7	STD7 240-185312/9	50616009.D
Level 8	STD8 240-185312/8	50616008.D
Level 9	STD9 240-185312/7	50616007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5126	0.5437 0.5738	0.7116 0.5592	0.5142 0.5603	0.4847	Ave		0.5575				12.4		20.0			
N-Nitrosodimethylamine	0.8633	0.7743 0.8494	0.8446 0.8386	0.8153 0.8745	0.8195	Ave		0.8349				3.8		20.0			
Pyridine	1.3890	1.2319 1.4531	1.3795 1.4584	1.3718 1.4753	1.3207	Ave		1.3850				5.9		20.0			
Benzaldehyde	0.9816	1.1385 1.0015	1.1281 0.8963	1.1062 0.8942	1.0783	Ave		1.0281			0.0100	9.7		20.0			
Phenol	1.8174	1.8063 1.8277	1.9468 1.6951	1.8870 1.7123	1.8132	Ave		1.8132			0.8000	4.6		20.0			
Aniline	2.1380	1.9991 2.1763	2.2284 2.0260	2.1840 2.0664	2.1135	Ave		2.1165				3.8		20.0			
Bis(2-chloroethyl)ether	1.3510	1.3397 1.3722	1.4485 1.2902	1.4195 1.3075	1.3647	Ave		1.3617			0.7000	3.9		20.0			
2-Chlorophenol	1.3794	1.3431 1.3995	1.3603 1.3143	1.4000 1.3422	1.3447	Ave		1.3604			0.8000	2.2		20.0			
n-Decane	1.7306	1.8300 1.7280	1.9045 1.6207	1.8203 1.6540	1.7701	Ave		1.7573				5.4		20.0			
1,3-Dichlorobenzene	1.4825	1.5265 1.5119	1.6115 1.4075	1.5727 1.4401	1.5212	Ave		1.5092				4.4		20.0			
1,4-Dichlorobenzene	1.5291	1.6195 1.5226	1.6098 1.4277	1.6073 1.4618	1.5364	Ave		1.5393				4.6		20.0			
Benzyl alcohol	0.9528	0.8627 0.9539	0.9439 0.8819	0.9349 0.9005	0.9289	Ave		0.9199				3.7		20.0			
1,2-Dichlorobenzene	1.4448	1.5167 1.4416	1.5741 1.3563	1.4780 1.3798	1.4561	Ave		1.4559				4.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312

SDG No.: _____

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylphenol	1.2032	1.2229 1.1902	1.3145 1.0962	1.2803 1.1133	1.2655	Ave		1.2108			0.7000	6.4		20.0			
Indene	2.1161	2.4570 2.0425	2.4657 1.8467	2.3594 1.8460	2.2338	Ave		2.1709				11.5		20.0			
bis (2-chloroisopropyl) ether	1.8543	2.1612 1.8016	2.1435 1.5936	2.0884 1.6186	1.9933	Ave		1.9068				11.8		20.0			
Acetophenone	1.7623	1.9269 1.7094	2.0296 1.5709	1.9262 1.6021	1.8331	Ave		1.7951			0.0100	9.1		20.0			
3 & 4 Methylphenol	1.2260	1.2573 1.2079	1.3668 1.1018	1.3347 1.1057	1.2392	Ave		1.2299				7.7		20.0			
N-Nitrosodi-n-propylamine	0.8843	0.9235 0.8506	0.9918 0.8024	0.9741 0.8171	0.9216	Ave		0.8957			0.5000	7.8		20.0			
Hexachloroethane	0.5699	0.6098 0.5695	0.5985 0.5370	0.5883 0.5470	0.5838	Ave		0.5755			0.3000	4.3		20.0			
Nitrobenzene	0.3752	0.3566 0.3755	0.3850 0.3529	0.3790 0.3509	0.3701	Ave		0.3682			0.2000	3.5		20.0			
Isophorone	0.6628	0.6201 0.6616	0.6738 0.6370	0.6772 0.6419	0.6396	Ave		0.6517			0.4000	3.1		20.0			
2-Nitrophenol	0.1848	0.1530 0.1826	0.1780 0.1767	0.1711 0.1746	0.1753	Ave		0.1745			0.1000	5.6		20.0			
2,4-Dimethylphenol	0.3564	0.3409 0.3542	0.3610 0.3359	0.3570 0.3336	0.3481	Ave		0.3484			0.2000	3.0		20.0			
Bis(2-chloroethoxy)methane	0.3782	0.3962 0.3667	0.4121 0.3551	0.4001 0.3527	0.3750	Ave		0.3795			0.3000	5.7		20.0			
Benzoic acid	0.1716	0.0614 0.1954	0.0929 0.1824	0.1265 0.1783	0.1434	Lin1	-0.165	0.1848							0.9960		0.9900
2,4-Dichlorophenol	0.2728	0.2428 0.2700	0.2704 0.2564	0.2756 0.2518	0.2659	Ave		0.2632			0.2000	4.4		20.0			
1,2,4-Trichlorobenzene	0.3077	0.3192 0.3061	0.3258 0.2864	0.3254 0.2821	0.3057	Ave		0.3073				5.3		20.0			
Naphthalene	0.9800	1.0447 0.9763	1.0595 0.9131	1.0533 0.8948	0.9728	Ave		0.9915			0.7000	6.1		20.0			
4-Chloroaniline	0.4217	0.3984 0.4152	0.4416 0.3869	0.4352 0.3793	0.4177	Ave		0.4120			0.0100	5.4		20.0			
2,6-Dichlorophenol	0.2659	0.2572 0.2611	0.2693 0.2437	0.2690 0.2424	0.2640	Ave		0.2591				4.1		20.0			
Hexachlorobutadiene	0.1795	0.1746 0.1757	0.1875 0.1665	0.1831 0.1624	0.1776	Ave		0.1758			0.0100	4.7		20.0			
Caprolactam	0.0958	0.0725 0.0991	0.0846 0.0957	0.0832 0.0939	0.0816	Ave		0.0883			0.0100	10.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312

SDG No.: _____

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.2978	0.2538 0.2981	0.3014 0.2804	0.2886 0.2783	0.2872	Ave		0.2857			0.2000	5.4		20.0			
2-Methylnaphthalene	0.6826 0.6541	0.6990 0.6476	0.7114 0.6103	0.7090 0.5998	0.6560	Ave		0.6633			0.4000	6.1		20.0			
1-Methylnaphthalene	0.5846 0.5812	0.5949 0.5699	0.6414 0.5358	0.6115 0.5353	0.5828	Ave		0.5819				5.8		20.0			
Hexachlorocyclopentadiene	0.3611	0.3546 0.3630	0.3870 0.3372	0.3915 0.3305	0.3788	Ave		0.3630			0.0500	6.1		20.0			
1,2,4,5-Tetrachlorobenzene	0.4648	0.5531 0.4544	0.5525 0.4232	0.5282 0.4077	0.4904	Ave		0.4843			0.0100	11.6		20.0			
2,4,6-Trichlorophenol	0.3491	0.3162 0.3508	0.3464 0.3308	0.3528 0.3222	0.3435	Ave		0.3390			0.2000	4.1		20.0			
2,4,5-Trichlorophenol	0.3570	0.3184 0.3664	0.3493 0.3405	0.3660 0.3348	0.3711	Ave		0.3505			0.2000	5.2		20.0			
1,1'-Biphenyl	1.5232 1.3691	1.4518 1.3642	1.5452 1.2703	1.4894 1.2334	1.3846	Ave		1.4034			0.0100	7.7		20.0			
2-Chloronaphthalene	1.2008 1.0455	1.1458 1.0392	1.1554 0.9704	1.1299 0.9456	1.0668	Ave		1.0777			0.8000	8.0		20.0			
2-Nitroaniline	0.3575	0.2908 0.3611	0.3443 0.3455	0.3652 0.3421	0.3481	Ave		0.3443			0.0100	6.7		20.0			
Dimethyl phthalate	1.1302	1.1746 1.1086	1.2413 1.0461	1.2201 1.0255	1.1757	Ave		1.1403			0.0100	6.8		20.0			
1,3-Dinitrobenzene	0.1932	0.1506 0.1955	0.1789 0.1900	0.2032 0.1907	0.1945	Ave		0.1871				8.7		20.0			
2,6-Dinitrotoluene	0.2710	0.2427 0.2656	0.2631 0.2499	0.2771 0.2450	0.2752	Ave		0.2612				5.2		20.0			
Acenaphthylene	1.7981 1.7353	1.7816 1.7402	1.9005 1.6251	1.8370 1.5985	1.7760	Ave		1.7547			0.9000	5.4		20.0			
3-Nitroaniline	0.2871	0.2691 0.2877	0.3006 0.2895	0.3038 0.2939	0.2917	Ave		0.2904			0.0100	3.6		20.0			
Acenaphthene	1.1984 1.0436	1.1092 1.0231	1.1894 0.9613	1.1601 0.9412	1.0763	Ave		1.0781			0.9000	8.7		20.0			
2,4-Dinitrophenol	0.1546	+++++ 0.1727	0.0936 0.1787	0.1256 0.1768	0.1372	Lin1	-0.214	0.1783			0.0100				0.9970		0.9900
4-Nitrophenol	0.1816	0.1275 0.1817	0.1525 0.1744	0.1515 0.1743	0.1553	Ave		0.1623				11.7		20.0			
2,4-Dinitrotoluene	0.3341	0.3246 0.3468	0.3602 0.3539	0.3534 0.3508	0.3298	Ave		0.3442			0.2000	3.8		20.0			
Dibenzofuran	1.7156 1.4876	1.5638 1.4624	1.6649 1.3594	1.6538 1.3466	1.5141	Ave		1.5298			0.8000	8.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312

SDG No.: _____

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	0.2536	0.2678 0.2668	0.2866 0.2555	0.2925 0.2587	0.2715	Ave		0.2691			0.0100	5.2		20.0			
Diethyl phthalate	1.0363	1.2554 1.0380	1.2175 1.0235	1.1945 0.9941	1.0279	Ave		1.0984			0.0100	9.6		20.0			
Hexadecane	0.8520	0.9190 0.8109	0.9907 0.6778	0.9570 0.6409	0.8858	Ave		0.8418				15.0		20.0			
4-Chlorophenyl phenyl ether	0.5691	0.6113 0.5407	0.6365 0.4940	0.6241 0.4800	0.5762	Ave		0.5665			0.4000	10.3		20.0			
Fluorene	1.3538 1.1605	1.2737 1.1250	1.3526 1.0430	1.3047 1.0076	1.1933	Ave		1.2016			0.9000	10.7		20.0			
4-Nitroaniline	0.2922	0.2621 0.2808	0.2358 0.2894	0.2390 0.2880	0.2538	Ave		0.2676			0.0100	8.6		20.0			
4,6-Dinitro-2-methylphenol	0.1500	0.0806 0.1433	0.0929 0.1306	0.1148 0.1266	0.1338	Ave		0.1216			0.0100	19.9		20.0			
N-Nitrosodiphenylamine	0.4807	0.5290 0.4447	0.5842 0.3997	0.5956 0.4043	0.5638	Ave		0.5003			0.0100	15.8		20.0			
1,2-Diphenylhydrazine(as Azobenzene)	0.8164	0.7250 0.7313	0.8161 0.6264	0.8596 0.6285	0.8913	Ave		0.7619				13.2		20.0			
Azobenzene	0.8165	0.7244 0.7313	0.8161 0.6264	0.8614 0.6281	0.8912	Ave		0.7619				13.2		20.0			
4-Bromophenyl phenyl ether	0.2050	0.2039 0.1858	0.2195 0.1635	0.2298 0.1626	0.2333	Ave		0.2004			0.1000	13.8		20.0			
Hexachlorobenzene	0.2887 0.2332	0.2209 0.2090	0.2420 0.1820	0.2511 +++++	0.2619	Ave		0.2361			0.1000	14.0		20.0			
Atrazine	0.1761	0.1551 0.1728	0.1786 0.1557	0.1677 0.1587	0.1992	Ave		0.1705			0.0100	8.7		20.0			
Pentachlorophenol	0.1535	0.0866 0.1462	0.1188 0.1257	0.1317 0.1231	0.1445	Ave		0.1288			0.0500	16.3		20.0			
n-Octadecane	0.4542	0.5065 +++++	0.5739 +++++	0.6011 +++++	0.5814	Ave		0.5434				11.3		20.0			
Phenanthrene	1.1907 1.0411	1.1053 1.0179	1.1498 0.9437	1.1064 0.9401	1.0531	Ave		1.0609			0.7000	8.1		20.0			
Anthracene	1.0898 1.0523	1.0960 1.0350	1.1327 0.9723	1.1187 0.9690	1.0710	Ave		1.0597			0.7000	5.6		20.0			
Carbazole	1.0424	0.8803 0.9380	0.8644 0.8323	0.9061 0.8458	1.0404	Ave		0.9187			0.0100	9.0		20.0			
Di-n-butyl phthalate	1.1700	0.7898 1.1579	0.8938 1.0696	1.0168 1.0721	1.2883	Ave		1.0573			0.0100	15.0		20.0			
Fluoranthene	1.0535 1.1547	0.9259 1.1060	0.8976 1.0122	1.0279 1.0215	1.2021	Ave		1.0446			0.6000	9.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312
SDG No.: _____
Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.6493	0.3773 0.6723	0.4871 0.6216	0.6127 0.6156	0.6575	Ave		0.5867				17.4		20.0			
Pyrene	1.0653 0.9349	0.8715 0.9719	0.8351 0.9536	0.8368 0.9507	0.9452	Ave		0.9294			0.6000	7.8		20.0			
Butyl benzyl phthalate	0.4750	0.4081 0.4704	0.4130 0.4500	0.4361 0.4485	0.4673	Ave		0.4461			0.0100	5.7		20.0			
3,3'-Dichlorobenzidine	0.3706	0.3263 0.3699	0.3512 0.3474	0.3658 0.3404	0.3629	Ave		0.3543			0.0100	4.5		20.0			
Bis(2-ethylhexyl) phthalate	0.6544	0.5577 0.6472	0.6072 0.6117	0.6393 0.6036	0.6397	Ave		0.6201			0.0100	5.1		20.0			
Benzo[a]anthracene	1.1452 1.0041	1.0251 1.0004	1.0785 0.9626	1.0481 0.9525	1.0165	Ave		1.0259			0.8000	5.8		20.0			
Chrysene	1.0974 0.9631	0.9794 0.9586	0.9898 0.9074	0.9587 0.9051	0.9428	Ave		0.9669			0.7000	5.9		20.0			
Di-n-octyl phthalate	1.2912	0.9966 1.3180	1.1997 1.2306	1.2389 1.2582	1.2671	Ave		1.2250			0.0100	8.1		20.0			
Benzo[b]fluoranthene	1.1354 1.1614	1.0554 1.1248	1.1358 1.1267	1.1274 1.0944	1.1263	Ave		1.1208			0.7000	2.7		20.0			
Benzo[k]fluoranthene	1.2815 1.1447	1.0658 1.1949	1.2243 1.0737	1.2194 1.1291	1.1252	Ave		1.1621			0.7000	6.3		20.0			
Benzo[a]pyrene	1.0889 1.1111	0.9994 1.1148	1.1191 1.0574	1.0911 1.0633	1.0901	Ave		1.0817			0.7000	3.5		20.0			
Indeno[1,2,3-cd]pyrene	1.3228 1.1292	1.1495 1.1109	1.3019 1.0331	1.2143 1.0287	1.1296	Ave		1.1578			0.5000	9.0		20.0			
Dibenz(a,h)anthracene	1.1450 0.9946	1.0021 0.9766	1.1225 0.8897	1.0568 0.8975	0.9782	Ave		1.0070			0.4000	8.8		20.0			
Benzo[g,h,i]perylene	1.1622 0.9117	0.9905 0.8857	1.1391 0.8102	1.0427 0.8292	0.9234	Ave		0.9661			0.5000	13.2		20.0			
2-Fluorophenol (Surr)	1.2079	1.1642 1.2563	1.1785 1.1956	1.1880 1.2349	1.1884	Ave		1.2017				2.5		20.0			
Phenol-d5 (Surr)	1.5454	1.4949 1.5822	1.6003 1.4773	1.5549 1.4990	1.5406	Ave		1.5368				2.8		20.0			
Nitrobenzene-d5 (Surr)	0.3662 0.3637	0.3328 0.3634	0.3648 0.3462	0.3733 0.3404	0.3518	Ave		0.3558				3.8		20.0			
2-Fluorobiphenyl (Surr)	1.3318 1.1331	1.2367 1.1314	1.2971 1.0530	1.2410 1.0301	1.1598	Ave		1.1793				8.9		20.0			
2,4,6-Tribromophenol (Surr)	0.1405	0.1368 0.1477	0.1530 0.1445	0.1553 0.1447	0.1433	Ave		0.1457				4.2		20.0			
Terphenyl-d14 (Surr)	0.8214 0.7315	0.7026 0.7348	0.7257 0.6994	0.7053 0.6858	0.7262	Ave		0.7259				5.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312

SDG No.: _____

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-185312/6	50616006.D
Level 2	STD2 240-185312/5	50616005.D
Level 3	STD3 240-185312/4	50616004.D
Level 4	STD4 240-185312/3	50616003.D
Level 5	STD5 240-185312/2	50616002.D
Level 6	STD6 240-185312/10	50616010.D
Level 7	STD7 240-185312/9	50616009.D
Level 8	STD8 240-185312/8	50616008.D
Level 9	STD9 240-185312/7	50616007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	299310	14051 470412	38888 686183	52975 754529	120802	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	504092	20013 696386	46154 1029050	83996 1177759	204232	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	811032	31839 1191357	75384 1789535	141331 1986733	329144	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	1146360	58850 1642256	123291 2199703	227941 2408374	537449	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenol	DCB	Ave	1061184	46685 1498443	106387 2079980	194414 2306013	451870	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1248390	51667 1784292	121777 2486051	225016 2782889	526702	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	788859	34626 1125050	79157 1583122	146244 1760811	340099	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	805457	34713 1147402	74334 1612791	144236 1807495	335114	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
n-Decane	DCB	Ave	1010495	47297 1416756	104075 1988770	187546 2227514	441131	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	865632	39452 1239548	88065 1727117	162030 1939390	379101	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	892878	41856 1248330	87970 1751844	165598 1968581	382877	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCB	Ave	556338	22297 782057	51583 1082140	96324 1212771	231488	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	843662	39200 1181930	86021 1664226	152272 1858203	362877	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	702538	31607 975796	71835 1345158	131901 1499344	315389	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312

SDG No.: _____

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Indene	DCB	Ave		127005	269486	486162	1113357		1.00	2.00	4.00	10.0
			2471276	3349115	4532002	4971988		20.0	30.0	40.0	50.0	
bis (2-chloroisopropyl) ether	DCB	Ave		55858	117134	215167	496745		0.500	1.00	2.00	5.00
			1082727	1477051	1955479	2179763		10.0	15.0	20.0	25.0	
Acetophenone	DCB	Ave		49800	110911	198455	456830		0.500	1.00	2.00	5.00
			1029032	1401472	1927669	2157625		10.0	15.0	20.0	25.0	
3 & 4 Methylphenol	DCB	Ave		32495	74692	137515	308816		0.500	1.00	2.00	5.00
			715860	990311	1352050	1489092		10.0	15.0	20.0	25.0	
N-Nitrosodi-n-propylamine	DCB	Ave		23868	54198	100354	229681		0.500	1.00	2.00	5.00
			516359	697346	984574	1100413		10.0	15.0	20.0	25.0	
Hexachloroethane	DCB	Ave		15761	32707	60614	145499		0.500	1.00	2.00	5.00
			332774	466904	658973	736662		10.0	15.0	20.0	25.0	
Nitrobenzene	NPT	Ave		36616	82079	154701	372491		0.500	1.00	2.00	5.00
			859556	1216384	1693858	1909617		10.0	15.0	20.0	25.0	
Isophorone	NPT	Ave		63660	143643	276388	643801		0.500	1.00	2.00	5.00
			1518441	2143040	3057721	3493222		10.0	15.0	20.0	25.0	
2-Nitrophenol	NPT	Ave		15711	37956	69832	176462		0.500	1.00	2.00	5.00
			423329	591400	848289	950007		10.0	15.0	20.0	25.0	
2,4-Dimethylphenol	NPT	Ave		35001	76955	145725	350341		0.500	1.00	2.00	5.00
			816594	1147491	1612209	1815814		10.0	15.0	20.0	25.0	
Bis(2-chloroethoxy)methane	NPT	Ave		40676	87844	163292	377390		0.500	1.00	2.00	5.00
			866527	1187762	1704600	1919430		10.0	15.0	20.0	25.0	
Benzoic acid	NPT	Lin1		12606	39600	103243	288596		1.00	2.00	4.00	10.0
			786351	1265764	1751487	1940235		20.0	30.0	40.0	50.0	
2,4-Dichlorophenol	NPT	Ave		24925	57643	112483	267677		0.500	1.00	2.00	5.00
			624925	874763	1230868	1370577		10.0	15.0	20.0	25.0	
1,2,4-Trichlorobenzene	NPT	Ave		32769	69456	132812	307735		0.500	1.00	2.00	5.00
			704919	991422	1374603	1535382		10.0	15.0	20.0	25.0	
Naphthalene	NPT	Ave		22286	105665	429906	979078	0.100	0.500	1.00	2.00	5.00
			2245201	3162620	4382956	4869989		10.0	15.0	20.0	25.0	
4-Chloroaniline	NPT	Ave		40900	94137	177636	420410		0.500	1.00	2.00	5.00
			966153	1344953	1857054	2064380		10.0	15.0	20.0	25.0	
2,6-Dichlorophenol	NPT	Ave		26409	57412	109793	265765		0.500	1.00	2.00	5.00
			609082	845663	1169977	1319331		10.0	15.0	20.0	25.0	
Hexachlorobutadiene	NPT	Ave		17922	39966	74721	178733		0.500	1.00	2.00	5.00
			411134	569123	799466	883662		10.0	15.0	20.0	25.0	
Caprolactam	NPT	Ave		14877	36068	67918	164252		1.00	2.00	4.00	10.0
			438844	641779	918658	1021912		20.0	30.0	40.0	50.0	
4-Chloro-3-methylphenol	NPT	Ave		26055	64251	117787	289074		0.500	1.00	2.00	5.00
			682160	965534	1346167	1514530		10.0	15.0	20.0	25.0	
2-Methylnaphthalene	NPT	Ave		14562	71769	151657	289384	0.100	0.500	1.00	2.00	5.00
			1498481	2097668	2929318	3264038		10.0	15.0	20.0	25.0	

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312

SDG No.: _____

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Methylnaphthalene	NPT	Ave	12471 1331570	61076 1846036	136741 2571888	249571 2913045	586546	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	19899 469499	45732 654288	87741 910754	1023672	207727	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	31038 604304	65278 819057	118383 1142983	1262798	268957	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	17747 453892	40926 632316	79074 893325	997989	188402	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	17868 464195	41275 660353	82033 919679	1037142	203551	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	17778 1779989	81474 2458813	182571 3430598	333840 3820589	759346	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	14015 1359246	64301 1873122	136516 2620801	253253 2929055	585058	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	16317 464811	40686 650853	81850 933081	1059703	190886	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	65920 1469315	146669 1998132	273479 2825131	644803	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00	
1,3-Dinitrobenzene	ANT	Ave	8449 251192	21142 352334	45542 513177	590678	106687	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	352283 20987	478668 99982	31086 224560	62099 411758	150925	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	2255993 3136674	4388983	4951573	974016	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00	
3-Nitroaniline	ANT	Ave	373230 13988	518574 62246	781938 140531	910248 260021	159961	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	1356769 1844028	2596164	2915481	590256	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00	
2,4-Dinitrophenol	ANT	Lin1	402009	622614	965190	1095253	150469	20.0	++++ 30.0	2.00 40.0	4.00 50.0	10.0
4-Nitrophenol	ANT	Ave	14309 472123	36046 654940	67924 941844	1079724	170339	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
2,4-Dinitrotoluene	ANT	Ave	434335 625114	955840	1086692	180858	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00	
Dibenzofuran	ANT	Ave	20024 1934008	87762 2635825	196715 3671404	370693 4171280	830409	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	15028 329765	33864 480875	65551 690047	801206	148900	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	70451 1347302	143856 1870857	267745 2764023	3079190	563754	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexadecane	ANT	Ave	51576 1107662	117058 1461581	214502 1830536	485787	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00	

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312

SDG No.: _____

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave		34308	75204	139885	315998		0.500	1.00	2.00	5.00
			739927	974613	1334105	1486796		10.0	15.0	20.0	25.0	
Fluorene	ANT	Ave	15801	71481	159813	292447	654428	0.100	0.500	1.00	2.00	5.00
			1508772	2027813	2816766	3121006		10.0	15.0	20.0	25.0	
4-Nitroaniline	ANT	Ave		14711	27865	53568	139213		0.500	1.00	2.00	5.00
			379823	506168	781620	892050		10.0	15.0	20.0	25.0	
4,6-Dinitro-2-methylphenol	PHN	Ave		15424	35411	77023	199484		1.00	2.00	4.00	10.0
			560455	804408	1188238	1287745		20.0	30.0	40.0	50.0	
N-Nitrosodiphenylamine	PHN	Ave		101172	222758	399568	840427		1.00	2.00	4.00	10.0
			1796045	2497156	3636552	4113617		20.0	30.0	40.0	50.0	
1,2-Diphenylhydrazine (as Azobenzene)	PHN	Ave		69335	155589	288312	664320		0.500	1.00	2.00	5.00
			1525086	2053226	2849426	3197586		10.0	15.0	20.0	25.0	
Azobenzene	PHN	Ave		69274	155589	288922	664238		0.500	1.00	2.00	5.00
			1525303	2053180	2849426	3195391		10.0	15.0	20.0	25.0	
4-Bromophenyl phenyl ether	PHN	Ave		19499	41838	77084	173894		0.500	1.00	2.00	5.00
			382971	521652	743633	827432		10.0	15.0	20.0	25.0	
Hexachlorobenzene	PHN	Ave		5765	46145	84226	195220	0.100	0.500	1.00	2.00	5.00
			435648	586833	827804	+++++		10.0	15.0	20.0	+++++	
Atrazine	PHN	Ave		29673	68107	112485	296969		1.00	2.00	4.00	10.0
			657947	970584	1416703	1615011		20.0	30.0	40.0	50.0	
Pentachlorophenol	PHN	Ave		16555	45313	88337	215439		1.00	2.00	4.00	10.0
			573522	820687	1143268	1252956		20.0	30.0	40.0	50.0	
n-Octadecane	PHN	Ave		48433	109406	201610	433309		0.500	1.00	2.00	5.00
			848494	+++++	+++++	+++++		10.0	+++++	+++++	+++++	
Phenanthrene	PHN	Ave		23779	105702	219199	784928	0.100	0.500	1.00	2.00	5.00
			1944944	2858038	4292848	4782844		10.0	15.0	20.0	25.0	
Anthracene	PHN	Ave		21763	104813	215945	798264	0.100	0.500	1.00	2.00	5.00
			1965803	2906023	4423251	4929927		10.0	15.0	20.0	25.0	
Carbazole	PHN	Ave		84183	164788	303925	775467		0.500	1.00	2.00	5.00
			1947244	2633686	3786317	4303371		10.0	15.0	20.0	25.0	
Di-n-butyl phthalate	PHN	Ave		75530	170392	341060	960172		0.500	1.00	2.00	5.00
			2185758	3250875	4865820	5454383		10.0	15.0	20.0	25.0	
Fluoranthene	PHN	Ave		21040	88538	171120	895960	0.100	0.500	1.00	2.00	5.00
			2157048	3105255	4604514	5196823		10.0	15.0	20.0	25.0	
Benzidine	CRY	Ave		81683	223187	532424	1349478		1.00	2.00	4.00	10.0
			3193484	4655140	6462882	7200272		20.0	30.0	40.0	50.0	
Pyrene	CRY	Ave		22774	94321	191337	970047	0.100	0.500	1.00	2.00	5.00
			2299034	3364977	4957488	5559881		10.0	15.0	20.0	25.0	
Butyl benzyl phthalate	CRY	Ave		44171	94622	189501	479596		0.500	1.00	2.00	5.00
			1168030	1628644	2339400	2623172		10.0	15.0	20.0	25.0	
3,3'-Dichlorobenzidine	CRY	Ave		70626	160914	317901	744942		1.00	2.00	4.00	10.0
			1822950	2561524	3612605	3981228		20.0	30.0	40.0	50.0	

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 185312

SDG No.: _____

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2015 14:47 Calibration End Date: 06/16/2015 18:08 Calibration ID: 28939

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Bis(2-ethylhexyl) phthalate	CRY	Ave	1609394	60360	139122	277759	656560	10.0	0.500	1.00	2.00	5.00
Benzo[a]anthracene	CRY	Ave	24482	2240762	3180113	3530149	1043265	0.100	15.0	20.0	25.0	5.00
			2469311	110955	247108	455385		10.0	0.500	1.00	2.00	
Chrysene	CRY	Ave	23459	5004477	5570812	967601	1043265	0.100	15.0	20.0	25.0	5.00
			2368435	106004	226791	416543		10.0	0.500	1.00	2.00	
Di-n-octyl phthalate	PRY	Ave	97273	4717510	5293359	1153861	1043265	0.100	15.0	20.0	25.0	5.00
			2875801	234739	465859	6690375		10.0	0.500	1.00	2.00	
Benzo[b]fluoranthene	PRY	Ave	22283	5948255	6690375	1025630	1043265	0.100	15.0	20.0	25.0	5.00
			2586624	103017	222237	423920		10.0	0.500	1.00	2.00	
Benzo[k]fluoranthene	PRY	Ave	25149	5446230	5819497	1024654	1043265	0.100	15.0	20.0	25.0	5.00
			2549572	104030	239562	458535		10.0	0.500	1.00	2.00	
Benzo[a]pyrene	PRY	Ave	21370	5190172	6003939	992713	1043265	0.100	15.0	20.0	25.0	5.00
			2474574	97551	218985	410278		10.0	0.500	1.00	2.00	
Indeno[1,2,3-cd]pyrene	PRY	Ave	25961	5111400	5653964	1028637	1043265	0.100	15.0	20.0	25.0	5.00
			2514891	112201	254743	456598		10.0	0.500	1.00	2.00	
Dibenz(a,h)anthracene	PRY	Ave	22470	4994000	5470244	890757	1043265	0.100	15.0	20.0	25.0	5.00
			2215266	97808	219651	397379		10.0	0.500	1.00	2.00	
Benzo[g,h,i]perylene	PRY	Ave	22809	4300823	4772518	840909	1043265	0.100	15.0	20.0	25.0	5.00
			2030476	96678	222891	392097		10.0	0.500	1.00	2.00	
2-Fluorophenol (Surr)	DCB	Ave	705326	30088	64401	122393	296169	10.0	0.500	1.00	2.00	5.00
			1029977	1467055	1663070	383936		10.0	15.0	20.0	25.0	
Phenol-d5 (Surr)	DCB	Ave	902361	87453	160198	383936	383936	10.0	0.500	1.00	2.00	5.00
			1297218	38635	87453	160198		10.0	15.0	20.0	25.0	
Nitrobenzene-d5 (Surr)	NPT	Ave	7811	1812750	2018768	354079	354079	0.100	0.500	1.00	2.00	5.00
			833256	34165	77772	152355		10.0	15.0	20.0	25.0	
2-Fluorobiphenyl (Surr)	ANT	Ave	15545	1661863	1852767	636068	636068	0.100	0.500	1.00	2.00	5.00
			1473169	69403	153257	278168		10.0	15.0	20.0	25.0	
2,4,6-Tribromophenol (Surr)	ANT	Ave	182646	2843769	3191011	78601	78601	10.0	0.500	1.00	2.00	5.00
			266231	7677	18078	34812		10.0	15.0	20.0	25.0	
Terphenyl-d14 (Surr)	CRY	Ave	17560	390353	448106	745302	745302	0.100	0.500	1.00	2.00	5.00
			1798981	76045	166262	306474		10.0	15.0	20.0	25.0	

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-52297-1

SDG No.: _____

Lab Sample ID (1): CCV 240-186915/2 CCVIS

Instrument ID (1): A4HP7

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Date Analyzed (1): 06/26/2015 10:33

ANALYTE	RT	RESOLUTION (%)
2-Fluorophenol (Surr)	4.89	100.0
Benzaldehyde	5.75	100.0
Phenol-d5 (Surr)	5.83	100.0
Phenol	5.84	100.0
Bis(2-chloroethyl)ether	5.91	100.0
2-Chlorophenol	5.97	100.0
2-Methylphenol	6.38	100.0
bis (2-chloroisopropyl) ether	6.40	100.0
Acetophenone	6.51	100.0
N-Nitrosodi-n-propylamine	6.51	100.0
3 & 4 Methylphenol	6.52	100.0
Hexachloroethane	6.60	100.0
Nitrobenzene-d5 (Surr)	6.64	100.0
Nitrobenzene	6.66	100.0
Isophorone	6.87	100.0
2-Nitrophenol	6.94	100.0
2,4-Dimethylphenol	6.97	100.0
Bis(2-chloroethoxy)methane	7.04	100.0
2,4-Dichlorophenol	7.14	100.0
Naphthalene	7.28	100.0
4-Chloroaniline	7.32	100.0
Hexachlorobutadiene	7.39	100.0
Caprolactam	7.62	100.0
4-Chloro-3-methylphenol	7.73	100.0
2-Methylnaphthalene	7.86	100.0
Hexachlorocyclopentadiene	8.00	100.0
2,4,6-Trichlorophenol	8.10	100.0
2,4,5-Trichlorophenol	8.13	100.0
2-Fluorobiphenyl (Surr)	8.16	100.0
1,1'-Biphenyl	8.24	100.0
2-Chloronaphthalene	8.26	100.0
2-Nitroaniline	8.34	100.0
Dimethyl phthalate	8.49	100.0
2,6-Dinitrotoluene	8.54	100.0
Acenaphthylene	8.61	100.0
3-Nitroaniline	8.68	100.0
Acenaphthene	8.75	100.0
2,4-Dinitrophenol	8.76	100.0
4-Nitrophenol	8.82	100.0
2,4-Dinitrotoluene	8.87	100.0
Dibenzofuran	8.89	100.0
Diethyl phthalate	9.07	100.0
4-Chlorophenyl phenyl ether	9.17	100.0
Fluorene	9.18	100.0
4-Nitroaniline	9.19	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab Sample ID (1): CCV 240-186915/2 CCVIS Instrument ID (1): A4HP7
 GC Column (1): RXI-5SILMS ID: 0.45 (mm) Date Analyzed (1): 06/26/2015 10:33

ANALYTE	RT	RESOLUTION (%)
4,6-Dinitro-2-methylphenol	9.21	100.0
N-Nitrosodiphenylamine	9.27	100.0
2,4,6-Tribromophenol (Surr)	9.38	100.0
4-Bromophenyl phenyl ether	9.57	100.0
Hexachlorobenzene	9.65	100.0
Atrazine	9.70	100.0
Pentachlorophenol	9.80	100.0
Phenanthrene	9.97	100.0
Anthracene	10.02	100.0
Carbazole	10.14	100.0
Di-n-butyl phthalate	10.41	100.0
Fluoranthene	10.96	100.0
Pyrene	11.16	100.0
Terphenyl-d14 (Surr)	11.28	100.0
Butyl benzyl phthalate	11.73	100.0
3,3'-Dichlorobenzidine	12.31	100.0
Bis(2-ethylhexyl) phthalate	12.34	100.0
Benzo[a]anthracene	12.35	100.0
Chrysene	12.39	100.0
Di-n-octyl phthalate	13.13	100.0
Benzo[b]fluoranthene	13.69	19.50
Benzo[k]fluoranthene	13.72	100.0
Benzo[a]pyrene	14.14	100.0
Indeno[1,2,3-cd]pyrene	15.71	100.0
Dibenz(a,h)anthracene	15.73	100.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Lab Sample ID: ICV 240-185312/11 Calibration Date: 06/16/2015 18:33

Instrument ID: A4HP7 Calib Start Date: 06/16/2015 14:47

GC Column: RXI-5SILMS ID: 0.45 (mm) Calib End Date: 06/16/2015 18:08

Lab File ID: 50616011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5575	0.4738		8.50	10.0	-15.0	30.0
N-Nitrosodimethylamine	Ave	0.8349	0.7172		8.59	10.0	-14.1	30.0
Pyridine	Ave	1.385	1.421		10.3	10.0	2.6	30.0
Benzaldehyde	Ave	1.028	0.9797	0.0100	19.1	20.0	-4.7	30.0
Phenol	Ave	1.813	1.763	0.8000	9.72	10.0	-2.8	30.0
Aniline	Ave	2.116	2.070		9.78	10.0	-2.2	30.0
Bis(2-chloroethyl)ether	Ave	1.362	1.289	0.7000	9.46	10.0	-5.4	30.0
2-Chlorophenol	Ave	1.360	1.328	0.8000	9.76	10.0	-2.4	30.0
n-Decane	Ave	1.757	1.663		9.46	10.0	-5.4	30.0
1,3-Dichlorobenzene	Ave	1.509	1.446		9.58	10.0	-4.2	30.0
1,4-Dichlorobenzene	Ave	1.539	1.473		9.57	10.0	-4.3	30.0
Benzyl alcohol	Ave	0.9199	0.9140		9.94	10.0	-0.6	30.0
1,2-Dichlorobenzene	Ave	1.456	1.377		9.46	10.0	-5.4	30.0
2-Methylphenol	Ave	1.211	1.197	0.7000	9.89	10.0	-1.1	30.0
Indene	Ave	2.171	2.020		18.6	20.0	-6.9	30.0
bis (2-chloroisopropyl) ether	Ave	1.907	1.769		9.27	10.0	-7.3	30.0
3 & 4 Methylphenol	Ave	1.230	1.194		9.71	10.0	-2.9	30.0
Acetophenone	Ave	1.795	1.692	0.0100	9.43	10.0	-5.7	30.0
N-Nitrosodi-n-propylamine	Ave	0.8957	0.8461	0.5000	9.45	10.0	-5.5	30.0
Hexachloroethane	Ave	0.5755	0.5503	0.3000	9.56	10.0	-4.4	30.0
Nitrobenzene	Ave	0.3682	0.3639	0.2000	9.88	10.0	-1.2	30.0
Isophorone	Ave	0.6517	0.6783	0.4000	10.4	10.0	4.1	30.0
2-Nitrophenol	Ave	0.1745	0.1811	0.1000	10.4	10.0	3.8	30.0
2,4-Dimethylphenol	Ave	0.3484	0.3504	0.2000	10.1	10.0	0.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.3795	0.3702	0.3000	9.76	10.0	-2.4	30.0
Benzoic acid	Lin1		0.1978		22.3	20.0	11.5	30.0
2,4-Dichlorophenol	Ave	0.2632	0.2674	0.2000	10.2	10.0	1.6	30.0
1,2,4-Trichlorobenzene	Ave	0.3073	0.3012		9.80	10.0	-2.0	30.0
Naphthalene	Ave	0.9915	0.9640	0.7000	9.72	10.0	-2.8	30.0
4-Chloroaniline	Ave	0.4120	0.4118	0.0100	10.0	10.0	-0.0	30.0
2,6-Dichlorophenol	Ave	0.2591	0.2601		10.0	10.0	0.4	30.0
Hexachlorobutadiene	Ave	0.1758	0.1753	0.0100	9.97	10.0	-0.3	30.0
Caprolactam	Ave	0.0883	0.0986	0.0100	22.3	20.0	11.6	30.0
4-Chloro-3-methylphenol	Ave	0.2857	0.3036	0.2000	10.6	10.0	6.3	30.0
2-Methylnaphthalene	Ave	0.6633	0.6335	0.4000	9.55	10.0	-4.5	30.0
1-Methylnaphthalene	Ave	0.5819	0.5937		10.2	10.0	2.0	30.0
Hexachlorocyclopentadiene	Ave	0.3630	0.3620	0.0500	9.97	10.0	-0.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4843	0.4480	0.0100	9.25	10.0	-7.5	30.0
2,4,6-Trichlorophenol	Ave	0.3390	0.3508	0.2000	10.3	10.0	3.5	30.0
2,4,5-Trichlorophenol	Ave	0.3505	0.3622	0.2000	10.3	10.0	3.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Lab Sample ID: ICV 240-185312/11 Calibration Date: 06/16/2015 18:33

Instrument ID: A4HP7 Calib Start Date: 06/16/2015 14:47

GC Column: RXI-5SILMS ID: 0.45 (mm) Calib End Date: 06/16/2015 18:08

Lab File ID: 50616011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.403	1.339	0.0100	9.54	10.0	-4.6	30.0
2-Chloronaphthalene	Ave	1.078	1.028	0.8000	9.54	10.0	-4.6	30.0
2-Nitroaniline	Ave	0.3443	0.3548	0.0100	10.3	10.0	3.0	30.0
Dimethyl phthalate	Ave	1.140	1.112	0.0100	9.75	10.0	-2.5	30.0
1,3-Dinitrobenzene	Ave	0.1871	0.1896		10.1	10.0	1.4	30.0
2,6-Dinitrotoluene	Ave	0.2612	0.2650		10.1	10.0	1.5	30.0
Acenaphthylene	Ave	1.755	1.680	0.9000	9.58	10.0	-4.2	30.0
3-Nitroaniline	Ave	0.2904	0.2839	0.0100	9.78	10.0	-2.2	30.0
Acenaphthene	Ave	1.078	1.037	0.9000	9.62	10.0	-3.8	30.0
2,4-Dinitrophenol	Lin1		0.1557	0.0100	18.7	20.0	-6.7	30.0
4-Nitrophenol	Ave	0.1623	0.1829		22.5	20.0	12.6	30.0
2,4-Dinitrotoluene	Ave	0.3442	0.3374	0.2000	9.80	10.0	-2.0	30.0
Dibenzofuran	Ave	1.530	1.450	0.8000	9.48	10.0	-5.2	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2691	0.2596	0.0100	9.65	10.0	-3.5	30.0
Diethyl phthalate	Ave	1.098	1.038	0.0100	9.45	10.0	-5.5	30.0
Hexadecane	Ave	0.8418	0.8424		10.0	10.0	0.0	30.0
4-Chlorophenyl phenyl ether	Ave	0.5665	0.5500	0.4000	9.71	10.0	-2.9	30.0
Fluorene	Ave	1.202	1.132	0.9000	9.42	10.0	-5.8	30.0
4-Nitroaniline	Ave	0.2676	0.2875	0.0100	10.7	10.0	7.4	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1216	0.1445	0.0100	23.8	20.0	18.9	30.0
N-Nitrosodiphenylamine	Ave	0.5003	0.4642	0.0100	18.6	20.0	-7.2	30.0
1,2-Diphenylhydrazine (as Azobenzene)	Ave	0.7618	0.8198		10.8	10.0	7.6	30.0
Azobenzene	Ave	0.7619	0.8198		10.8	10.0	7.6	30.0
4-Bromophenyl phenyl ether	Ave	0.2004	0.1972	0.1000	9.84	10.0	-1.6	30.0
Hexachlorobenzene	Ave	0.2361	0.2216	0.1000	9.38	10.0	-6.2	30.0
Atrazine	Ave	0.1705	0.1846	0.0100	21.7	20.0	8.3	30.0
Pentachlorophenol	Ave	0.1288	0.1585	0.0500	24.6	20.0	23.1	30.0
n-Octadecane	Ave	0.5434	0.4354		8.01	10.0	-19.9	30.0
Phenanthrene	Ave	1.061	0.9946	0.7000	9.37	10.0	-6.3	30.0
Anthracene	Ave	1.060	1.042	0.7000	9.83	10.0	-1.7	30.0
Carbazole	Ave	0.9187	0.9928	0.0100	10.8	10.0	8.1	30.0
Di-n-butyl phthalate	Ave	1.057	1.182	0.0100	11.2	10.0	11.8	30.0
Fluoranthene	Ave	1.045	1.126	0.6000	10.8	10.0	7.8	30.0
Benzidine	Ave	0.5867	0.5766		19.7	20.0	-1.7	30.0
Pyrene	Ave	0.9294	0.9242	0.6000	9.94	10.0	-0.6	30.0
Butyl benzyl phthalate	Ave	0.4461	0.4702	0.0100	10.5	10.0	5.4	30.0
3,3'-Dichlorobenzidine	Ave	0.3543	0.3552	0.0100	20.0	20.0	0.2	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6201	0.6551	0.0100	10.6	10.0	5.6	30.0
Benzo[a]anthracene	Ave	1.026	0.998	0.8000	9.73	10.0	-2.7	30.0
Chrysene	Ave	0.9669	0.9765	0.7000	10.1	10.0	1.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab Sample ID: ICV 240-185312/11 Calibration Date: 06/16/2015 18:33
 Instrument ID: A4HP7 Calib Start Date: 06/16/2015 14:47
 GC Column: RXI-5SILMS ID: 0.45 (mm) Calib End Date: 06/16/2015 18:08
 Lab File ID: 50616011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.225	1.343	0.0100	11.0	10.0	9.7	30.0
Benzo[b]fluoranthene	Ave	1.121	1.125	0.7000	10.0	10.0	0.4	30.0
Benzo[k]fluoranthene	Ave	1.162	1.134	0.7000	9.76	10.0	-2.4	30.0
Benzo[a]pyrene	Ave	1.082	1.077	0.7000	9.95	10.0	-0.5	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.158	1.120	0.5000	9.67	10.0	-3.3	30.0
Dibenz(a,h)anthracene	Ave	1.007	0.996	0.4000	9.89	10.0	-1.1	30.0
Benzo[g,h,i]perylene	Ave	0.9661	0.9448	0.5000	9.78	10.0	-2.2	30.0
2-Fluorophenol (Surr)	Ave	1.202	1.338		11.1	10.0	11.3	30.0
Phenol-d5 (Surr)	Ave	1.537	1.702		11.1	10.0	10.7	30.0
Nitrobenzene-d5 (Surr)	Ave	0.3558	0.4008		11.3	10.0	12.6	30.0
2-Fluorobiphenyl (Surr)	Ave	1.179	1.246		10.6	10.0	5.6	30.0
2,4,6-Tribromophenol (Surr)	Ave	0.1457	0.1601		11.0	10.0	9.8	30.0
Terphenyl-d14 (Surr)	Ave	0.7259	0.7896		10.9	10.0	8.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Lab Sample ID: CCV 240-186915/2 Calibration Date: 06/26/2015 10:33

Instrument ID: A4HP7 Calib Start Date: 06/16/2015 14:47

GC Column: RXI-5SILMS ID: 0.45 (mm) Calib End Date: 06/16/2015 18:08

Lab File ID: 50626002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5575	0.6356		11.4	10.0	14.0	20.0
N-Nitrosodimethylamine	Ave	0.8349	0.8437		10.1	10.0	1.0	20.0
Pyridine	Ave	1.385	1.497		10.8	10.0	8.1	20.0
Benzaldehyde	Ave	1.028	0.9396	0.0100	18.3	20.0	-8.6	20.0
Phenol	Ave	1.813	1.852	0.8000	10.2	10.0	2.2	20.0
Aniline	Ave	2.116	2.161		10.2	10.0	2.1	20.0
Bis(2-chloroethyl)ether	Ave	1.362	1.353	0.7000	9.93	10.0	-0.7	20.0
2-Chlorophenol	Ave	1.360	1.321	0.8000	9.71	10.0	-2.9	20.0
n-Decane	Ave	1.757	1.878		10.7	10.0	6.9	20.0
1,3-Dichlorobenzene	Ave	1.509	1.448		9.60	10.0	-4.0	20.0
1,4-Dichlorobenzene	Ave	1.539	1.490		9.68	10.0	-3.2	20.0
Benzyl alcohol	Ave	0.9199	0.6905		7.51	10.0	-24.9*	20.0
1,2-Dichlorobenzene	Ave	1.456	1.388		9.53	10.0	-4.7	20.0
2-Methylphenol	Ave	1.211	1.173	0.7000	9.69	10.0	-3.1	20.0
Indene	Ave	2.171	2.168		20.0	20.0	-0.1	20.0
bis (2-chloroisopropyl) ether	Ave	1.907	2.109		11.1	10.0	10.6	20.0
Acetophenone	Ave	1.795	1.834	0.0100	10.2	10.0	2.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.8957	0.9682	0.5000	10.8	10.0	8.1	20.0
3 & 4 Methylphenol	Ave	1.230	1.317		10.7	10.0	7.0	20.0
Hexachloroethane	Ave	0.5755	0.5440	0.3000	9.45	10.0	-5.5	20.0
Nitrobenzene	Ave	0.3682	0.3771	0.2000	10.2	10.0	2.4	20.0
Isophorone	Ave	0.6517	0.6872	0.4000	10.5	10.0	5.4	20.0
2-Nitrophenol	Ave	0.1745	0.1788	0.1000	10.2	10.0	2.5	20.0
2,4-Dimethylphenol	Ave	0.3484	0.3344	0.2000	9.60	10.0	-4.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.3795	0.3911	0.3000	10.3	10.0	3.1	20.0
Benzoic acid	Lin1		0.1703		19.3	20.0	-3.4	20.0
2,4-Dichlorophenol	Ave	0.2632	0.2631	0.2000	10.0	10.0	-0.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3073	0.2940		9.57	10.0	-4.3	20.0
Naphthalene	Ave	0.9915	0.9742	0.7000	9.83	10.0	-1.7	20.0
4-Chloroaniline	Ave	0.4120	0.4280	0.0100	10.4	10.0	3.9	20.0
2,6-Dichlorophenol	Ave	0.2591	0.2546		9.83	10.0	-1.7	20.0
Hexachlorobutadiene	Ave	0.1758	0.1636	0.0100	9.31	10.0	-6.9	20.0
Caprolactam	Ave	0.0883	0.0932	0.0100	21.1	20.0	5.6	20.0
4-Chloro-3-methylphenol	Ave	0.2857	0.2988	0.2000	10.5	10.0	4.6	20.0
2-Methylnaphthalene	Ave	0.6633	0.6499	0.4000	9.80	10.0	-2.0	20.0
1-Methylnaphthalene	Ave	0.5819	0.5683		9.77	10.0	-2.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4843	0.4627	0.0100	9.55	10.0	-4.5	20.0
Hexachlorocyclopentadiene	Ave	0.3630	0.3013	0.0500	8.30	10.0	-17.0	20.0
2,4,6-Trichlorophenol	Ave	0.3390	0.3376	0.2000	9.96	10.0	-0.4	20.0
2,4,5-Trichlorophenol	Ave	0.3505	0.3305	0.2000	9.43	10.0	-5.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Lab Sample ID: CCV 240-186915/2 Calibration Date: 06/26/2015 10:33

Instrument ID: A4HP7 Calib Start Date: 06/16/2015 14:47

GC Column: RXI-5SILMS ID: 0.45 (mm) Calib End Date: 06/16/2015 18:08

Lab File ID: 50626002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.403	1.375	0.0100	9.80	10.0	-2.0	20.0
2-Chloronaphthalene	Ave	1.078	1.049	0.8000	9.73	10.0	-2.7	20.0
2-Nitroaniline	Ave	0.3443	0.3806	0.0100	11.1	10.0	10.5	20.0
Dimethyl phthalate	Ave	1.140	1.152	0.0100	10.1	10.0	1.0	20.0
1,3-Dinitrobenzene	Ave	0.1871	0.1982		10.6	10.0	6.0	20.0
2,6-Dinitrotoluene	Ave	0.2612	0.2735		10.5	10.0	4.7	20.0
Acenaphthylene	Ave	1.755	1.731	0.9000	9.86	10.0	-1.4	20.0
3-Nitroaniline	Ave	0.2904	0.3123	0.0100	10.8	10.0	7.5	20.0
Acenaphthene	Ave	1.078	1.048	0.9000	9.72	10.0	-2.8	20.0
2,4-Dinitrophenol	Lin1		0.1664	0.0100	19.9	20.0	-0.7	20.0
4-Nitrophenol	Ave	0.1623	0.1568		19.3	20.0	-3.4	20.0
2,4-Dinitrotoluene	Ave	0.3442	0.3502	0.2000	10.2	10.0	1.7	20.0
Dibenzofuran	Ave	1.530	1.470	0.8000	9.61	10.0	-3.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2691	0.2716	0.0100	10.1	10.0	0.9	20.0
Diethyl phthalate	Ave	1.098	1.039	0.0100	9.46	10.0	-5.4	20.0
Hexadecane	Ave	0.8418	0.9017		10.7	10.0	7.1	20.0
4-Chlorophenyl phenyl ether	Ave	0.5665	0.5314	0.4000	9.38	10.0	-6.2	20.0
Fluorene	Ave	1.202	1.123	0.9000	9.34	10.0	-6.6	20.0
4-Nitroaniline	Ave	0.2676	0.2999	0.0100	11.2	10.0	12.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1216	0.1201	0.0100	19.8	20.0	-1.2	20.0
N-Nitrosodiphenylamine	Ave	0.5003	0.4710	0.0100	18.8	20.0	-5.9	20.0
1,2-Diphenylhydrazine (as Azobenzene)	Ave	0.7618	0.7173		9.41	10.0	-5.9	20.0
Azobenzene	Ave	0.7619	0.7173		9.41	10.0	-5.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2004	0.1839	0.1000	9.17	10.0	-8.3	20.0
Hexachlorobenzene	Ave	0.2361	0.1991	0.1000	8.43	10.0	-15.7	20.0
Atrazine	Ave	0.1705	0.1787	0.0100	21.0	20.0	4.8	20.0
Pentachlorophenol	Ave	0.1288	0.1280	0.0500	19.9	20.0	-0.6	20.0
n-Octadecane	Ave	0.5434	0.5818		10.7	10.0	7.1	20.0
Phenanthrene	Ave	1.061	1.024	0.7000	9.66	10.0	-3.4	20.0
Anthracene	Ave	1.060	1.041	0.7000	9.83	10.0	-1.7	20.0
Carbazole	Ave	0.9187	0.996	0.0100	10.8	10.0	8.5	20.0
Di-n-butyl phthalate	Ave	1.057	1.174	0.0100	11.1	10.0	11.0	20.0
Fluoranthene	Ave	1.045	1.097	0.6000	10.5	10.0	5.0	20.0
Benzidine	Ave	0.5867	0.6250		21.3	20.0	6.5	20.0
Pyrene	Ave	0.9294	1.014	0.6000	10.9	10.0	9.1	20.0
Butyl benzyl phthalate	Ave	0.4461	0.4665	0.0100	10.5	10.0	4.6	20.0
3,3'-Dichlorobenzidine	Ave	0.3543	0.3656	0.0100	20.6	20.0	3.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6201	0.6385	0.0100	10.3	10.0	3.0	20.0
Benzo[a]anthracene	Ave	1.026	0.9608	0.8000	9.37	10.0	-6.3	20.0
Chrysene	Ave	0.9669	0.9202	0.7000	9.52	10.0	-4.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab Sample ID: CCV 240-186915/2 Calibration Date: 06/26/2015 10:33
 Instrument ID: A4HP7 Calib Start Date: 06/16/2015 14:47
 GC Column: RXI-5SILMS ID: 0.45 (mm) Calib End Date: 06/16/2015 18:08
 Lab File ID: 50626002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.225	1.360	0.0100	11.1	10.0	11.0	20.0
Benzo[b]fluoranthene	Ave	1.121	1.135	0.7000	10.1	10.0	1.3	20.0
Benzo[k]fluoranthene	Ave	1.162	1.168	0.7000	10.1	10.0	0.5	20.0
Benzo[a]pyrene	Ave	1.082	1.101	0.7000	10.2	10.0	1.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.158	1.231	0.5000	10.6	10.0	6.3	20.0
Dibenz(a,h)anthracene	Ave	1.007	1.076	0.4000	10.7	10.0	6.9	20.0
Benzo[g,h,i]perylene	Ave	0.9661	1.071	0.5000	11.1	10.0	10.8	20.0
2-Fluorophenol (Surr)	Ave	1.202	1.201		9.99	10.0	-0.0	20.0
Phenol-d5 (Surr)	Ave	1.537	1.573		10.2	10.0	2.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3558	0.3541		9.95	10.0	-0.5	20.0
2-Fluorobiphenyl (Surr)	Ave	1.179	1.125		9.54	10.0	-4.6	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1457	0.1531		10.5	10.0	5.1	20.0
Terphenyl-d14 (Surr)	Ave	0.7259	0.7124		9.81	10.0	-1.9	20.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-186497/5-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626003.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>30(g)</u>	Date Analyzed: <u>06/26/2015 11:00</u>
Con. Extract Vol.: <u>2(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	3.5	U	50	3.5
108-60-1	bis (2-chloroisopropyl) ether	9.5	U	100	9.5
95-95-4	2,4,5-Trichlorophenol	25	U	150	25
88-06-2	2,4,6-Trichlorophenol	8.9	U	150	8.9
120-83-2	2,4-Dichlorophenol	20	U	150	20
105-67-9	2,4-Dimethylphenol	20	U	150	20
51-28-5	2,4-Dinitrophenol	21	U	330	21
121-14-2	2,4-Dinitrotoluene	17	U	200	17
606-20-2	2,6-Dinitrotoluene	21	U	200	21
91-58-7	2-Chloronaphthalene	0.45	U	50	0.45
95-57-8	2-Chlorophenol	8.2	U	50	8.2
91-57-6	2-Methylnaphthalene	0.50	U	6.7	0.50
95-48-7	2-Methylphenol	11	U	200	11
88-74-4	2-Nitroaniline	9.1	U	200	9.1
88-75-5	2-Nitrophenol	8.3	U	50	8.3
91-94-1	3,3'-Dichlorobenzidine	18	U	100	18
99-09-2	3-Nitroaniline	16	U	200	16
534-52-1	4,6-Dinitro-2-methylphenol	9.2	U	150	9.2
101-55-3	4-Bromophenyl phenyl ether	13	U	50	13
59-50-7	4-Chloro-3-methylphenol	21	U	150	21
106-47-8	4-Chloroaniline	17	U	150	17
7005-72-3	4-Chlorophenyl phenyl ether	13	U	50	13
100-01-6	4-Nitroaniline	26	U	200	26
100-02-7	4-Nitrophenol	17	U	330	17
83-32-9	Acenaphthene	0.76	U	6.7	0.76
208-96-8	Acenaphthylene	0.35	U	6.7	0.35
98-86-2	Acetophenone	9.2	U	100	9.2
120-12-7	Anthracene	0.78	U	6.7	0.78
1912-24-9	Atrazine	9.1	U	200	9.1
100-52-7	Benzaldehyde	12	U	100	12
56-55-3	Benzo[a]anthracene	0.63	U	6.7	0.63
50-32-8	Benzo[a]pyrene	0.64	U	6.7	0.64
205-99-2	Benzo[b]fluoranthene	0.59	U	6.7	0.59
191-24-2	Benzo[g,h,i]perylene	0.35	U	6.7	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-186497/5-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626003.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>30(g)</u>	Date Analyzed: <u>06/26/2015 11:00</u>
Con. Extract Vol.: <u>2(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	0.68	U	6.7	0.68
111-91-1	Bis(2-chloroethoxy)methane	22	U	100	22
111-44-4	Bis(2-chloroethyl)ether	2.0	U	100	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	47.7	J	70	19
85-68-7	Butyl benzyl phthalate	10	U	70	10
105-60-2	Caprolactam	54.2	J	330	37
86-74-8	Carbazole	27	U	50	27
218-01-9	Chrysene	1.1	U	6.7	1.1
53-70-3	Dibenz(a,h)anthracene	0.66	U	6.7	0.66
132-64-9	Dibenzofuran	0.66	U	50	0.66
84-66-2	Diethyl phthalate	16	U	70	16
131-11-3	Dimethyl phthalate	17	U	70	17
84-74-2	Di-n-butyl phthalate	25.0	J	70	15
117-84-0	Di-n-octyl phthalate	7.9	U	70	7.9
206-44-0	Fluoranthene	0.55	U	6.7	0.55
86-73-7	Fluorene	0.53	U	6.7	0.53
118-74-1	Hexachlorobenzene	2.1	U	6.7	2.1
87-68-3	Hexachlorobutadiene	5.6	U	50	5.6
77-47-4	Hexachlorocyclopentadiene	8.1	U	330	8.1
67-72-1	Hexachloroethane	9.0	U	50	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	0.35	U	6.7	0.35
78-59-1	Isophorone	13	U	50	13
621-64-7	N-Nitrosodi-n-propylamine	6.3	U	50	6.3
86-30-6	N-Nitrosodiphenylamine	21	U	50	21
91-20-3	Naphthalene	0.82	U	6.7	0.82
98-95-3	Nitrobenzene	2.2	U	100	2.2
87-86-5	Pentachlorophenol	9.1	U	150	9.1
85-01-8	Phenanthrene	0.73	U	6.7	0.73
108-95-2	Phenol	7.3	U	50	7.3
129-00-0	Pyrene	0.44	U	6.7	0.44
15831-10-4	3 & 4 Methylphenol	20	U	400	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-186497/5-A
 Matrix: Solid Lab File ID: 50626003.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3540C Date Extracted: 06/24/2015 09:22
 Sample wt/vol: 30(g) Date Analyzed: 06/26/2015 11:00
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 186915 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	95		36-110
4165-62-2	Phenol-d5 (Surr)	86		26-110
4165-60-0	Nitrobenzene-d5 (Surr)	85		20-110
367-12-4	2-Fluorophenol (Surr)	80		24-110
321-60-8	2-Fluorobiphenyl (Surr)	83		24-110
118-79-6	2,4,6-Tribromophenol (Surr)	56		10-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-186497/6-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626004.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>30(g)</u>	Date Analyzed: <u>06/26/2015 11:25</u>
Con. Extract Vol.: <u>2(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	480		50	3.5
108-60-1	bis (2-chloroisopropyl) ether	498		100	9.5
95-95-4	2,4,5-Trichlorophenol	383		150	25
88-06-2	2,4,6-Trichlorophenol	415		150	8.9
120-83-2	2,4-Dichlorophenol	481		150	20
105-67-9	2,4-Dimethylphenol	415		150	20
51-28-5	2,4-Dinitrophenol	899		330	21
121-14-2	2,4-Dinitrotoluene	556		200	17
606-20-2	2,6-Dinitrotoluene	551		200	21
91-58-7	2-Chloronaphthalene	477		50	0.45
95-57-8	2-Chlorophenol	457		50	8.2
91-57-6	2-Methylnaphthalene	468		6.7	0.50
95-48-7	2-Methylphenol	484		200	11
88-74-4	2-Nitroaniline	584		200	9.1
88-75-5	2-Nitrophenol	470		50	8.3
91-94-1	3,3'-Dichlorobenzidine	1020		100	18
99-09-2	3-Nitroaniline	556		200	16
534-52-1	4,6-Dinitro-2-methylphenol	1020		150	9.2
101-55-3	4-Bromophenyl phenyl ether	505		50	13
59-50-7	4-Chloro-3-methylphenol	522		150	21
106-47-8	4-Chloroaniline	461		150	17
7005-72-3	4-Chlorophenyl phenyl ether	496		50	13
100-01-6	4-Nitroaniline	562		200	26
100-02-7	4-Nitrophenol	880		330	17
83-32-9	Acenaphthene	496		6.7	0.76
208-96-8	Acenaphthylene	493		6.7	0.35
98-86-2	Acetophenone	481		100	9.2
120-12-7	Anthracene	535		6.7	0.78
1912-24-9	Atrazine	1260		200	9.1
100-52-7	Benzaldehyde	940		100	12
56-55-3	Benzo[a]anthracene	521		6.7	0.63
50-32-8	Benzo[a]pyrene	542		6.7	0.64
205-99-2	Benzo[b]fluoranthene	563		6.7	0.59
191-24-2	Benzo[g,h,i]perylene	602		6.7	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-186497/6-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626004.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>30(g)</u>	Date Analyzed: <u>06/26/2015 11:25</u>
Con. Extract Vol.: <u>2(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	536		6.7	0.68
111-91-1	Bis(2-chloroethoxy)methane	489		100	22
111-44-4	Bis(2-chloroethyl)ether	451		100	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	620		70	19
85-68-7	Butyl benzyl phthalate	577		70	10
105-60-2	Caprolactam	1250		330	37
86-74-8	Carbazole	601		50	27
218-01-9	Chrysene	557		6.7	1.1
53-70-3	Dibenz(a,h)anthracene	587		6.7	0.66
132-64-9	Dibenzofuran	495		50	0.66
84-66-2	Diethyl phthalate	525		70	16
131-11-3	Dimethyl phthalate	530		70	17
84-74-2	Di-n-butyl phthalate	651		70	15
117-84-0	Di-n-octyl phthalate	592		70	7.9
206-44-0	Fluoranthene	592		6.7	0.55
86-73-7	Fluorene	502		6.7	0.53
118-74-1	Hexachlorobenzene	460		6.7	2.1
87-68-3	Hexachlorobutadiene	398		50	5.6
77-47-4	Hexachlorocyclopentadiene	188	J	330	8.1
67-72-1	Hexachloroethane	387		50	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	583		6.7	0.35
78-59-1	Isophorone	499		50	13
621-64-7	N-Nitrosodi-n-propylamine	512		50	6.3
86-30-6	N-Nitrosodiphenylamine	1040		50	21
91-20-3	Naphthalene	446		6.7	0.82
98-95-3	Nitrobenzene	452		100	2.2
87-86-5	Pentachlorophenol	782		150	9.1
85-01-8	Phenanthrene	527		6.7	0.73
108-95-2	Phenol	489		50	7.3
129-00-0	Pyrene	600		6.7	0.44
15831-10-4	3 & 4 Methylphenol	520		400	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-186497/6-A
Matrix: Solid Lab File ID: 50626004.D
Analysis Method: 8270D Date Collected: _____
Extract. Method: 3540C Date Extracted: 06/24/2015 09:22
Sample wt/vol: 30(g) Date Analyzed: 06/26/2015 11:25
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 186915 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	83		36-110
4165-62-2	Phenol-d5 (Surr)	78		26-110
4165-60-0	Nitrobenzene-d5 (Surr)	71		20-110
367-12-4	2-Fluorophenol (Surr)	73		24-110
321-60-8	2-Fluorobiphenyl (Surr)	74		24-110
118-79-6	2,4,6-Tribromophenol (Surr)	68		10-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MS</u>	Lab Sample ID: <u>240-52297-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626008.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>06/22/2015 11:00</u>
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>30.10(g)</u>	Date Analyzed: <u>06/26/2015 13:05</u>
Con. Extract Vol.: <u>2(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	617		120	8.7
108-60-1	bis (2-chloroisopropyl) ether	646		250	24
95-95-4	2,4,5-Trichlorophenol	529		370	62
88-06-2	2,4,6-Trichlorophenol	519		370	22
120-83-2	2,4-Dichlorophenol	586		370	50
105-67-9	2,4-Dimethylphenol	573		370	50
51-28-5	2,4-Dinitrophenol	720	J	820	52
121-14-2	2,4-Dinitrotoluene	620		500	42
606-20-2	2,6-Dinitrotoluene	622		500	52
91-58-7	2-Chloronaphthalene	588		120	1.1
95-57-8	2-Chlorophenol	569		120	20
91-57-6	2-Methylnaphthalene	670		17	1.2
95-48-7	2-Methylphenol	643		500	27
88-74-4	2-Nitroaniline	655		500	23
88-75-5	2-Nitrophenol	608		120	21
91-94-1	3,3'-Dichlorobenzidine	722		250	45
99-09-2	3-Nitroaniline	515		500	40
534-52-1	4,6-Dinitro-2-methylphenol	760		370	23
101-55-3	4-Bromophenyl phenyl ether	583		120	32
59-50-7	4-Chloro-3-methylphenol	586		370	52
106-47-8	4-Chloroaniline	453		370	42
7005-72-3	4-Chlorophenyl phenyl ether	582		120	32
100-01-6	4-Nitroaniline	548		500	65
100-02-7	4-Nitrophenol	1250		820	42
83-32-9	Acenaphthene	899		17	1.9
208-96-8	Acenaphthylene	631		17	0.87
98-86-2	Acetophenone	618		250	23
120-12-7	Anthracene	930		17	1.9
1912-24-9	Atrazine	1380		500	23
100-52-7	Benzaldehyde	1310		250	30
56-55-3	Benzo[a]anthracene	1430		17	1.6
50-32-8	Benzo[a]pyrene	1470		17	1.6
205-99-2	Benzo[b]fluoranthene	1770		17	1.5
191-24-2	Benzo[g,h,i]perylene	861		17	0.87

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MS</u>	Lab Sample ID: <u>240-52297-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626008.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>06/22/2015 11:00</u>
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>30.10(g)</u>	Date Analyzed: <u>06/26/2015 13:05</u>
Con. Extract Vol.: <u>2(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	1120		17	1.7
111-91-1	Bis(2-chloroethoxy)methane	615		250	55
111-44-4	Bis(2-chloroethyl)ether	609		250	5.0
117-81-7	Bis(2-ethylhexyl) phthalate	690		170	47
85-68-7	Butyl benzyl phthalate	643		170	25
105-60-2	Caprolactam	1440		820	92
86-74-8	Carbazole	886		120	67
218-01-9	Chrysene	1580		17	2.7
53-70-3	Dibenz(a,h)anthracene	575		17	1.6
132-64-9	Dibenzofuran	723		120	1.6
84-66-2	Diethyl phthalate	633		170	40
131-11-3	Dimethyl phthalate	621		170	42
84-74-2	Di-n-butyl phthalate	724		170	37
117-84-0	Di-n-octyl phthalate	703		170	20
206-44-0	Fluoranthene	2490		17	1.4
86-73-7	Fluorene	789		17	1.3
118-74-1	Hexachlorobenzene	475		17	5.2
87-68-3	Hexachlorobutadiene	541		120	14
77-47-4	Hexachlorocyclopentadiene	20	U	820	20
67-72-1	Hexachloroethane	474		120	22
193-39-5	Indeno[1,2,3-cd]pyrene	883		17	0.87
78-59-1	Isophorone	640		120	32
621-64-7	N-Nitrosodi-n-propylamine	656		120	16
86-30-6	N-Nitrosodiphenylamine	1200		120	52
91-20-3	Naphthalene	1160		17	2.0
98-95-3	Nitrobenzene	609		250	5.5
87-86-5	Pentachlorophenol	633		370	23
85-01-8	Phenanthrene	1750		17	1.8
108-95-2	Phenol	610		120	18
129-00-0	Pyrene	2290		17	1.1
15831-10-4	3 & 4 Methylphenol	643	J	1000	50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MS</u>	Lab Sample ID: <u>240-52297-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626008.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>06/22/2015 11:00</u>
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>30.10(g)</u>	Date Analyzed: <u>06/26/2015 13:05</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	69		36-110
4165-62-2	Phenol-d5 (Surr)	75		26-110
4165-60-0	Nitrobenzene-d5 (Surr)	73		20-110
367-12-4	2-Fluorophenol (Surr)	75		24-110
321-60-8	2-Fluorobiphenyl (Surr)	74		24-110
118-79-6	2,4,6-Tribromophenol (Surr)	62		10-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MSD</u>	Lab Sample ID: <u>240-52297-1 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626009.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>06/22/2015 11:00</u>
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>29.94(g)</u>	Date Analyzed: <u>06/26/2015 13:30</u>
Con. Extract Vol.: <u>2(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	648		130	8.8
108-60-1	bis (2-chloroisopropyl) ether	702		250	24
95-95-4	2,4,5-Trichlorophenol	523		380	63
88-06-2	2,4,6-Trichlorophenol	493		380	22
120-83-2	2,4-Dichlorophenol	633		380	50
105-67-9	2,4-Dimethylphenol	639		380	50
51-28-5	2,4-Dinitrophenol	418	J	830	53
121-14-2	2,4-Dinitrotoluene	685		500	43
606-20-2	2,6-Dinitrotoluene	694		500	53
91-58-7	2-Chloronaphthalene	636		130	1.1
95-57-8	2-Chlorophenol	624		130	21
91-57-6	2-Methylnaphthalene	701		17	1.3
95-48-7	2-Methylphenol	704		500	28
88-74-4	2-Nitroaniline	707		500	23
88-75-5	2-Nitrophenol	608		130	21
91-94-1	3,3'-Dichlorobenzidine	1050		250	45
99-09-2	3-Nitroaniline	625		500	40
534-52-1	4,6-Dinitro-2-methylphenol	451		380	23
101-55-3	4-Bromophenyl phenyl ether	648		130	33
59-50-7	4-Chloro-3-methylphenol	674		380	53
106-47-8	4-Chloroaniline	508		380	43
7005-72-3	4-Chlorophenyl phenyl ether	647		130	33
100-01-6	4-Nitroaniline	674		500	65
100-02-7	4-Nitrophenol	1290		830	43
83-32-9	Acenaphthene	810		17	1.9
208-96-8	Acenaphthylene	682		17	0.88
98-86-2	Acetophenone	666		250	23
120-12-7	Anthracene	866		17	2.0
1912-24-9	Atrazine	1550		500	23
100-52-7	Benzaldehyde	1410		250	30
56-55-3	Benzo[a]anthracene	1540		17	1.6
50-32-8	Benzo[a]pyrene	1520		17	1.6
205-99-2	Benzo[b]fluoranthene	1720		17	1.5
191-24-2	Benzo[g,h,i]perylene	897		17	0.88

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MSD</u>	Lab Sample ID: <u>240-52297-1 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626009.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>06/22/2015 11:00</u>
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>29.94(g)</u>	Date Analyzed: <u>06/26/2015 13:30</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
207-08-9	Benzo[k]fluoranthene	1160		17	1.7
111-91-1	Bis(2-chloroethoxy)methane	652		250	55
111-44-4	Bis(2-chloroethyl)ether	660		250	5.0
117-81-7	Bis(2-ethylhexyl) phthalate	758		180	48
85-68-7	Butyl benzyl phthalate	699		180	25
105-60-2	Caprolactam	1640		830	93
86-74-8	Carbazole	853		130	68
218-01-9	Chrysene	1740		17	2.8
53-70-3	Dibenz(a,h)anthracene	651		17	1.7
132-64-9	Dibenzofuran	703		130	1.7
84-66-2	Diethyl phthalate	699		180	40
131-11-3	Dimethyl phthalate	658		180	43
84-74-2	Di-n-butyl phthalate	798		180	38
117-84-0	Di-n-octyl phthalate	758		180	20
206-44-0	Fluoranthene	2380		17	1.4
86-73-7	Fluorene	744		17	1.3
118-74-1	Hexachlorobenzene	538		17	5.3
87-68-3	Hexachlorobutadiene	575		130	14
77-47-4	Hexachlorocyclopentadiene	20	U	830	20
67-72-1	Hexachloroethane	490		130	23
193-39-5	Indeno[1,2,3-cd]pyrene	929		17	0.88
78-59-1	Isophorone	690		130	33
621-64-7	N-Nitrosodi-n-propylamine	704		130	16
86-30-6	N-Nitrosodiphenylamine	1320		130	53
91-20-3	Naphthalene	1160		17	2.1
98-95-3	Nitrobenzene	641		250	5.5
87-86-5	Pentachlorophenol	617		380	23
85-01-8	Phenanthrene	1450		17	1.8
108-95-2	Phenol	673		130	18
129-00-0	Pyrene	2490		17	1.1
15831-10-4	3 & 4 Methylphenol	727	J	1000	50

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MSD</u>	Lab Sample ID: <u>240-52297-1 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>50626009.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>06/22/2015 11:00</u>
Extract. Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:22</u>
Sample wt/vol: <u>29.94(g)</u>	Date Analyzed: <u>06/26/2015 13:30</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186915</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	75		36-110
4165-62-2	Phenol-d5 (Surr)	83		26-110
4165-60-0	Nitrobenzene-d5 (Surr)	76		20-110
367-12-4	2-Fluorophenol (Surr)	77		24-110
321-60-8	2-Fluorobiphenyl (Surr)	76		24-110
118-79-6	2,4,6-Tribromophenol (Surr)	59		10-110

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A4HP7 Start Date: 06/16/2015 14:23Analysis Batch Number: 185312 End Date: 06/16/2015 18:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-185312/1		06/16/2015 14:23	1	50616001.D	RXI-5SILMS 0.45 (mm)
STD5 240-185312/2 IC		06/16/2015 14:47	1	50616002.D	RXI-5SILMS 0.45 (mm)
STD4 240-185312/3 IC		06/16/2015 15:12	1	50616003.D	RXI-5SILMS 0.45 (mm)
STD3 240-185312/4 IC		06/16/2015 15:37	1	50616004.D	RXI-5SILMS 0.45 (mm)
STD2 240-185312/5 IC		06/16/2015 16:02	1	50616005.D	RXI-5SILMS 0.45 (mm)
STD1 240-185312/6 IC		06/16/2015 16:28	1	50616006.D	RXI-5SILMS 0.45 (mm)
STD9 240-185312/7 IC		06/16/2015 16:53	1	50616007.D	RXI-5SILMS 0.45 (mm)
STD8 240-185312/8 IC		06/16/2015 17:18	1	50616008.D	RXI-5SILMS 0.45 (mm)
STD7 240-185312/9 IC		06/16/2015 17:43	1	50616009.D	RXI-5SILMS 0.45 (mm)
STD6 240-185312/10 ICIS		06/16/2015 18:08	1	50616010.D	RXI-5SILMS 0.45 (mm)
ICV 240-185312/11		06/16/2015 18:33	1	50616011.D	RXI-5SILMS 0.45 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A4HP7 Start Date: 06/26/2015 10:08Analysis Batch Number: 186915 End Date: 06/26/2015 13:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-186915/1		06/26/2015 10:08	1	50626001.D	RXI-5SILMS 0.45 (mm)
CCV 240-186915/2 CCVIS		06/26/2015 10:33	1	50626002.D	RXI-5SILMS 0.45 (mm)
MB 240-186497/5-A		06/26/2015 11:00	1	50626003.D	RXI-5SILMS 0.45 (mm)
LCS 240-186497/6-A		06/26/2015 11:25	1	50626004.D	RXI-5SILMS 0.45 (mm)
240-52297-1	MRC-DPAN-062215	06/26/2015 12:40	2	50626007.D	RXI-5SILMS 0.45 (mm)
240-52297-1 MS	MRC-DPAN-062215 MS	06/26/2015 13:05	2	50626008.D	RXI-5SILMS 0.45 (mm)
240-52297-1 MSD	MRC-DPAN-062215 MSD	06/26/2015 13:30	2	50626009.D	RXI-5SILMS 0.45 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Batch Number: 186497 Batch Start Date: 06/24/15 12:40 Batch Analyst: Earle, SteveBatch Method: 3540C Batch End Date: 06/25/15 04:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	exBENZALDEHYD 00025	exBNASPIKE 00044	EXBNASURR W 00024	
240-52297-D-1	MRC-DPAN-062215	3540C, 8270D	T	29.85 g	2 mL			1 mL	
240-52297-D-1 MS	MRC-DPAN-062215	3540C, 8270D	T	30.10 g	2 mL	1 mL	1 mL	1 mL	
240-52297-D-1 MSD	MRC-DPAN-062215	3540C, 8270D	T	29.94 g	2 mL	1 mL	1 mL	1 mL	
MB 240-186497/5		3540C, 8270D		30 g	2 mL			1 mL	
LCS 240-186497/6		3540C, 8270D		30 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	1339912
Na2SO4 Lot Number	2028838
Prep Solvent Lot #	2056881

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8015C – GRO

Nonhalogenated Organics using GC/FID
– Modified (Gasoline Range Organics)
by Method 8015C

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
MRC-DPAN-062215	240-52297-1	67
	MB 240-186849/1-A	64
	LCS 240-186849/2-A	85
MRC-DPAN-062215 MS	240-52297-1 MS	47
MRC-DPAN-062215 MSD	240-52297-1 MSD	43

TFT = Trifluorotoluene (Surr)

QC LIMITS
40-139

Column to be used to flag recovery values

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: MB 240-186849/1-A
Matrix: Solid Date Extracted: 06/26/2015 05:34
Lab File ID: (1) A0062605.D Lab File ID: (2) _____
Date Analyzed: (1) 06/26/2015 07:50 Date Analyzed: (2) _____
Instrument ID: (1) AFID Instrument ID: (2) _____
GC Column: (1) RTX-VRX ID: 0.45 (mm) GC Column: (2) _____ ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-186849/2-A	06/26/2015 08:27	
MRC-DPAN-062215	240-52297-1	06/26/2015 09:04	
MRC-DPAN-062215 MS	240-52297-1 MS	06/26/2015 09:41	
MRC-DPAN-062215 MSD	240-52297-1 MSD	06/26/2015 10:18	

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: STD4 240-172938/7 Date Analyzed: 03/20/2015 17:15
 Instrument ID: AFID GC Column: RTX-VRX ID: 0.45 (mm)
 Lab File ID (Standard): A0032007.D Heated Purge: (Y/N) N
 Calibration ID: 27457

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TFT		
				RT #		
INITIAL CALIBRATION SURROGATE				10.35		
UPPER LIMIT				10.45		
LOWER LIMIT				10.25		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD4 240-172938/7 ICRT		03/20/2015 17:15	A0032007.D	10.35		
ICV 240-172938/10		03/20/2015 19:08	A0032010.D	10.34		

TFT = Trifluorotoluene (Surr)

TFT RT Limit = $\pm$ 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: CCVRT 240-186851/4 Date Analyzed: 06/26/2015 07:11
 Instrument ID: AFID GC Column: RTX-VRX ID: 0.45 (mm)
 Lab File ID (Standard): A0062604.D Heated Purge: (Y/N) N
 Calibration ID: 27457

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TFT		
				RT #		
CONTINUING CALIBRATION SURROGATE				10.40		
UPPER LIMIT				10.50		
LOWER LIMIT				10.30		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 240-186851/4		06/26/2015 07:11	A0062604.D	10.40		
MB 240-186849/1-A		06/26/2015 07:50	A0062605.D	10.40		
LCS 240-186849/2-A		06/26/2015 08:27	A0062606.D	10.40		
240-52297-1	MRC-DPAN-062215	06/26/2015 09:04	A0062607.D	10.40		
240-52297-1 MS	MRC-DPAN-062215 MS	06/26/2015 09:41	A0062608.D	10.40		
240-52297-1 MSD	MRC-DPAN-062215 MSD	06/26/2015 10:18	A0062609.D	10.40		
CCV 240-186851/10		06/26/2015 10:57	A0062610.D	10.40		

TFT = Trifluorotoluene (Surr)

TFT RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: MRC-DPAN-062215 Lab Sample ID: 240-52297-1
 Matrix: Solid Lab File ID: A0062607.D
 Analysis Method: 8015C Date Collected: 06/22/2015 11:00
 Sample wt/vol: 4.99(g) Date Analyzed: 06/26/2015 09:04
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: 20.2 Level: (low/med) Low
 Analysis Batch No.: 186851 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	58	U	130	58

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	67		40-139

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 172938

SDG No.: _____

Instrument ID: AFID GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2015 15:23 Calibration End Date: 03/20/2015 18:32 Calibration ID: 27457

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-172938/4	A0032004.D
Level 2	STD2 240-172938/5	A0032005.D
Level 3	STD3 240-172938/6	A0032006.D
Level 4	STD4 240-172938/7	A0032007.D
Level 5	STD5 240-172938/8	A0032008.D
Level 6	STD6 240-172938/9	A0032009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Gasoline Range Organics [C6 - C10]	11.475	11.475	11.475	11.475	11.475	11.475					5.806 - 17.144	11.475
C6-C12	12.711	12.711	12.711	12.711	12.711	12.711					5.806 - 19.616	12.711
Trifluorotoluene (Surr)	10.349	10.351	10.348	10.346	10.347	10.343					10.295 - 10.395	10.347

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 172938

SDG No.: _____

Instrument ID: AFID GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2015 15:23 Calibration End Date: 03/20/2015 18:32 Calibration ID: 27457

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-172938/4	A0032004.D
Level 2	STD2 240-172938/5	A0032005.D
Level 3	STD3 240-172938/6	A0032006.D
Level 4	STD4 240-172938/7	A0032007.D
Level 5	STD5 240-172938/8	A0032008.D
Level 6	STD6 240-172938/9	A0032009.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Gasoline Range Organics [C6 - C10]	390324 434837	366847 434422	414519	430703	Ave		411941.682				6.8		20.0			
C6-C12	560634 475889	446280 472894	465674	475508	Ave		482813.084				8.2		20.0			
Trifluorotoluene (Surr)	736631 443485	563957 438051	500502	415468	Lin	197229.785	433075.344							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 172938

SDG No.: _____

Instrument ID: AFID GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2015 15:23 Calibration End Date: 03/20/2015 18:32 Calibration ID: 27457

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-172938/4	A0032004.D
Level 2	STD2 240-172938/5	A0032005.D
Level 3	STD3 240-172938/6	A0032006.D
Level 4	STD4 240-172938/7	A0032007.D
Level 5	STD5 240-172938/8	A0032008.D
Level 6	STD6 240-172938/9	A0032009.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Gasoline Range Organics [C6 - C10]	Ave	39032367 695074719	73369336	165807446	344562139	521804102	100 1600	200	400	800	1200
C6-C12	Ave	56063389 756629866	89255958	186269479	380406375	571067389	100 1600	200	400	800	1200
Trifluorotoluene (Surr)	Lin	736631 21902574	1127914	2502511	4154678	8869701	1.00 50.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average
Lin = Linear

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Lab Sample ID: ICV 240-172938/10 Calibration Date: 03/20/2015 19:08
 Instrument ID: AFID Calib Start Date: 03/20/2015 15:23
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 03/20/2015 18:32
 Lab File ID: A0032010.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics [C6 - C10]	Ave	411942	435680		846	800	5.8	20.0
C6-C12	Ave	482813	476579		790	800	-1.3	20.0
Trifluorotoluene (Surr)	Lin		450889		9.96	10.0	-0.4	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: ICV 240-172938/10 Calibration Date: 03/20/2015 19:08
Instrument ID: AFID Calib Start Date: 03/20/2015 15:23
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 03/20/2015 18:32
Lab File ID: A0032010.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Gasoline Range Organics [C6 - C10]	11.48	5.81	17.14
C6-C12	12.71	5.81	19.62
Trifluorotoluene (Surr)	10.34	10.30	10.40

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCVRT 240-186851/4 Calibration Date: 06/26/2015 07:11
Instrument ID: AFID Calib Start Date: 03/20/2015 15:23
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 03/20/2015 18:32
Lab File ID: A0062604.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics [C6 - C10]	Ave	411942	415150		806	800	0.8	20.0
C6-C12	Ave	482813	450387		746	800	-6.7	20.0
Trifluorotoluene (Surr)	Lin		352224		7.68	10.0	-23.2*	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCVRT 240-186851/4 Calibration Date: 06/26/2015 07:11
Instrument ID: AFID Calib Start Date: 03/20/2015 15:23
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 03/20/2015 18:32
Lab File ID: A0062604.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Gasoline Range Organics [C6 - C10]	11.57	5.99	17.15
C6-C12	12.82	5.99	19.65
Trifluorotoluene (Surr)	10.40	10.35	10.45

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCV 240-186851/10 Calibration Date: 06/26/2015 10:57
Instrument ID: AFID Calib Start Date: 03/20/2015 15:23
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 03/20/2015 18:32
Lab File ID: A0062610.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics [C6 - C10]	Ave	411942	442194		859	800	7.3	20.0
C6-C12	Ave	482813	478584		793	800	-0.9	20.0
Trifluorotoluene (Surr)	Lin		358649		7.83	10.0	-21.7*	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCV 240-186851/10 Calibration Date: 06/26/2015 10:57
Instrument ID: AFID Calib Start Date: 03/20/2015 15:23
GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 03/20/2015 18:32
Lab File ID: A0062610.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Gasoline Range Organics [C6 - C10]	11.57	5.99	17.15
C6-C12	12.82	5.99	19.65
Trifluorotoluene (Surr)	10.40	10.35	10.45

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-186849/1-A
 Matrix: Solid Lab File ID: A0062605.D
 Analysis Method: 8015C Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 06/26/2015 07:50
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 186851 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	46	U	100	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	64		40-139

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-186849/2-A
 Matrix: Solid Lab File ID: A0062606.D
 Analysis Method: 8015C Date Collected: _____
 Sample wt/vol: 5(g) Date Analyzed: 06/26/2015 08:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 186851 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	788		100	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	85		40-139

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: MRC-DPAN-062215 MS Lab Sample ID: 240-52297-1 MS
 Matrix: Solid Lab File ID: A0062608.D
 Analysis Method: 8015C Date Collected: 06/22/2015 11:00
 Sample wt/vol: 5.00(g) Date Analyzed: 06/26/2015 09:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: 20.2 Level: (low/med) Low
 Analysis Batch No.: 186851 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	416		130	58

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	47		40-139

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: MRC-DPAN-062215 MSD Lab Sample ID: 240-52297-1 MSD
 Matrix: Solid Lab File ID: A0062609.D
 Analysis Method: 8015C Date Collected: 06/22/2015 11:00
 Sample wt/vol: 5.01(g) Date Analyzed: 06/26/2015 10:18
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: 20.2 Level: (low/med) Low
 Analysis Batch No.: 186851 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	279		130	58

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	43		40-139

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-52297-1

SDG No.: _____

Instrument ID: AFIDStart Date: 03/20/2015 15:23Analysis Batch Number: 172938End Date: 03/21/2015 08:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-172938/4 IC		03/20/2015 15:23	1	A0032004.D	RTX-VRX 0.45 (mm)
STD2 240-172938/5 IC		03/20/2015 16:00	1	A0032005.D	RTX-VRX 0.45 (mm)
STD3 240-172938/6 IC		03/20/2015 16:37	1	A0032006.D	RTX-VRX 0.45 (mm)
STD4 240-172938/7 ICRT		03/20/2015 17:15	1	A0032007.D	RTX-VRX 0.45 (mm)
STD5 240-172938/8 IC		03/20/2015 17:54	1	A0032008.D	RTX-VRX 0.45 (mm)
STD6 240-172938/9 IC		03/20/2015 18:32	1	A0032009.D	RTX-VRX 0.45 (mm)
ICV 240-172938/10		03/20/2015 19:08	1	A0032010.D	RTX-VRX 0.45 (mm)
ZZZZZ		03/20/2015 19:46	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/20/2015 20:23	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/20/2015 21:01	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/20/2015 21:36	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/20/2015 22:13	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/20/2015 22:50	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/20/2015 23:27	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/21/2015 00:03	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/21/2015 00:41	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/21/2015 01:18	1		RTX-VRX 0.45 (mm)
CCV 240-172938/21		03/21/2015 01:55	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/21/2015 02:31	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/21/2015 03:06	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/21/2015 03:43	1		RTX-VRX 0.45 (mm)
ZZZZZ		03/21/2015 04:20	1		RTX-VRX 0.45 (mm)
CCV 240-172938/31		03/21/2015 08:00	1		RTX-VRX 0.45 (mm)

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: AFID Start Date: 06/26/2015 07:11Analysis Batch Number: 186851 End Date: 06/26/2015 10:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 240-186851/4		06/26/2015 07:11	1	A0062604.D	RTX-VRX 0.45 (mm)
MB 240-186849/1-A		06/26/2015 07:50	1	A0062605.D	RTX-VRX 0.45 (mm)
LCS 240-186849/2-A		06/26/2015 08:27	1	A0062606.D	RTX-VRX 0.45 (mm)
240-52297-1	MRC-DPAN-062215	06/26/2015 09:04	1	A0062607.D	RTX-VRX 0.45 (mm)
240-52297-1 MS	MRC-DPAN-062215 MS	06/26/2015 09:41	1	A0062608.D	RTX-VRX 0.45 (mm)
240-52297-1 MSD	MRC-DPAN-062215 MSD	06/26/2015 10:18	1	A0062609.D	RTX-VRX 0.45 (mm)
CCV 240-186851/10		06/26/2015 10:57	1	A0062610.D	RTX-VRX 0.45 (mm)

GC VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Batch Number: 186849 Batch Start Date: 06/26/15 05:34 Batch Analyst: Reed, Rachel TBatch Method: 5030A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 240-186849/1		5030A, 8015C		5 g	5 mL				
LCS 240-186849/2		5030A, 8015C		5 g	5 mL				
240-52297-A-1	MRC-DPAN-062215	5030A, 8015C	T	4.99 g	5 mL				
240-52297-A-1 MS	MRC-DPAN-062215	5030A, 8015C	T	5.00 g	5 mL				
240-52297-A-1 MSD	MRC-DPAN-062215	5030A, 8015C	T	5.01 g	5 mL				

Batch Notes	
Balance ID	B045
Blank Soil Lot Number	1757979

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8015C – DRO

Nonhalogenated Organics using GC/FID
– Modified (Diesel Range Organics)
by Method 8015C

FORM II
DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): _____ ID: _____

Client Sample ID	Lab Sample ID	OTPH1 #
MRC-DPAN-062215	240-52297-1	68
	MB 240-186501/5-A	72
	LCS 240-186501/6-A	67
MRC-DPAN-062215 MS	240-52297-1 MS	78
MRC-DPAN-062215 MSD	240-52297-1 MSD	77

OTPH = o-Terphenyl (Surr)

QC LIMITS
40-160

Column to be used to flag recovery values

FORM II 8015C

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: P5F62508.D
Lab ID: LCS 240-186501/6-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Diesel	83.3	63.7	76	52-120	

Column to be used to flag recovery and RPD values

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: P5F62520.D
Lab ID: 240-52297-1 MS Client ID: MRC-DPAN-062215 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Diesel	103	65	184	115	10-124	

Column to be used to flag recovery and RPD values

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: P5F62521.D
Lab ID: 240-52297-1 MSD Client ID: MRC-DPAN-062215 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Diesel	103	152	84	19	40	10-124	

Column to be used to flag recovery and RPD values

FORM IV
DIESEL RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: MB 240-186501/5-A
Matrix: Solid Date Extracted: 06/24/2015 09:33
Lab File ID: (1) P5F62507.D Lab File ID: (2) _____
Date Analyzed: (1) 06/25/2015 16:31 Date Analyzed: (2) _____
Instrument ID: (1) A2HP5F Instrument ID: (2) _____
GC Column: (1) _____ ID: _____ GC Column: (2) _____ ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-186501/6-A	06/25/2015 17:02	
MRC-DPAN-062215	240-52297-1	06/25/2015 22:47	
MRC-DPAN-062215 MS	240-52297-1 MS	06/25/2015 23:18	
MRC-DPAN-062215 MSD	240-52297-1 MSD	06/25/2015 23:49	

FORM VIII
DIESEL RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: STD3 240-183956/9 Date Analyzed: 06/05/2015 18:47
 Instrument ID: A2HP5F GC Column: _____ ID: ()
 Lab File ID (Standard): P5F60509.D Heated Purge: (Y/N) N
 Calibration ID: 28880

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				OTPH		
				RT #		
INITIAL CALIBRATION SURROGATE				9.84		
UPPER LIMIT				9.94		
LOWER LIMIT				9.74		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD3 240-183956/9 ICRT		06/05/2015 18:47	P5F60509.D	9.84		

Column used to flag values outside QC limits

FORM VIII
DIESEL RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Sample No.: CCV 240-186787/6 Date Analyzed: 06/25/2015 16:00
 Instrument ID: A2HP5F GC Column: _____ ID: ()
 Lab File ID (Standard): P5F62506.D Heated Purge: (Y/N) N
 Calibration ID: 28880

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				OTPH		
				RT #		
CONTINUING CALIBRATION SURROGATE				9.82		
UPPER LIMIT				9.92		
LOWER LIMIT				9.72		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-186787/6 CCVRT		06/25/2015 16:00	P5F62506.D	9.82		
MB 240-186501/5-A		06/25/2015 16:31	P5F62507.D	9.82		
LCS 240-186501/6-A		06/25/2015 17:02	P5F62508.D	9.82		
CCV 240-186787/13		06/25/2015 19:39	P5F62513.D	9.82		
240-52297-1	MRC-DPAN-062215	06/25/2015 22:47	P5F62519.D	9.82		
240-52297-1 MS	MRC-DPAN-062215 MS	06/25/2015 23:18	P5F62520.D	9.82		
240-52297-1 MSD	MRC-DPAN-062215 MSD	06/25/2015 23:49	P5F62521.D	9.82		
CCV 240-186787/22		06/26/2015 00:20	P5F62522.D	9.82		

OTPH = o-Terphenyl

OTPH RT Limit = $\pm$ 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215</u>	Lab Sample ID: <u>240-52297-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>P5F62519.D</u>
Analysis Method: <u>8015C</u>	Date Collected: <u>06/22/2015 11:00</u>
Extraction Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:33</u>
Sample wt/vol: <u>30.30(g)</u>	Date Analyzed: <u>06/25/2015 22:47</u>
Con. Extract Vol.: <u>5(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: _____ ID: _____
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186787</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00141	Total Petroleum Hydrocarbons (C10-C32)	95		21	7.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	68		40-160

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 183956

SDG No.: _____

Instrument ID: A2HP5F GC Column: _____ ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2015 17:44 Calibration End Date: 06/05/2015 19:49 Calibration ID: 28880

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-183956/7	P5F60507.D
Level 2	STD2 240-183956/8	P5F60508.D
Level 3	STD3 240-183956/9	P5F60509.D
Level 4	STD4 240-183956/10	P5F60510.D
Level 5	STD5 240-183956/11	P5F60511.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Diesel Range Organics [C10 - C28]	9.346	9.346	9.346	9.346	9.346						5.139 - 13.554	9.346
o-Terphenyl (Surr)	9.841	9.841	9.843	9.843	9.846						9.741 - 9.941	9.843

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 183956

SDG No.: _____

Instrument ID: A2HP5F GC Column: _____ ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2015 17:44 Calibration End Date: 06/05/2015 19:49 Calibration ID: 28880

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-183956/7	P5F60507.D
Level 2	STD2 240-183956/8	P5F60508.D
Level 3	STD3 240-183956/9	P5F60509.D
Level 4	STD4 240-183956/10	P5F60510.D
Level 5	STD5 240-183956/11	P5F60511.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Diesel Range Organics [C10 - C28]	188223 205936	184072	214528	194935	Ave		197538.685				6.4		20.0			
o-Terphenyl (Surr)	253820 273447	248463	285262	256265	Ave		263451.384				5.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-52297-1 Analy Batch No.: 183956

SDG No.: _____

Instrument ID: A2HP5F GC Column: _____ ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 06/05/2015 17:44 Calibration End Date: 06/05/2015 19:49 Calibration ID: 28880

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-183956/7	P5F60507.D
Level 2	STD2 240-183956/8	P5F60508.D
Level 3	STD3 240-183956/9	P5F60509.D
Level 4	STD4 240-183956/10	P5F60510.D
Level 5	STD5 240-183956/11	P5F60511.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Diesel Range Organics [C10 - C28]	Ave	18826996	36823592	107290423	194982939	411973340	100	200	500	1000	2000
o-Terphenyl (Surr)	Ave	2030560	3975400	11410499	20501221	43751469	8.00	16.0	40.0	80.0	160

Curve Type Legend:

Ave = Average

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: ICV 240-183956/12 Calibration Date: 06/05/2015 20:21
Instrument ID: A2HP5F Calib Start Date: 06/05/2015 17:44
GC Column: _____ ID: _____ Calib End Date: 06/05/2015 19:49
Lab File ID: P5F60512.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	197539	203762		517	501	3.2	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: ICV 240-183956/12 Calibration Date: 06/05/2015 20:21
Instrument ID: A2HP5F Calib Start Date: 06/05/2015 17:44
GC Column: _____ ID: _____ Calib End Date: 06/05/2015 19:49
Lab File ID: P5F60512.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.35	5.14	13.55

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCV 240-186787/6 Calibration Date: 06/25/2015 16:00
Instrument ID: A2HP5F Calib Start Date: 06/05/2015 17:44
GC Column: _____ ID: _____ Calib End Date: 06/05/2015 19:49
Lab File ID: P5F62506.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	197539	203418		515	500	3.0	20.0
o-Terphenyl (Surr)	Ave	263451	247043		37.5	40.0	-6.2	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCV 240-186787/6 Calibration Date: 06/25/2015 16:00
Instrument ID: A2HP5F Calib Start Date: 06/05/2015 17:44
GC Column: _____ ID: _____ Calib End Date: 06/05/2015 19:49
Lab File ID: P5F62506.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.32	5.11	13.53
o-Terphenyl (Surr)	9.82	9.72	9.92

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCV 240-186787/13 Calibration Date: 06/25/2015 19:39
Instrument ID: A2HP5F Calib Start Date: 06/05/2015 17:44
GC Column: _____ ID: _____ Calib End Date: 06/05/2015 19:49
Lab File ID: P5F62513.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	197539	209637		531	500	6.1	20.0
o-Terphenyl (Surr)	Ave	263451	251293		38.2	40.0	-4.6	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCV 240-186787/13 Calibration Date: 06/25/2015 19:39
Instrument ID: A2HP5F Calib Start Date: 06/05/2015 17:44
GC Column: _____ ID: _____ Calib End Date: 06/05/2015 19:49
Lab File ID: P5F62513.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.32	5.11	13.53
o-Terphenyl (Surr)	9.82	9.72	9.92

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCV 240-186787/22 Calibration Date: 06/26/2015 00:20
Instrument ID: A2HP5F Calib Start Date: 06/05/2015 17:44
GC Column: _____ ID: _____ Calib End Date: 06/05/2015 19:49
Lab File ID: P5F62522.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	197539	210874		534	500	6.8	20.0
o-Terphenyl (Surr)	Ave	263451	288234		43.8	40.0	9.4	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Lab Sample ID: CCV 240-186787/22 Calibration Date: 06/26/2015 00:20
Instrument ID: A2HP5F Calib Start Date: 06/05/2015 17:44
GC Column: _____ ID: _____ Calib End Date: 06/05/2015 19:49
Lab File ID: P5F62522.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.32	5.11	13.53
o-Terphenyl (Surr)	9.82	9.72	9.92

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-186501/5-A
 Matrix: Solid Lab File ID: P5F62507.D
 Analysis Method: 8015C Date Collected: _____
 Extraction Method: 3540C Date Extracted: 06/24/2015 09:33
 Sample wt/vol: 30(g) Date Analyzed: 06/25/2015 16:31
 Con. Extract Vol.: 5(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: _____ ID: _____
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 186787 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00141	Total Petroleum Hydrocarbons (C10-C32)	6.4	U	17	6.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	72		40-160

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-186501/6-A
Matrix: Solid Lab File ID: P5F62508.D
Analysis Method: 8015C Date Collected: _____
Extraction Method: 3540C Date Extracted: 06/24/2015 09:33
Sample wt/vol: 30(g) Date Analyzed: 06/25/2015 17:02
Con. Extract Vol.: 5(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 186787 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	67		40-160

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-52297-1</u>
SDG No.: _____	
Client Sample ID: <u>MRC-DPAN-062215 MS</u>	Lab Sample ID: <u>240-52297-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>P5F62520.D</u>
Analysis Method: <u>8015C</u>	Date Collected: <u>06/22/2015 11:00</u>
Extraction Method: <u>3540C</u>	Date Extracted: <u>06/24/2015 09:33</u>
Sample wt/vol: <u>30.49(g)</u>	Date Analyzed: <u>06/25/2015 23:18</u>
Con. Extract Vol.: <u>5(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: _____ ID: _____
% Moisture: <u>20.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>186787</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00141	Total Petroleum Hydrocarbons (C10-C32)	236		21	7.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	78		40-160

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1
 SDG No.: _____
 Client Sample ID: MRC-DPAN-062215 MSD Lab Sample ID: 240-52297-1 MSD
 Matrix: Solid Lab File ID: P5F62521.D
 Analysis Method: 8015C Date Collected: 06/22/2015 11:00
 Extraction Method: 3540C Date Extracted: 06/24/2015 09:33
 Sample wt/vol: 30.44(g) Date Analyzed: 06/25/2015 23:49
 Con. Extract Vol.: 5(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: _____ ID: _____
 % Moisture: 20.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 186787 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00141	Total Petroleum Hydrocarbons (C10-C32)	205		21	7.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	77		40-160

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A2HP5F Start Date: 06/05/2015 17:44Analysis Batch Number: 183956 End Date: 06/06/2015 10:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-183956/7 IC		06/05/2015 17:44	1	P5F60507.D	
STD2 240-183956/8 IC		06/05/2015 18:15	1	P5F60508.D	
STD3 240-183956/9 ICRT		06/05/2015 18:47	1	P5F60509.D	
STD4 240-183956/10 IC		06/05/2015 19:18	1	P5F60510.D	
STD5 240-183956/11 IC		06/05/2015 19:49	1	P5F60511.D	
ICV 240-183956/12		06/05/2015 20:21	1	P5F60512.D	
ZZZZZ		06/05/2015 20:52	5		
ZZZZZ		06/05/2015 21:23	10		
ZZZZZ		06/05/2015 21:55	10		
ZZZZZ		06/05/2015 22:26	1		
ZZZZZ		06/05/2015 22:57	1		
ZZZZZ		06/05/2015 23:28	1		
ZZZZZ		06/06/2015 00:00	1		
ZZZZZ		06/06/2015 00:31	1		
CCV 240-183956/21		06/06/2015 01:02	1		
ZZZZZ		06/06/2015 01:34	100		
ZZZZZ		06/06/2015 02:05	100		
ZZZZZ		06/06/2015 02:36	100		
CCV 240-183956/25		06/06/2015 10:51	1		

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: A2HP5F Start Date: 06/25/2015 16:00Analysis Batch Number: 186787 End Date: 06/26/2015 00:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-186787/6 CCVRT		06/25/2015 16:00	1	P5F62506.D	
MB 240-186501/5-A		06/25/2015 16:31	1	P5F62507.D	
LCS 240-186501/6-A		06/25/2015 17:02	1	P5F62508.D	
ZZZZZ		06/25/2015 18:05	10		
ZZZZZ		06/25/2015 18:36	10		
ZZZZZ		06/25/2015 19:08	10		
CCV 240-186787/13		06/25/2015 19:39	1	P5F62513.D	
ZZZZZ		06/25/2015 20:10	1		
ZZZZZ		06/25/2015 20:42	1		
ZZZZZ		06/25/2015 21:13	1		
ZZZZZ		06/25/2015 21:44	1		
ZZZZZ		06/25/2015 22:15	1		
240-52297-1	MRC-DPAN-062215	06/25/2015 22:47	1	P5F62519.D	
240-52297-1 MS	MRC-DPAN-062215 MS	06/25/2015 23:18	1	P5F62520.D	
240-52297-1 MSD	MRC-DPAN-062215 MSD	06/25/2015 23:49	1	P5F62521.D	
CCV 240-186787/22		06/26/2015 00:20	1	P5F62522.D	

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Batch Number: 186501 Batch Start Date: 06/24/15 12:40 Batch Analyst: Earle, SteveBatch Method: 3540C Batch End Date: 06/25/15 04:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	exDIESELspkw 00065	exOTPSURRW 00003		
240-52297-D-1	MRC-DPAN-062215	3540C, 8015C	T	30.30 g	5 mL		1 mL		
240-52297-D-1 MS	MRC-DPAN-062215	3540C, 8015C	T	30.49 g	5 mL	1 mL	1 mL		
240-52297-D-1 MSD	MRC-DPAN-062215	3540C, 8015C	T	30.44 g	5 mL	1 mL	1 mL		
MB 240-186501/5		3540C, 8015C		30 g	5 mL		1 mL		
LCS 240-186501/6		3540C, 8015C		30 g	5 mL	1 mL	1 mL		

Batch Notes	
Balance ID	1339912
Na2SO4 Lot Number	2028838
Prep Solvent Lot #	2056881

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-52297-1

SDG No.: _____

Project: LM MRC Excavation Waste-Blocks

Client Sample ID
MRC-DPAN-062215

Lab Sample ID
240-52297-1

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-52297-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-52297-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

Lab Sample ID	D / F	T y p e	Time	Analytes																
				% S o l	M o i s t															
ZZZZZZ			11:07																	
ZZZZZZ			11:07																	
ZZZZZZ			11:07																	
ZZZZZZ			11:07																	
ZZZZZZ			11:07																	
ZZZZZZ			11:07																	
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ZZZZZZ			11:07																	
240-52281-A-293 DU	1	T	11:07	X	X															
ZZZZZZ			11:07																	
ZZZZZZ			11:07																	
ZZZZZZ			11:07																	
ZZZZZZ			11:07																	
ZZZZZZ			11:19																	
ZZZZZZ			11:19																	
ZZZZZZ			11:19																	
ZZZZZZ			11:19																	
240-52297-1	1	T	11:19	X	X															
ZZZZZZ			11:19																	
ZZZZZZ			11:19																	
ZZZZZZ			11:19																	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 06/23/2015 08:48 End Date: 06/23/2015 18:26

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			11:19																		
ZZZZZZ			11:19																		
ZZZZZZ			18:26																		
ZZZZZZ			18:26																		
ZZZZZZ			18:26																		
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ZZZZZZ			18:26																		
ZZZZZZ			18:26																		

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-52297-1

SDG No.: _____

Batch Number: 186275 Batch Start Date: 06/23/15 08:48 Batch Analyst: Ilinkoski, AshleyBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-52281-A-293 DU		Moisture	T	4.2475 g	8.7390 g	8.4646 g			
240-52297-A-1	MRC-DPAN-062215	Moisture	T	4.2475 g	16.5455 g	14.0565 g			

Batch Notes	
Balance ID	BO47 No Unit
Date samples were placed in the oven	6/23/15
Oven Temp when samples are put in oven	103.5 Degrees C
Time samples were place in the oven	18:37
Date samples were removed from oven	6/24/15
Oven Temp when samples removed from oven	103.9 Degrees C
Time Samples were removed from oven	06:45
Oven ID	002
ID number of the thermometer	Box C #6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 1 of 1

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-52297 Chain of Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories Inc.

TAL-8210 (0713)

4.2/05.2

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact
Company Name: T. APANAVAGE
Address: 20251 CENTURY BLVD STE 200
City/State/Zip: GERMANTOWN MD 20874
Phone: 301 233 8230
Fax: 301 528 3000
Project Name: DPANHANDLE
Site: MRC
PO #

Project Manager: T. APANAVAGE
Tel/Fax:
Analysis Turnaround Time
☐ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below
☐ 2 weeks
☐ 1 week
☒ 2 days
☒ 1 day
QUICK AS POSSIBLE

Sample Identification
MRC-DPAN-062215

Sample Date: 6/22/15
Sample Time: 1100
Sample Type (C=Comp, G=Grab): G
Matrix: SOIL
of Cont.: 3

Filtered Sample (Y/N)
Perform MS/MSD (Y/N)
VOCs
SVOCs
PFO
PFOS
✓✓✓

Site Contact: T. APANAVAGE
Date: 6/22/15
Lab Contact: J. McFADDEN
Carrier:
COC No: 1 of 1 COCs
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
Sample Specific Notes:

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other
Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
EXPEDITED TAT (24 HRS IF POSSIBLE)

Custody Seals Intact: ☐ Yes ☐ No
Relinquished by: [Signature]
Relinquished by: [Signature]
Relinquished by:

Custody Seal No.:
Company: TetraTech
Date/Time: 6/22/15 1330
Received by: [Signature]
Company: TA
Date/Time: 6-23-15 930

Therm ID No.:
Cooler Temp. (°C):
Obs'd: Cor'd:

Received in Laboratory by: Company: Date/Time:

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES	Samples processed by:

15. SAMPLE CONDITION
Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION
Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

ANALYTICAL REPORT

Job Number: 240-54148-1

Job Description: MRC Block D Oil Sheen

For:
Tetra Tech, Inc.
Foster Plaza 7
661 Anderson Drive
Pittsburgh, PA 15220-2745
Attention: Mr. Scott Nesbit



Approved for release.
John McFadden
Project Manager I
8/13/2015 4:34 PM

John McFadden, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
john.mcfadden@testamericainc.com
08/13/2015

cc: Tony Apanavage
Samantha Brenner
Kelly Carper
Tobrena Sedlmyer

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Laboratories, Inc.

TestAmerica Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

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CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MRC Block D Oil Sheen

Report Number: 240-54148-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The sample was received on 8/8/2015 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample D-SEEP-080715 (240-54148-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The sample was prepared on 08/12/2015 and analyzed on 08/13/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: D-SEEP-080715 (240-54148-1). Reagents: 2131156, 1848564 and 1931921.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Sample D-SEEP-080715 (240-54148-1) was analyzed for percent solids in accordance with EPA Method 160.3 MOD. The sample was analyzed on 08/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-54148-1	D-SEEP-080715	Solid	08/07/2015 1200	08/08/2015 1000

EXECUTIVE SUMMARY - Detections

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-54148-1	D-SEEP-080715					
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture

METHOD SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Ultrasonic Extraction	TAL CAN		SW846 3550C
Percent Moisture	TAL CAN	EPA Moisture	

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Method	Analyst	Analyst ID
SW846 8082A	Grant, Katie	KMG
EPA Moisture	Harshman, Tom	TPH

Analytical Data

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Client Sample ID: D-SEEP-080715

Lab Sample ID: 240-54148-1

Date Sampled: 08/07/2015 1200

Client Matrix: Solid

% Moisture: 19.7

Date Received: 08/08/2015 1000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 240-193033

Instrument ID: A2HP13

Prep Method: 3550C

Prep Batch: 240-192904

Initial Weight/Volume: 29.54 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/13/2015 0845

Injection Volume: 1 uL

Prep Date: 08/12/2015 0939

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		15	U	15	42
Aroclor-1221		20	U	20	42
Aroclor-1232		25	U	25	42
Aroclor-1242		14	U	14	42
Aroclor-1248		10	U	10	42
Aroclor-1254		18	U	18	42
Aroclor-1260		11	U	11	42

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		10 - 152
DCB Decachlorobiphenyl	166		10 - 176

Analytical Data

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

General Chemistry

Client Sample ID: D-SEEP-080715

Lab Sample ID: 240-54148-1

Date Sampled: 08/07/2015 1200

Client Matrix: Solid

Date Received: 08/08/2015 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-192496	Analysis Date: 08/10/2015	0618				DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 240-192496	Analysis Date: 08/10/2015	0618				DryWt Corrected: N

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-54148-1	D-SEEP-080715	93	166
MB 240-192904/5-A		57	81
LCS 240-192904/6-A		78	92
240-54177-I-4-B MS		56	73
240-54177-I-4-C MSD		61	82

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	10-152
DCB = DCB Decachlorobiphenyl	10-176

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Method Blank - Batch: 240-192904

Method: 8082A
Preparation: 3550C

Lab Sample ID:	MB 240-192904/5-A	Analysis Batch:	240-193033	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-192904	Lab File ID:	P1300014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/13/2015 0953	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/12/2015 0939			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	12	U	12	33
Aroclor-1221	16	U	16	33
Aroclor-1232	20	U	20	33
Aroclor-1242	11	U	11	33
Aroclor-1248	8.0	U	8.0	33
Aroclor-1254	14	U	14	33
Aroclor-1260	9.0	U	9.0	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	57	10 - 152
DCB Decachlorobiphenyl	81	10 - 176

Lab Control Sample - Batch: 240-192904

Method: 8082A
Preparation: 3550C

Lab Sample ID:	LCS 240-192904/6-A	Analysis Batch:	240-193033	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-192904	Lab File ID:	P1300015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/13/2015 1010	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/12/2015 0939			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	246	74	45 - 122	
Aroclor-1260	333	246	74	45 - 128	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	78	10 - 152
DCB Decachlorobiphenyl	92	10 - 176

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-192904

Method: 8082A
Preparation: 3550C

MS Lab Sample ID: 240-54177-I-4-B MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/13/2015 0919
Prep Date: 08/12/2015 0939
Leach Date: N/A

Analysis Batch: 240-193033
Prep Batch: 240-192904
Leach Batch: N/A

Instrument ID: A2HP13
Lab File ID: P1300012.D
Initial Weight/Volume: 29.59 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 240-54177-I-4-C MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/13/2015 0936
Prep Date: 08/12/2015 0939
Leach Date: N/A

Analysis Batch: 240-193033
Prep Batch: 240-192904
Leach Batch: N/A

Instrument ID: A2HP13
Lab File ID: P1300013.D
Initial Weight/Volume: 30.45 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor-1016	64	64	10 - 180	2	60		
Aroclor-1260	63	68	10 - 138	5	68		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Tetrachloro-m-xylene	56		61	10 - 152			
DCB Decachlorobiphenyl	73		82	10 - 176			

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-192904

Method: 8082A
Preparation: 3550C

MS Lab Sample ID: 240-54177-I-4-B MS
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/13/2015 0919
Prep Date: 08/12/2015 0939
Leach Date: N/A

Units: ug/Kg

MSD Lab Sample ID: 240-54177-I-4-C MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/13/2015 0936
Prep Date: 08/12/2015 0939
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor-1016	16	U	444	431	283	277
Aroclor-1260	12	U	444	431	279	294

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Duplicate - Batch: 240-192496

Method: Moisture Preparation: N/A

Lab Sample ID:	240-54103-A-42 DU	Analysis Batch:	240-192496	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/10/2015 0618	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	86	86	0.7	20	
Percent Moisture	14	14	4	20	

DATA REPORTING QUALIFIERS

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Lab Section	Qualifier	Description
GC Semi VOA	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-192904					
LCS 240-192904/6-A	Lab Control Sample	T	Solid	3550C	
MB 240-192904/5-A	Method Blank	T	Solid	3550C	
240-54148-1	D-SEEP-080715	T	Solid	3550C	
240-54177-I-4-B MS	Matrix Spike	T	Solid	3550C	
240-54177-I-4-C MSD	Matrix Spike Duplicate	T	Solid	3550C	
Analysis Batch:240-193033					
LCS 240-192904/6-A	Lab Control Sample	T	Solid	8082A	240-192904
MB 240-192904/5-A	Method Blank	T	Solid	8082A	240-192904
240-54148-1	D-SEEP-080715	T	Solid	8082A	240-192904
240-54177-I-4-B MS	Matrix Spike	T	Solid	8082A	240-192904
240-54177-I-4-C MSD	Matrix Spike Duplicate	T	Solid	8082A	240-192904

Report Basis

T = Total

General Chemistry

Analysis Batch:240-192496

240-54103-A-42 DU	Duplicate	T	Solid	Moisture
240-54148-1	D-SEEP-080715	T	Solid	Moisture

Report Basis

T = Total

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Laboratory Chronicle

Lab ID: 240-54148-1

Client ID: D-SEEP-080715

Sample Date/Time: 08/07/2015 12:00 Received Date/Time: 08/08/2015 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-54148-B-1-B		240-193033	240-192904	08/12/2015 09:39	1	TAL CAN	SDE
A:8082A	240-54148-B-1-B		240-193033	240-192904	08/13/2015 08:45	1	TAL CAN	KMG
A:Moisture	240-54148-A-1		240-192496		08/10/2015 06:18	1	TAL CAN	TPH

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	MB 240-192904/5-A		240-193033	240-192904	08/12/2015 09:39	1	TAL CAN	SDE
A:8082A	MB 240-192904/5-A		240-193033	240-192904	08/13/2015 09:53	1	TAL CAN	KMG

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCS 240-192904/6-A		240-193033	240-192904	08/12/2015 09:39	1	TAL CAN	SDE
A:8082A	LCS 240-192904/6-A		240-193033	240-192904	08/13/2015 10:10	1	TAL CAN	KMG

Lab ID: MS

Client ID: N/A

Sample Date/Time: 08/10/2015 16:00 Received Date/Time: 08/11/2015 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-54177-I-4-B MS		240-193033	240-192904	08/12/2015 09:39	1	TAL CAN	SDE
A:8082A	240-54177-I-4-B MS		240-193033	240-192904	08/13/2015 09:19	1	TAL CAN	KMG

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 08/10/2015 16:00 Received Date/Time: 08/11/2015 08:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-54177-I-4-C MSD		240-193033	240-192904	08/12/2015 09:39	1	TAL CAN	SDE
A:8082A	240-54177-I-4-C MSD		240-193033	240-192904	08/13/2015 09:36	1	TAL CAN	KMG

Quality Control Results

Client: Tetra Tech, Inc.

Job Number: 240-54148-1

Laboratory Chronicle

Lab ID: DU

Client ID: N/A

Sample Date/Time: 08/07/2015 09:35 Received Date/Time: 08/07/2015 16:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-54103-A-42 DU		240-192496		08/10/2015 06:18	1	TAL CAN	TPH

Lab References:

TAL CAN = TestAmerica Canton

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EX10PPMSPK_00017	06/10/16	06/08/15	MEOH, Lot 0000085233	1000 mL	EXPCB1016_00006	2 mL	Aroclor-1016	10 ug/mL
.EXPCB1016_00006	12/20/23	AccuStandard, Inc., Lot 213121297			EXPCB1260_00007	2 mL	Aroclor-1260	10 ug/mL
.EXPCB1260_00007	02/07/23	AccuStandard, Lot B3020274-1A			(Purchased Reagent)		Aroclor-1016	5000 ug/mL
					(Purchased Reagent)		Aroclor-1260	5000 ug/mL
ex2/.2SURRW_00058	06/10/16	07/07/15	MEOH, Lot 0000085233	2000 mL	EXPESTSURR_00001	2 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.EXPESTSURR_00001	05/31/21	Restek, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1248@.05ppm_00016	09/09/15	04/23/15	HEXANE, Lot 0000096800	100 mL	SG1248@10ppm_00006	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL
							PCB-1248 Peak 5	0.05 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18	Restek, Lot A086044			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG1248@0.1PPM_00013	09/09/15	04/23/15	HEXANE, Lot 0000096800	100 mL	SG1248@10ppm_00006	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18	Restek, Lot A086044			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG1248@0.2ppm_00013	09/09/15	04/23/15	HEXANE, Lot 0000096800	100 mL	SG1248@10ppm_00006	2 mL	PCB-1248 Peak 1	0.2 ug/mL
							PCB-1248 Peak 2	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 3	0.2 ug/mL
							PCB-1248 Peak 4	0.2 ug/mL
							PCB-1248 Peak 5	0.2 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18		Restek, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG1248@0.5ppm_00017	09/09/15	04/22/15	HEXANE, Lot 00000086560	100 mL	SG1248@10ppm_00006	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18		Restek, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG1248@0.5ppm_00018	12/25/15	06/25/15	HEXANE, Lot 00000096800	100 mL	SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG1248@0.5ppm_00018	12/25/15	06/25/15	HEXANE, Lot 00000096800	100 mL	SG1248@10ppm_00007	5 mL	Aroclor-1248	0.5 ug/mL
							PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.SG1248@10ppm_00007	03/11/16	03/11/15	Hexane, Lot 0000086559	100 mL	SG1248_00004	1 mL	Aroclor-1248	10 ug/mL
							PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00004	04/30/19		Restek, Lot A092864		(Purchased Reagent)		Aroclor-1248	1000 ug/mL
							PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@1.0ppm_00011	09/09/15	04/23/15	HEXANE, Lot 0000096800	100 mL	SG1248@10ppm_00006	10 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
					SGPCBIS STOCK 00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18		Restek, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
.SGPCBIS STOCK 00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD 00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG1248@2.0ppm_00012	09/09/15	04/23/15	HEXANE, Lot 0000096800	100 mL	SG1248@10ppm_00006	20 mL	PCB-1248 Peak 1	2 ug/mL
							PCB-1248 Peak 2	2 ug/mL
							PCB-1248 Peak 3	2 ug/mL
							PCB-1248 Peak 4	2 ug/mL
							PCB-1248 Peak 5	2 ug/mL
					SGPCBIS STOCK 00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18		Restek, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
.SGPCBIS STOCK 00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD 00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD 00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG1660@.05PPM_00014	11/06/15	05/06/15	HEXANE, Lot 0000096800	100 mL	SG1016/1260_00015	0.5 mL	PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
					SGPCGSURRSTK_00006	0.125 mL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.SG1016/1260_00015	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SG1016/1260MX_00007	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
..SG1016/1260MX_00007	06/30/20		Restek, Lot a102096		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
							1-Bromo-2-nitrobenzene	1000 ug/mL
							1-Bromo-2-nitrobenzene	1000 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
							1-Bromo-2-nitrobenzene	1000 ug/mL
							1-Bromo-2-nitrobenzene	1000 ug/mL
.SGPCGSURRSTK_00006	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SGPESTSURR_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPESTSURR_00007	08/31/20		Restek, Lot A0103185		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							DCB Decachlorobiphenyl	200 ug/mL
							DCB Decachlorobiphenyl	200 ug/mL
SG1660@0.2ppm_00012	11/05/15	05/05/15	HEXANE, Lot 0000096800	100 mL	SG1016/1260_00015	2 mL	PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SGPCGSURRSTK_00006	0.5 mL	DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SG1016/1260_00015	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SG1016/1260MX_00007	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00007	06/30/20	Restek, Lot a102096			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD 00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.SGPCGSURRSTK_00006	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SGPESTSURR_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
						Tetrachloro-m-xylene	2 ug/mL	
..SGPESTSURR_00007	08/31/20	Restek, Lot A0103185			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
						Tetrachloro-m-xylene	200 ug/mL	
SG1660@0.5PPM_00053	11/20/15	05/20/15	HEXANE, Lot 0000086560	100 mL	SG1016/1260_00016	5 mL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL					
SGPCGSURRSTK_00006	1.25 mL	DCB Decachlorobiphenyl	0.025 ug/mL					
						Tetrachloro-m-xylene	0.025 ug/mL	
.SG1016/1260_00016	05/05/16	05/05/15	HEXANE, Lot 0000096800	100 mL	SG1016/1260MX_00008	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00008	04/30/19		Restek, Lot a092844		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCBIS STOCK 00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD 00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD 00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.SGPCGSURRSTK_00006	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SGPESTSURR_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPESTSURR_00007	08/31/20		Restek, Lot A0103185		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00054	01/01/16	07/01/15	HEXANE, Lot 0000096800	100 mL	SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SGPCBIS STOCK 00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD 00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD 00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG1660@0.5PPM_00054	01/01/16	07/01/15	HEXANE, Lot 0000096800	100 mL	SG1016/1260_00016	5 mL	Aroclor-1016	0.5 ug/mL
							Aroclor-1260	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00006	1.25 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00016	05/05/16	05/05/15	HEXANE, Lot 0000096800	100 mL	SG1016/1260MX_00008	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00008	04/30/19		Restek, Lot a092844		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00006	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SGPESTSURR_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPESTSURR_00007	08/31/20		Restek, Lot A0103185		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@1.0PPM_00012	11/05/15	05/05/15	HEXANE, Lot 00000968800	100 mL	SG1016/1260_00015	10 mL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
					SGPCGSURRSTK_00006	2.5 mL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SG1016/1260_00015	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SG1016/1260MX_00007	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00007	06/30/20		Restek, Lot a102096		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.SGPCGSURRSTK_00006	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SGPESTSURR_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPESTSURR_00007	08/31/20		Restek, Lot A0103185		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@2.0PPM_00013	11/05/15	05/05/15	HEXANE, Lot 0000096800	100 mL	SG1016/1260_00015	20 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
					SGPCGSURRSTK_00006	5 mL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SG1016/1260_00015	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SG1016/1260MX_00007	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00007	06/30/20		Restek, Lot a102096		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.SGPCGSURRSTK_00006	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SGPESTSURR_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SGPESTSURR_00007	08/31/20		Restek, Lot A0103185		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660ICV@1.0_00008	10/20/15	07/16/15	HEXANE, Lot 0000096800	10 mL	SGPCBISTD_00001	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SGPCBISTD_00001	04/22/16	06/01/15	HEXANE, Lot 96800	100 mL	SGPCBIS STOCK_00002	10 mL	1-Bromo-2-nitrobenzene	1 ug/mL
..SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
...ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG1660ICV@1.0_00008	10/20/15	07/16/15	HEXANE, Lot 0000096800	10 mL	SG1660ICV@10_00007	1 mL	Aroclor-1016	1 ug/mL
					SGPCGSURRSTK_00006	0.25 mL	Aroclor-1260	1 ug/mL
							DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SG1660ICV@10_00007	10/20/15	04/20/15	HEXANE, Lot 0000086560	10 mL	SG1660ICV@100_00003	1 mL	Aroclor-1016	10 ug/mL
..SG1660ICV@100_00003	04/20/16	04/20/15	HEXANE, Lot 0000086560	10 mL	SG 1660 ICV_00010	1 mL	Aroclor-1260	10 ug/mL
							Aroclor-1016	100 ug/mL
							Aroclor-1260	100 ug/mL
...SG 1660 ICV_00010	06/30/19		restek, Lot a094336		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
.SGPCGSURRSTK_00006	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SGPESTSURR_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPESTSURR_00007	08/31/20		Restek, Lot A0103185		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660STD@0.1_00013	11/05/15	05/05/15	HEXANE, Lot 0000096800	100 mL	SG1016/1260_00015	1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
					SGPCGSURRSTK_00006	0.25 mL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SG1016/1260_00015	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SG1016/1260MX_00007	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00007	06/30/20		Restek, Lot a102096		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCBIS STOCK 00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD 00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD 00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.SGPCGSURRSTK_00006	05/04/16	05/04/15	HEXANE, Lot 0000086800	100 mL	SGPESTSURR_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
..SGPESTSURR_00007	08/31/20		Restek, Lot A0103185		(Purchased Reagent)		Tetrachloro-m-xylene	2 ug/mL
							DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG2154@0.05PP_00009	10/29/15	04/29/15	HEXANE, Lot 000096800	100 mL	SG2154@10ppm_00008	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
					SGPCBIS STOCK 00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
.SGPCBIS STOCK 00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD 00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD 00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG2154@0.2PPM_00010	10/29/15	04/29/15	HEXANE, Lot 0000096800	100 mL	SG2154@10ppm_00008	2 mL	PCB-1221 Peak 1	0.2 ug/mL
							PCB-1221 Peak 2	0.2 ug/mL
							PCB-1221 Peak 3	0.2 ug/mL
							PCB-1254 Peak 1	0.2 ug/mL
							PCB-1254 Peak 2	0.2 ug/mL
							PCB-1254 Peak 3	0.2 ug/mL
							PCB-1254 Peak 4	0.2 ug/mL
							PCB-1254 Peak 5	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL					
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL					
							PCB-1221 Peak 2	10 ug/mL					
							PCB-1221 Peak 3	10 ug/mL					
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL					
							PCB-1254 Peak 2	10 ug/mL					
							PCB-1254 Peak 3	10 ug/mL					
							PCB-1254 Peak 4	10 ug/mL					
..SGPCB1221_00004	12/31/18	RESTEK, Lot a090667			(Purchased Reagent)		PCB-1221 Peak 5	10 ug/mL					
							PCB-1221 Peak 1	1000 ug/mL					
							PCB-1221 Peak 2	1000 ug/mL					
..SGPCB1254_00007	05/30/18	restek, Lot A093609			(Purchased Reagent)		PCB-1221 Peak 3	1000 ug/mL					
							PCB-1254 Peak 1	1000 ug/mL					
							PCB-1254 Peak 2	1000 ug/mL					
							PCB-1254 Peak 3	1000 ug/mL					
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	PCB-1254 Peak 4	1000 ug/mL					
							PCB-1254 Peak 5	1000 ug/mL					
							1-Bromo-2-nitrobenzene	10 ug/mL					
							..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)	
SG2154@0.5PPM_00019	11/24/15	06/24/15	HEXANE, Lot 00000086560	100 mL	SG2154@10ppm_00008	5 mL	PCB-1221 Peak 1	0.5 ug/mL					
							PCB-1221 Peak 2	0.5 ug/mL					
							PCB-1221 Peak 3	0.5 ug/mL					
							PCB-1254 Peak 1	0.5 ug/mL					
							PCB-1254 Peak 2	0.5 ug/mL					
							PCB-1254 Peak 3	0.5 ug/mL					
							PCB-1254 Peak 4	0.5 ug/mL					
							PCB-1254 Peak 5	0.5 ug/mL					
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene		0.05 ug/mL				
							.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL
					PCB-1221 Peak 2	10 ug/mL							
					PCB-1221 Peak 3	10 ug/mL							
					SGPCB1254_00007	1 mL						PCB-1254 Peak 1	10 ug/mL
PCB-1254 Peak 2	10 ug/mL												
PCB-1254 Peak 3	10 ug/mL												
..SGPCB1221_00004	12/31/18	RESTEK, Lot a090667			(Purchased Reagent)		PCB-1254 Peak 4	10 ug/mL					
							PCB-1254 Peak 5	10 ug/mL					
							PCB-1221 Peak 1	1000 ug/mL					
..SGPCB1254_00007	05/30/18	restek, Lot A093609			(Purchased Reagent)		PCB-1221 Peak 2	1000 ug/mL					
							PCB-1221 Peak 3	1000 ug/mL					
							PCB-1254 Peak 1	1000 ug/mL					
							PCB-1254 Peak 2	1000 ug/mL					
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	PCB-1254 Peak 3	1000 ug/mL					
							PCB-1254 Peak 4	1000 ug/mL					
							1-Bromo-2-nitrobenzene	10 ug/mL					
							..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)	
SG2154@0.5PPM_00019	11/24/15	06/24/15	HEXANE, Lot 00000086560	100 mL	SG2154@10ppm_00008	5 mL	Aroclor-1221	0.5 ug/mL					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	Aroclor-1254	0.5 ug/mL
					SGPCB1254_00007	1 mL	Aroclor-1221	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		Aroclor-1254	10 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		Aroclor-1221	1000 ug/mL
SG2154@1.0PPM_00011	10/29/15	04/29/15	HEXANE, Lot 0000096800	100 mL	SG2154@10ppm_00008	10 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
							PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
					SGPCBIS STOCK 00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
.SGPCBIS STOCK 00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD 00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG2154@2.0PPM_00010	10/29/15	04/29/15	HEXANE, Lot 0000096800	100 mL	SG2154@10ppm_00008	20 mL	PCB-1221 Peak 1	2 ug/mL
							PCB-1221 Peak 2	2 ug/mL
							PCB-1221 Peak 3	2 ug/mL
							PCB-1254 Peak 1	2 ug/mL
							PCB-1254 Peak 2	2 ug/mL
							PCB-1254 Peak 3	2 ug/mL
							PCB-1254 Peak 4	2 ug/mL
							PCB-1254 Peak 5	2 ug/mL
					SGPCBIS STOCK 00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG2154@0.1PPM_00011	10/29/15	04/29/15	HEXANE, Lot 0000096800	100 mL	SG2154@10ppm_00008	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	0.05 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
							PCB-1254 Peak 1	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG3262@.05PPM_00003	10/24/15	04/24/15	HEXANE, Lot 0000096800	100 mL	SG32/6210PPM_00002	0.5 mL	PCB-1232 Peak 1	50 ug/L
							PCB-1232 Peak 2	50 ug/L
							PCB-1232 Peak 3	50 ug/L
							PCB-1232 Peak 4	50 ug/L
							PCB-1232 Peak 5	50 ug/L
							PCB-1262 Peak 1	50 ug/L
							PCB-1262 Peak 2	50 ug/L
							PCB-1262 Peak 3	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration							
					Reagent ID	Volume Added									
.SG32/6210PPM_00002	04/24/16	04/24/15	HEXANE, Lot 0000096800	100 mL	SGPCBIS STOCK 00002	0.5 mL	PCB-1262 Peak 4	50 ug/L							
							PCB-1262 Peak 5	50 ug/L							
							1-Bromo-2-nitrobenzene	50 ug/L							
					SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L							
							PCB-1232 Peak 2	10000 ug/L							
							PCB-1232 Peak 3	10000 ug/L							
							PCB-1232 Peak 4	10000 ug/L							
							PCB-1232 Peak 5	10000 ug/L							
					SGPCB1262STD_00005	1 mL	PCB-1262 Peak 1	10000 ug/L							
							PCB-1262 Peak 2	10000 ug/L							
							PCB-1262 Peak 3	10000 ug/L							
							PCB-1262 Peak 4	10000 ug/L							
							PCB-1262 Peak 5	10000 ug/L							
..SGPCB1232STD_00005	04/30/18	restek, Lot A086119	(Purchased Reagent)	PCB-1232 Peak 1	1000 ug/mL										
				PCB-1232 Peak 2	1000 ug/mL										
				PCB-1232 Peak 3	1000 ug/mL										
				PCB-1232 Peak 4	1000 ug/mL										
				PCB-1232 Peak 5	1000 ug/mL										
				PCB-1262 Peak 1	1000 ug/mL										
..SGPCB1262STD_00005	05/31/20	restek, Lot A0101379	(Purchased Reagent)	PCB-1262 Peak 2	1000 ug/mL										
				PCB-1262 Peak 3	1000 ug/mL										
				PCB-1262 Peak 4	1000 ug/mL										
				PCB-1262 Peak 5	1000 ug/mL										
				ISTD 00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL								
				..ISTD_00002	04/30/18	Restek, Lot A0110081	(Purchased Reagent)	1-Bromo-2-nitrobenzene	1000 ug/mL						
SG3262@.2PPM_00003	10/24/15	04/24/15	HEXANE, Lot 0000096800	100 mL	SG32/6210PPM_00002	2 mL	PCB-1232 Peak 1	200 ug/L							
							PCB-1232 Peak 2	200 ug/L							
							PCB-1232 Peak 3	200 ug/L							
							PCB-1232 Peak 4	200 ug/L							
							PCB-1232 Peak 5	200 ug/L							
							PCB-1262 Peak 1	200 ug/L							
							PCB-1262 Peak 2	200 ug/L							
							PCB-1262 Peak 3	200 ug/L							
							PCB-1262 Peak 4	200 ug/L							
							PCB-1262 Peak 5	200 ug/L							
					SGPCBIS STOCK 00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L							
							.SG32/6210PPM_00002	04/24/16	04/24/15	HEXANE, Lot 0000096800	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
														PCB-1232 Peak 2	10000 ug/L
PCB-1232 Peak 3	10000 ug/L														
PCB-1232 Peak 4	10000 ug/L														
PCB-1232 Peak 5	10000 ug/L														
SGPCB1262STD_00005	1 mL	PCB-1262 Peak 1	10000 ug/L												
		PCB-1262 Peak 2	10000 ug/L												
		PCB-1262 Peak 3	10000 ug/L												
		PCB-1262 Peak 4	10000 ug/L												
		PCB-1262 Peak 5	10000 ug/L												
..SGPCB1232STD_00005	04/30/18	restek, Lot A086119	(Purchased Reagent)	PCB-1232 Peak 1	1000 ug/mL										

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..SGPCB1262STD_00005	05/31/20		restek, Lot A0101379		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG3262@0.1PPM_00004	10/24/15	04/24/15	HEXANE, Lot 0000096800	100 mL	SG32/6210PPM_00002	1 mL	PCB-1232 Peak 1	100 ug/L
							PCB-1232 Peak 2	100 ug/L
							PCB-1232 Peak 3	100 ug/L
							PCB-1232 Peak 4	100 ug/L
							PCB-1232 Peak 5	100 ug/L
							PCB-1262 Peak 1	100 ug/L
							PCB-1262 Peak 2	100 ug/L
							PCB-1262 Peak 3	100 ug/L
							PCB-1262 Peak 4	100 ug/L
							PCB-1262 Peak 5	100 ug/L
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L
					.SG32/6210PPM_00002	04/24/16	04/24/15	HEXANE, Lot 0000096800
PCB-1232 Peak 2	10000 ug/L							
PCB-1232 Peak 3	10000 ug/L							
PCB-1232 Peak 4	10000 ug/L							
PCB-1232 Peak 5	10000 ug/L							
SGPCB1262STD_00005	1 mL	PCB-1262 Peak 1	10000 ug/L					
		PCB-1262 Peak 2	10000 ug/L					
		PCB-1262 Peak 3	10000 ug/L					
		PCB-1262 Peak 4	10000 ug/L					
		PCB-1262 Peak 5	10000 ug/L					
..SGPCB1232STD_00005	04/30/18		restek, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..SGPCB1262STD_00005	05/31/20		restek, Lot A0101379		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG3262@0.5PPM_00008	12/24/15	06/24/15	HEXANE, Lot 0000086560	100 mL	SG32/6210PPM_00002	5 mL	PCB-1232 Peak 1	500 ug/L
							PCB-1232 Peak 2	500 ug/L
							PCB-1232 Peak 3	500 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 4	500 ug/L
							PCB-1232 Peak 5	500 ug/L
							PCB-1262 Peak 1	500 ug/L
							PCB-1262 Peak 2	500 ug/L
							PCB-1262 Peak 3	500 ug/L
							PCB-1262 Peak 4	500 ug/L
							PCB-1262 Peak 5	500 ug/L
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L
.SG32/6210PPM_00002	04/24/16	04/24/15	HEXANE, Lot 0000096800	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
							PCB-1232 Peak 2	10000 ug/L
							PCB-1232 Peak 3	10000 ug/L
							PCB-1232 Peak 4	10000 ug/L
							PCB-1232 Peak 5	10000 ug/L
					SGPCB1262STD_00005	1 mL	PCB-1262 Peak 1	10000 ug/L
							PCB-1262 Peak 2	10000 ug/L
							PCB-1262 Peak 3	10000 ug/L
							PCB-1262 Peak 4	10000 ug/L
							PCB-1262 Peak 5	10000 ug/L
..SGPCB1232STD_00005	04/30/18		restek, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..SGPCB1262STD_00005	05/31/20		restek, Lot A0101379		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG3262@0.5PPM_00008	12/24/15	06/24/15	HEXANE, Lot 0000086560	100 mL	SG32/6210PPM_00002	5 mL	Aroclor-1232	500 ug/L
							PCB-1262	500 ug/L
.SG32/6210PPM_00002	04/24/16	04/24/15	HEXANE, Lot 0000096800	100 mL	SGPCB1232STD_00005	1 mL	Aroclor-1232	10000 ug/L
					SGPCB1262STD_00005	1 mL	PCB-1262	10000 ug/L
..SGPCB1232STD_00005	04/30/18		restek, Lot A086119		(Purchased Reagent)		Aroclor-1232	1000 ug/mL
..SGPCB1262STD_00005	05/31/20		restek, Lot A0101379		(Purchased Reagent)		PCB-1262	1000 ug/mL
SG3262@1.0PPM_00003	10/24/15	04/24/15	HEXANE, Lot 0000096800	100 mL	SG32/6210PPM_00002	10 mL	PCB-1232 Peak 1	1000 ug/L
							PCB-1232 Peak 2	1000 ug/L
							PCB-1232 Peak 3	1000 ug/L
							PCB-1232 Peak 4	1000 ug/L
							PCB-1232 Peak 5	1000 ug/L
							PCB-1262 Peak 1	1000 ug/L
							PCB-1262 Peak 2	1000 ug/L
							PCB-1262 Peak 3	1000 ug/L
							PCB-1262 Peak 4	1000 ug/L
							PCB-1262 Peak 5	1000 ug/L
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SG32/6210PPM_00002	04/24/16	04/24/15	HEXANE, Lot 0000096800	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
							PCB-1232 Peak 2	10000 ug/L
							PCB-1232 Peak 3	10000 ug/L
							PCB-1232 Peak 4	10000 ug/L
							PCB-1232 Peak 5	10000 ug/L
					SGPCB1262STD_00005	1 mL	PCB-1262 Peak 1	10000 ug/L
							PCB-1262 Peak 2	10000 ug/L
							PCB-1262 Peak 3	10000 ug/L
							PCB-1262 Peak 4	10000 ug/L
							PCB-1262 Peak 5	10000 ug/L
..SGPCB1232STD_00005	04/30/18	restek, Lot A086119			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
							PCB-1232 Peak 6	1000 ug/mL
..SGPCB1262STD_00005	05/31/20	restek, Lot A0101379			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
							PCB-1262 Peak 6	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG3262@2.0ppm_00003	10/24/15	04/24/15	HEXANE, Lot 0000096800	100 mL	SG32/6210PPM_00002	20 mL	PCB-1232 Peak 1	2000 ug/L
							PCB-1232 Peak 2	2000 ug/L
							PCB-1232 Peak 3	2000 ug/L
							PCB-1232 Peak 4	2000 ug/L
							PCB-1232 Peak 5	2000 ug/L
							PCB-1262 Peak 1	2000 ug/L
							PCB-1262 Peak 2	2000 ug/L
							PCB-1262 Peak 3	2000 ug/L
							PCB-1262 Peak 4	2000 ug/L
							PCB-1262 Peak 5	2000 ug/L
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L
.SG32/6210PPM_00002	04/24/16	04/24/15	HEXANE, Lot 0000096800	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
							PCB-1232 Peak 2	10000 ug/L
							PCB-1232 Peak 3	10000 ug/L
							PCB-1232 Peak 4	10000 ug/L
							PCB-1232 Peak 5	10000 ug/L
					SGPCB1262STD_00005	1 mL	PCB-1262 Peak 1	10000 ug/L
							PCB-1262 Peak 2	10000 ug/L
							PCB-1262 Peak 3	10000 ug/L
							PCB-1262 Peak 4	10000 ug/L
							PCB-1262 Peak 5	10000 ug/L
..SGPCB1232STD_00005	04/30/18	restek, Lot A086119			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration		
					Reagent ID	Volume Added				
							PCB-1232 Peak 5	1000 ug/mL		
..SGPCB1262STD_00005	05/31/20	restek, Lot A0101379			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL		
							PCB-1262 Peak 2	1000 ug/mL		
							PCB-1262 Peak 3	1000 ug/mL		
							PCB-1262 Peak 4	1000 ug/mL		
							PCB-1262 Peak 5	1000 ug/mL		
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL		
..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL		
SG42/68@1.0PP_00006	10/28/15	04/28/15	HEXANE, Lot 0000096800	100 mL	SG42/6810PPM_00002	10 mL	PCB-1242 Peak 1	1000 ug/L		
							PCB-1242 Peak 2	1000 ug/L		
							PCB-1242 Peak 3	1000 ug/L		
							PCB-1242 Peak 4	1000 ug/L		
							PCB-1242 Peak 5	1000 ug/L		
							PCB-1268 Peak 1	1000 ug/L		
							PCB-1268 Peak 2	1000 ug/L		
							PCB-1268 Peak 3	1000 ug/L		
							PCB-1268 Peak 4	1000 ug/L		
							PCB-1268 Peak 5	1000 ug/L		
.SG42/6810PPM_00002	04/28/16	04/28/15	HEXANE, Lot 0000096800	100 mL	SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L		
							SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
									PCB-1242 Peak 2	10000 ug/L
									PCB-1242 Peak 3	10000 ug/L
									PCB-1242 Peak 4	10000 ug/L
					PCB-1242 Peak 5	10000 ug/L				
					SGpcb1268std_00006	1 mL	PCB-1268 Peak 1	10000 ug/L		
							PCB-1268 Peak 2	10000 ug/L		
							PCB-1268 Peak 3	10000 ug/L		
							PCB-1268 Peak 4	10000 ug/L		
PCB-1268 Peak 5	10000 ug/L									
..SG1242_00005	11/30/18	Restek, Lot A090182			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL		
							PCB-1242 Peak 2	1000 ug/mL		
							PCB-1242 Peak 3	1000 ug/mL		
							PCB-1242 Peak 4	1000 ug/mL		
							PCB-1242 Peak 5	1000 ug/mL		
..SGpcb1268std_00006	12/31/19	Restek, Lot A097795			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL		
							PCB-1268 Peak 2	1000 ug/mL		
							PCB-1268 Peak 3	1000 ug/mL		
							PCB-1268 Peak 4	1000 ug/mL		
							PCB-1268 Peak 5	1000 ug/mL		
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL		
..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL		
SG4268@.05PPM_00004	10/28/15	04/28/15	HEXANE, Lot 0000096800	100 mL	SG42/6810PPM_00002	0.5 mL	PCB-1242 Peak 1	50 ug/L		
							PCB-1242 Peak 2	50 ug/L		
							PCB-1242 Peak 3	50 ug/L		
							PCB-1242 Peak 4	50 ug/L		
							PCB-1242 Peak 5	50 ug/L		
							PCB-1268 Peak 1	50 ug/L		

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
.SG42/6810PPM_00002	04/28/16	04/28/15	HEXANE, Lot 0000096800	100 mL			PCB-1268 Peak 2	50 ug/L					
							PCB-1268 Peak 3	50 ug/L					
							PCB-1268 Peak 4	50 ug/L					
							PCB-1268 Peak 5	50 ug/L					
					SGPCBIS STOCK 00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L					
					SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L					
							PCB-1242 Peak 2	10000 ug/L					
							PCB-1242 Peak 3	10000 ug/L					
							PCB-1242 Peak 4	10000 ug/L					
							PCB-1242 Peak 5	10000 ug/L					
SGpcb1268std_00006	1 mL	PCB-1268 Peak 1	10000 ug/L										
..SG1242_00005	11/30/18	Restek, Lot A090182	(Purchased Reagent)	PCB-1268 Peak 2	10000 ug/L								
				PCB-1268 Peak 3	10000 ug/L								
				PCB-1268 Peak 4	10000 ug/L								
				PCB-1268 Peak 5	10000 ug/L								
				PCB-1242 Peak 1	1000 ug/mL								
				PCB-1242 Peak 2	1000 ug/mL								
				PCB-1242 Peak 3	1000 ug/mL								
				PCB-1242 Peak 4	1000 ug/mL								
				PCB-1242 Peak 5	1000 ug/mL								
				..SGpcb1268std_00006	12/31/19	Restek, Lot A097795	(Purchased Reagent)	PCB-1268 Peak 1	1000 ug/mL				
PCB-1268 Peak 2	1000 ug/mL												
PCB-1268 Peak 3	1000 ug/mL												
PCB-1268 Peak 4	1000 ug/mL												
PCB-1268 Peak 5	1000 ug/mL												
.SGPCBIS STOCK 00002	04/22/16	04/22/15	HEXANE, Lot 0000086560					100 mL	ISTD 00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL	
..ISTD 00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL					
SG4268@.1PPM_00004	10/28/15	04/28/15	HEXANE, Lot 0000096800	100 mL	SG42/6810PPM_00002	1 mL	PCB-1242 Peak 1	100 ug/L					
							PCB-1242 Peak 2	100 ug/L					
							PCB-1242 Peak 3	100 ug/L					
							PCB-1242 Peak 4	100 ug/L					
							PCB-1242 Peak 5	100 ug/L					
							PCB-1268 Peak 1	100 ug/L					
							PCB-1268 Peak 2	100 ug/L					
							PCB-1268 Peak 3	100 ug/L					
							PCB-1268 Peak 4	100 ug/L					
							PCB-1268 Peak 5	100 ug/L					
					SGPCBIS STOCK 00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L					
					.SG42/6810PPM_00002	04/28/16	04/28/15	HEXANE, Lot 0000096800	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
												PCB-1242 Peak 2	10000 ug/L
												PCB-1242 Peak 3	10000 ug/L
PCB-1242 Peak 4	10000 ug/L												
SGpcb1268std_00006					1 mL	PCB-1268 Peak 1	10000 ug/L						
						PCB-1268 Peak 2	10000 ug/L						
						PCB-1268 Peak 3	10000 ug/L						
						PCB-1268 Peak 4	10000 ug/L						

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 5	10000 ug/L
..SG1242_00005	11/30/18	Restek, Lot A090182			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00006	12/31/19	Restek, Lot A097795			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG4268@.2PPM_00003	10/28/15	04/28/15	HEXANE, Lot 0000096800	100 mL	SG42/6810PPM_00002	2 mL	PCB-1242 Peak 1	200 ug/L
							PCB-1242 Peak 2	200 ug/L
							PCB-1242 Peak 3	200 ug/L
							PCB-1242 Peak 4	200 ug/L
							PCB-1242 Peak 5	200 ug/L
							PCB-1268 Peak 1	200 ug/L
							PCB-1268 Peak 2	200 ug/L
							PCB-1268 Peak 3	200 ug/L
							PCB-1268 Peak 4	200 ug/L
							PCB-1268 Peak 5	200 ug/L
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L
.SG42/6810PPM_00002	04/28/16	04/28/15	HEXANE, Lot 0000096800	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
							PCB-1242 Peak 2	10000 ug/L
							PCB-1242 Peak 3	10000 ug/L
							PCB-1242 Peak 4	10000 ug/L
							PCB-1242 Peak 5	10000 ug/L
					SGpcb1268std_00006	1 mL	PCB-1268 Peak 1	10000 ug/L
							PCB-1268 Peak 2	10000 ug/L
							PCB-1268 Peak 3	10000 ug/L
							PCB-1268 Peak 4	10000 ug/L
							PCB-1268 Peak 5	10000 ug/L
..SG1242_00005	11/30/18	Restek, Lot A090182			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00006	12/31/19	Restek, Lot A097795			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG4268@0.5PPM_00007	12/24/15	06/24/15	HEXANE, Lot 0000086560	100 mL	SG42/6810PPM_00002	5 mL	PCB-1242 Peak 1	500 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton

Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 2	500 ug/L
							PCB-1242 Peak 3	500 ug/L
							PCB-1242 Peak 4	500 ug/L
							PCB-1242 Peak 5	500 ug/L
							PCB-1268 Peak 1	500 ug/L
							PCB-1268 Peak 2	500 ug/L
							PCB-1268 Peak 3	500 ug/L
							PCB-1268 Peak 4	500 ug/L
							PCB-1268 Peak 5	500 ug/L
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L
.SG42/6810PPM_00002	04/28/16	04/28/15	HEXANE, Lot 0000096800	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
							PCB-1242 Peak 2	10000 ug/L
							PCB-1242 Peak 3	10000 ug/L
							PCB-1242 Peak 4	10000 ug/L
							PCB-1242 Peak 5	10000 ug/L
					SGpcb1268std_00006	1 mL	PCB-1268 Peak 1	10000 ug/L
							PCB-1268 Peak 2	10000 ug/L
							PCB-1268 Peak 3	10000 ug/L
							PCB-1268 Peak 4	10000 ug/L
							PCB-1268 Peak 5	10000 ug/L
..SG1242_00005	11/30/18		Restek, Lot A090182		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00006	12/31/19		Restek, Lot A097795		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18		Restek, Lot A0110081		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SG4268@0.5PPM_00007	12/24/15	06/24/15	HEXANE, Lot 0000086560	100 mL	SG42/6810PPM_00002	5 mL	Aroclor-1242	500 ug/L
							PCB-1268	500 ug/L
.SG42/6810PPM_00002	04/28/16	04/28/15	HEXANE, Lot 0000096800	100 mL	SG1242_00005	1 mL	Aroclor-1242	10000 ug/L
					SGpcb1268std_00006	1 mL	PCB-1268	10000 ug/L
..SG1242_00005	11/30/18		Restek, Lot A090182		(Purchased Reagent)		Aroclor-1242	1000 ug/mL
..SGpcb1268std_00006	12/31/19		Restek, Lot A097795		(Purchased Reagent)		PCB-1268	1000 ug/mL
SG4268@2.0PPM_00003	10/28/15	04/28/15	HEXANE, Lot 0000096800	100 mL	SG42/6810PPM_00002	20 mL	PCB-1242 Peak 1	2000 ug/L
							PCB-1242 Peak 2	2000 ug/L
							PCB-1242 Peak 3	2000 ug/L
							PCB-1242 Peak 4	2000 ug/L
							PCB-1242 Peak 5	2000 ug/L
							PCB-1268 Peak 1	2000 ug/L
							PCB-1268 Peak 2	2000 ug/L
							PCB-1268 Peak 3	2000 ug/L
							PCB-1268 Peak 4	2000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 5	2000 ug/L
					SGPCBIS STOCK_00002	0.5 mL	1-Bromo-2-nitrobenzene	50 ug/L
.SG42/6810PPM_00002	04/28/16	04/28/15	HEXANE, Lot 0000096800	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
							PCB-1242 Peak 2	10000 ug/L
							PCB-1242 Peak 3	10000 ug/L
							PCB-1242 Peak 4	10000 ug/L
							PCB-1242 Peak 5	10000 ug/L
					SGpcb1268std_00006	1 mL	PCB-1268 Peak 1	10000 ug/L
							PCB-1268 Peak 2	10000 ug/L
							PCB-1268 Peak 3	10000 ug/L
							PCB-1268 Peak 4	10000 ug/L
							PCB-1268 Peak 5	10000 ug/L
..SG1242_00005	11/30/18	Restek, Lot A090182			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00006	12/31/19	Restek, Lot A097795			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SGPCBISTD_00001	04/22/16	06/01/15	HEXANE, Lot 96800	100 mL	SGPCBIS STOCK_00002	10 mL	1-Bromo-2-nitrobenzene	1 ug/mL
.SGPCBIS STOCK_00002	04/22/16	04/22/15	HEXANE, Lot 0000086560	100 mL	ISTD_00002	1 mL	1-Bromo-2-nitrobenzene	10 ug/mL
..ISTD_00002	04/30/18	Restek, Lot A0110081			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL

Certification Summary

Client: Tetra Tech, Inc.
Project/Site: MRC Block D Oil Sheen

TestAmerica Job ID: 240-54148-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	State Program	9	2927
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky (UST)	State Program	4	58
TestAmerica Canton	Kentucky (WW)	State Program	4	98016
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Oregon	NELAP	10	4062
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-13-00319
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8082A

Polychlorinated Biphenyls (PCBs)
(GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	DCB1 #
D-SEEP-080715	240-54148-1	93	166
	MB 240-192904/5-A	57	81
	LCS 240-192904/6-A	78	92
	240-54177-I-4-B MS	56	73
	240-54177-I-4-C MSD	61	82

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
10-152
10-176

Column to be used to flag recovery values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: P1300015.D
Lab ID: LCS 240-192904/6-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	246	74	45-122	
Aroclor-1260	333	246	74	45-128	

Column to be used to flag recovery and RPD values

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: P1300012.D

Lab ID: 240-54177-I-4-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor-1016	444	16 U	283	64	10-180	
Aroclor-1260	444	12 U	279	63	10-138	

Column to be used to flag recovery and RPD values

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: P1300013.D
 Lab ID: 240-54177-I-4-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aroclor-1016	431	277	64	2	60	10-180	
Aroclor-1260	431	294	68	5	68	10-138	

Column to be used to flag recovery and RPD values

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Lab Sample ID: MB 240-192904/5-A
 Matrix: Solid Date Extracted: 08/12/2015 09:39
 Lab File ID: (1) P1300014.D Lab File ID: (2) _____
 Date Analyzed: (1) 08/13/2015 09:53 Date Analyzed: (2) _____
 Instrument ID: (1) A2HP13 Instrument ID: (2) _____
 GC Column: (1) CLP-2 ID: 0.53 (mm) GC Column: (2) _____ ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
D-SEEP-080715	240-54148-1	08/13/2015 08:45	
	240-54177-I-4-B MS	08/13/2015 09:19	
	240-54177-I-4-C MSD	08/13/2015 09:36	
	LCS 240-192904/6-A	08/13/2015 10:10	

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Sample No.: STD05 240-191314/31 Date Analyzed: 07/30/2015 19:30
 Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): P1300031.D Heated Purge: (Y/N) N
 Calibration ID: 29936

	BNB					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	41690980	2.86				
UPPER LIMIT	83381960	3.36				
LOWER LIMIT	20845490	2.36				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 240-191314/39		44476624	2.85			
CCV 240-193033/3 CCVIS		46532069	2.83			

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Sample No.: CCV 240-193033/3 Date Analyzed: 08/13/2015 06:46
 Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N
 Calibration ID: 29936

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		46532069	2.83				
UPPER LIMIT		93064138	3.33				
LOWER LIMIT		23266035	2.33				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-193033/4		47552221	2.83				
CCV 240-193033/5		45569214	2.83				
CCV 240-193033/6		48839635	2.82				
CCV 240-193033/7		48986820	2.82				
240-54148-1	D-SEEP-080715	40801952	2.82				
240-54177-I-4-B MS		43156876	2.82				
240-54177-I-4-C MSD		43362005	2.82				
MB 240-192904/5-A		44813293	2.82				
LCS 240-192904/6-A		41207288	2.82				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 240-54177-I-4-B MS
 Instrument ID (1): A2HP13 Instrument ID (2): _____
 Date Analyzed (1): 08/13/2015 09:19 Date Analyzed (2): _____
 GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): _____ ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Aroclor-1016	2	1	5.47	5.45	5.51	271	283	
		2	6.16	6.13	6.19	312		
		3	6.82	6.80	6.86	289		
		4	7.00	6.97	7.03	285		
		5	7.57	7.54	7.60	255		
Aroclor-1260	2	1	8.85	8.82	8.88	283	279	
		2	9.03	9.01	9.07	287		
		3	9.43	9.40	9.46	266		
		4	9.89	9.86	9.92	278		
		5	10.20	10.17	10.23	282		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 240-54177-I-4-C MSD
 Instrument ID (1): A2HP13 Instrument ID (2): _____
 Date Analyzed (1): 08/13/2015 09:36 Date Analyzed (2): _____
 GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): _____ ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Aroclor-1016	2	1	5.47	5.45	5.51	264	277	
		2	6.16	6.13	6.19	304		
		3	6.82	6.80	6.86	292		
		4	7.00	6.97	7.03	282		
		5	7.57	7.54	7.60	243		
Aroclor-1260	2	1	8.85	8.82	8.88	294	294	
		2	9.03	9.01	9.07	305		
		3	9.43	9.40	9.46	275		
		4	9.89	9.86	9.92	297		
		5	10.20	10.17	10.23	299		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-192904/6-A
 Instrument ID (1): A2HP13 Instrument ID (2): _____
 Date Analyzed (1): 08/13/2015 10:10 Date Analyzed (2): _____
 GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): _____ ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Aroclor-1016	2	1	5.47	5.45	5.51	240	246	
		2	6.16	6.13	6.19	258		
		3	6.82	6.80	6.86	252		
		4	7.00	6.97	7.03	250		
		5	7.57	7.54	7.60	229		
Aroclor-1260	2	1	8.85	8.82	8.88	256	246	
		2	9.03	9.01	9.07	258		
		3	9.43	9.40	9.46	226		
		4	9.89	9.86	9.92	245		
		5	10.20	10.17	10.23	243		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-54148-1</u>
SDG No.: _____	
Client Sample ID: <u>D-SEEP-080715</u>	Lab Sample ID: <u>240-54148-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>P1300010.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/07/2015 12:00</u>
Extraction Method: <u>3550C</u>	Date Extracted: <u>08/12/2015 09:39</u>
Sample wt/vol: <u>29.54(g)</u>	Date Analyzed: <u>08/13/2015 08:45</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>19.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>193033</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	15	U	42	15
11104-28-2	Aroclor-1221	20	U	42	20
11141-16-5	Aroclor-1232	25	U	42	25
53469-21-9	Aroclor-1242	14	U	42	14
12672-29-6	Aroclor-1248	10	U	42	10
11097-69-1	Aroclor-1254	18	U	42	18
11096-82-5	Aroclor-1260	11	U	42	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		10-152
2051-24-3	DCB Decachlorobiphenyl	166		10-176

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 11:18 Calibration End Date: 07/30/2015 12:43 Calibration ID: 29912

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/4	P1300004.D
Level 2	STD01 240-191314/5	P1300005.D
Level 3	STD02 240-191314/6	P1300006.D
Level 4	STD05 240-191314/7	P1300007.D
Level 5	STD1 240-191314/8	P1300008.D
Level 6	STD2 240-191314/9	P1300009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1221 Peak 1	0.0129 0.0092	0.0122	0.0113	0.0104	0.0098	Lin1	0.0003	0.0094							0.9980		0.9900
PCB-1221 Peak 2	0.0091 0.0061	0.0087	0.0080	0.0072	0.0067	Lin1	0.0002	0.0062							0.9950		0.9900
PCB-1221 Peak 3	0.0326 0.0225	0.0302	0.0278	0.0252	0.0240	Lin1	0.0007	0.0228							0.9980		0.9900
PCB-1254 Peak 1	0.0377 0.0298	0.0357	0.0335	0.0317	0.0313	Lin1	0.0005	0.0301							0.9990		0.9900
PCB-1254 Peak 2	0.0407 0.0319	0.0390	0.0365	0.0341	0.0336	Lin1	0.0006	0.0323							0.9990		0.9900
PCB-1254 Peak 3	0.0635 0.0535	0.0609	0.0573	0.0554	0.0555	Lin1	0.0006	0.0538							1.0000		0.9900
PCB-1254 Peak 4	0.0418 0.0348	0.0400	0.0381	0.0361	0.0366	Lin1	0.0004	0.0352							0.9990		0.9900
PCB-1254 Peak 5	0.0530 0.0460	0.0521	0.0500	0.0482	0.0481	Lin1	0.0005	0.0466							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 11:18 Calibration End Date: 07/30/2015 12:43 Calibration ID: 29912

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/4	P1300004.D
Level 2	STD01 240-191314/5	P1300005.D
Level 3	STD02 240-191314/6	P1300006.D
Level 4	STD05 240-191314/7	P1300007.D
Level 5	STD1 240-191314/8	P1300008.D
Level 6	STD2 240-191314/9	P1300009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	BNB	Lin1	496881 14929078	997316	1784800	4239865	7929486	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	BNB	Lin1	350891 9867943	710443	1267051	2911024	5378891	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	BNB	Lin1	1260740 36538253	2470596	4397288	10225421	19354605	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	BNB	Lin1	1459068 48471766	2920363	5301983	12861830	25230141	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	BNB	Lin1	1574611 51882418	3190160	5775796	13866643	27123013	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	BNB	Lin1	2456193 87029724	4988765	9059867	22500359	44768205	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	BNB	Lin1	1617074 56599943	3274114	6032200	14683646	29532776	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	BNB	Lin1	2048739 74872854	4267346	7905436	19600275	38797125	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 13:21 Calibration End Date: 07/30/2015 14:47 Calibration ID: 29918

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/10	P1300010.D
Level 2	STD01 240-191314/11	P1300011.D
Level 3	STD02 240-191314/12	P1300012.D
Level 4	STD05 240-191314/13	P1300013.D
Level 5	STD1 240-191314/14	P1300014.D
Level 6	STD2 240-191314/15	P1300015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1232 Peak 1	0.0274 0.0195	0.0267	0.0238	0.0221	0.0205	Lin1	0.0006	0.0197							0.9980		0.9900
PCB-1232 Peak 2	0.0224 0.0157	0.0219	0.0196	0.0182	0.0166	Lin1	0.0005	0.0159							0.9970		0.9900
PCB-1232 Peak 3	0.0374 0.0307	0.0366	0.0335	0.0327	0.0310	Lin1	0.0005	0.0307							1.0000		0.9900
PCB-1232 Peak 4	0.0192 0.0131	0.0184	0.0163	0.0151	0.0140	Lin1	0.0004	0.0133							0.9970		0.9900
PCB-1232 Peak 5	0.0117 0.0085	0.0114	0.0104	0.0099	0.0091	Lin1	0.0002	0.0087							0.9970		0.9900
PCB-1262 Peak 1	0.0387 0.0327	0.0390	0.0362	0.0353	0.0332	Lin1	0.0005	0.0329							0.9990		0.9900
PCB-1262 Peak 2	0.0576 0.0494	0.0564	0.0523	0.0517	0.0494	Lin1	0.0005	0.0493							1.0000		0.9900
PCB-1262 Peak 3	0.0498 0.0437	0.0496	0.0456	0.0453	0.0434	Lin1	0.0004	0.0435							1.0000		0.9900
PCB-1262 Peak 4	0.1037 0.0962	0.0995	0.0942	0.0966	0.0940	Lin1	0.0003	0.0952							1.0000		0.9900
PCB-1262 Peak 5	0.0739 0.0664	0.0718	0.0673	0.0677	0.0653	Lin1	0.0004	0.0659							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 13:21 Calibration End Date: 07/30/2015 14:47 Calibration ID: 29918

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/10	P1300010.D
Level 2	STD01 240-191314/11	P1300011.D
Level 3	STD02 240-191314/12	P1300012.D
Level 4	STD05 240-191314/13	P1300013.D
Level 5	STD1 240-191314/14	P1300014.D
Level 6	STD2 240-191314/15	P1300015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	BNB	Lin1	1141300 31369625	2140236	3925017	8897609	16283134	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	BNB	Lin1	934300 25212061	1759685	3224470	7340989	13195697	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	BNB	Lin1	1557296 49434952	2937232	5514520	13163794	24577432	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	BNB	Lin1	797621 21148820	1476443	2689859	6085142	11070866	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	BNB	Lin1	485451 13709326	915402	1712025	3983866	7190291	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 1	BNB	Lin1	1609863 52652027	3128028	5974690	14204186	26340265	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 2	BNB	Lin1	2400050 79564900	4521856	8614561	20819893	39234572	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 3	BNB	Lin1	2074383 70307310	3978607	7517804	18233500	34431295	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 4	BNB	Lin1	4320730 154848111	7983409	15531927	38917360	74585361	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 5	BNB	Lin1	3079407 106972626	5758276	11086906	27280426	51774763	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 15:04 Calibration End Date: 07/30/2015 16:29 Calibration ID: 29924

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/16	P1300016.D
Level 2	STD01 240-191314/17	P1300017.D
Level 3	STD02 240-191314/18	P1300018.D
Level 4	STD05 240-191314/19	P1300019.D
Level 5	STD1 240-191314/20	P1300020.D
Level 6	STD2 240-191314/21	P1300021.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1242 Peak 1	0.0196 0.0132	0.0186	0.0170	0.0155	0.0143	Lin1	0.0004	0.0135							0.9960		0.9900
PCB-1242 Peak 2	0.0352 0.0249	0.0335	0.0308	0.0281	0.0263	Lin1	0.0007	0.0253							0.9980		0.9900
PCB-1242 Peak 3	0.0625 0.0553	0.0613	0.0574	0.0560	0.0551	Lin1	0.0005	0.0550							1.0000		0.9900
PCB-1242 Peak 4	0.0274 0.0220	0.0271	0.0268	0.0243	0.0229	Lin1	0.0004	0.0223							0.9980		0.9900
PCB-1242 Peak 5	0.0210 0.0162	0.0203	0.0188	0.0175	0.0167	Lin1	0.0003	0.0163							0.9990		0.9900
PCB-1268 Peak 1	0.1169 0.1163	0.1156	0.1113	0.1103	0.1103	Lin1	0	0.1138							0.9990		0.9900
PCB-1268 Peak 2	0.1149 0.1143	0.1146	0.1114	0.1097	0.1090	Lin1	0	0.1122							0.9990		0.9900
PCB-1268 Peak 3	0.1006 0.0975	0.0997	0.0954	0.0937	0.0932	Lin1	0.0002	0.0956							0.9990		0.9900
PCB-1268 Peak 4	0.0417 0.0385	0.0419	0.0400	0.0384	0.0377	Lin1	0.0002	0.0381							1.0000		0.9900
PCB-1268 Peak 5	0.3010 0.3311	0.3056	0.2994	0.3035	0.3096	Lin1	-0.002	0.3227							0.9980		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 15:04 Calibration End Date: 07/30/2015 16:29 Calibration ID: 29924

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/16	P1300016.D
Level 2	STD01 240-191314/17	P1300017.D
Level 3	STD02 240-191314/18	P1300018.D
Level 4	STD05 240-191314/19	P1300019.D
Level 5	STD1 240-191314/20	P1300020.D
Level 6	STD2 240-191314/21	P1300021.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	BNB	Lin1	810272 22623131	1527838	2732079	6171358	11421201	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	BNB	Lin1	1457027 42583014	2749954	4954397	11194858	21048781	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	BNB	Lin1	2587641 94495640	5037237	9225757	22334625	44001241	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	BNB	Lin1	1135198 37658560	2231146	4307778	9673722	18299882	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	BNB	Lin1	870331 27657995	1665701	3031560	6995791	13340266	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 1	BNB	Lin1	4842703 198849970	9500239	17905454	44003273	88165823	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	BNB	Lin1	4759782 195411794	9415647	17909398	43743581	87078377	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	BNB	Lin1	4167271 166719035	8190781	15343174	37351686	74469413	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	BNB	Lin1	1727143 65782593	3444301	6431786	15326463	30160791	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	BNB	Lin1	12468760 565885753	25116359	48151459	121053389	247410761	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 16:46 Calibration End Date: 07/30/2015 18:11 Calibration ID: 29930

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/22	P1300022.D
Level 2	STD01 240-191314/23	P1300023.D
Level 3	STD02 240-191314/24	P1300024.D
Level 4	STD05 240-191314/25	P1300025.D
Level 5	STD1 240-191314/26	P1300026.D
Level 6	STD2 240-191314/27	P1300027.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1248 Peak 1	0.0190 0.0138	0.0188	0.0171	0.0155	0.0146	Lin1	0.0004	0.0140							0.9980		0.9900
PCB-1248 Peak 2	0.0329 0.0264	0.0317	0.0292	0.0270	0.0269	Lin1	0.0004	0.0263							1.0000		0.9900
PCB-1248 Peak 3	0.0373 0.0334	0.0365	0.0351	0.0327	0.0336	Lin1	0.0002	0.0332							1.0000		0.9900
PCB-1248 Peak 4	0.0347 0.0323	0.0344	0.0331	0.0312	0.0322	Lin1	0.0002	0.0320							1.0000		0.9900
PCB-1248 Peak 5	0.0196 0.0165	0.0194	0.0180	0.0170	0.0169	Lin1	0.0002	0.0165							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 16:46 Calibration End Date: 07/30/2015 18:11 Calibration ID: 29930

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/22	P1300022.D
Level 2	STD01 240-191314/23	P1300023.D
Level 3	STD02 240-191314/24	P1300024.D
Level 4	STD05 240-191314/25	P1300025.D
Level 5	STD1 240-191314/26	P1300026.D
Level 6	STD2 240-191314/27	P1300027.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	BNB	Lin1	818953 23170744	1505275	2818911	6712393	12368788	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	BNB	Lin1	1421464 44339250	2536593	4817035	11735114	22726903	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	BNB	Lin1	1611115 56113417	2925910	5785634	14202590	28400396	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	BNB	Lin1	1498719 54282626	2759062	5459827	13534220	27208756	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	BNB	Lin1	848402 27697736	1555706	2966003	7380595	14274596	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 18:39 Calibration End Date: 07/30/2015 20:04 Calibration ID: 29936

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/28	P1300028.D
Level 2	STD01 240-191314/29	P1300029.D
Level 3	STD02 240-191314/30	P1300030.D
Level 4	STD05 240-191314/31	P1300031.D
Level 5	STD1 240-191314/32	P1300032.D
Level 6	STD2 240-191314/33	P1300033.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0228 0.0156	0.0213	0.0200	0.0184	0.0170	Lin1	0.0005	0.0160							0.9960		0.9900
PCB-1016 Peak 2	0.0426 0.0300	0.0399	0.0372	0.0347	0.0324	Lin1	0.0008	0.0307							0.9970		0.9900
PCB-1016 Peak 3	0.0780 0.0675	0.0744	0.0706	0.0708	0.0697	Lin1	0.0006	0.0680							1.0000		0.9900
PCB-1016 Peak 4	0.0354 0.0260	0.0340	0.0305	0.0295	0.0280	Lin1	0.0006	0.0266							0.9980		0.9900
PCB-1016 Peak 5	0.0257 0.0195	0.0242	0.0228	0.0216	0.0206	Lin1	0.0004	0.0198							0.9990		0.9900
PCB-1260 Peak 1	0.0456 0.0373	0.0446	0.0408	0.0402	0.0386	Lin1	0.0006	0.0376							0.9990		0.9900
PCB-1260 Peak 2	0.0513 0.0425	0.0491	0.0453	0.0451	0.0434	Lin1	0.0005	0.0426							1.0000		0.9900
PCB-1260 Peak 3	0.0385 0.0314	0.0370	0.0342	0.0333	0.0320	Lin1	0.0005	0.0315							1.0000		0.9900
PCB-1260 Peak 4	0.0863 0.0805	0.0821	0.0773	0.0794	0.0784	Lin1	0.0002	0.0794							1.0000		0.9900
PCB-1260 Peak 5	0.0600 0.0545	0.0581	0.0539	0.0548	0.0535	Lin1	0.0003	0.0540							1.0000		0.9900
Tetrachloro-m-xylene	1.0482 1.0260	1.0399	1.0058	0.9891	1.0329	Lin1	0	1.0222							1.0000		0.9900
DCB Decachlorobiphenyl	0.9335 0.7473	0.9056	0.8247	0.7718	0.7508	Lin1	0.0006	0.7425							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-54148-1 Analy Batch No.: 191314

SDG No.: _____

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2015 18:39 Calibration End Date: 07/30/2015 20:04 Calibration ID: 29936

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-191314/28	P1300028.D
Level 2	STD01 240-191314/29	P1300029.D
Level 3	STD02 240-191314/30	P1300030.D
Level 4	STD05 240-191314/31	P1300031.D
Level 5	STD1 240-191314/32	P1300032.D
Level 6	STD2 240-191314/33	P1300033.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	1071472 29516150	1885860	3372056	7677986	14534867	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Lin1	2008064 56878396	3535512	6282463	14451033	27712985	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Lin1	3674819 127896965	6595857	11923366	29524453	59496585	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Lin1	1669096 49336503	3014358	5151778	12294479	23893406	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Lin1	1209985 36914308	2144739	3840716	9025698	17582231	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Lin1	2147934 70635090	3948787	6894586	16779223	32986151	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Lin1	2416069 80473216	4347961	7640727	18793771	37104764	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Lin1	1812031 59546370	3276568	5775351	13893868	27308454	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Lin1	4062252 152503750	7271686	13053808	33103403	66953041	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Lin1	2827738 103243883	5143813	9102597	22836303	45735723	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Lin1	2468314 97240697	4606467	8488204	20618000	44108468	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	BNB	Lin1	2198156 70825163	4011815	6959649	16088335	32060891	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Lin1 = Linear 1/conc ISTD

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Lab Sample ID: ICV 240-191314/39 Calibration Date: 07/30/2015 21:46
 Instrument ID: A2HP13 Calib Start Date: 07/30/2015 18:39
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 20:04
 Lab File ID: P1300039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0159		0.964	1.00	-3.6	20.0
PCB-1016 Peak 2	Lin1		0.0321		1.02	1.00	1.6	20.0
PCB-1016 Peak 3	Lin1		0.0703		1.02	1.00	2.4	20.0
PCB-1016 Peak 4	Lin1		0.0274		1.01	1.00	0.6	20.0
PCB-1016 Peak 5	Lin1		0.0202		0.998	1.00	-0.2	20.0
PCB-1260 Peak 1	Lin1		0.0382		1.00	1.00	0.0	20.0
PCB-1260 Peak 2	Lin1		0.0444		1.03	1.00	2.8	20.0
PCB-1260 Peak 3	Lin1		0.0299		0.936	1.00	-6.4	20.0
PCB-1260 Peak 4	Lin1		0.0770		0.967	1.00	-3.3	20.0
PCB-1260 Peak 5	Lin1		0.0531		0.978	1.00	-2.2	20.0
Tetrachloro-m-xylene	Lin1		0.9665		0.0473	0.0500	-5.5	20.0
DCB Decachlorobiphenyl	Lin1		0.7215		0.0477	0.0500	-4.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Lab Sample ID: ICV 240-191314/39 Calibration Date: 07/30/2015 21:46
 Instrument ID: A2HP13 Calib Start Date: 07/30/2015 18:39
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 20:04
 Lab File ID: P1300039.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.51	5.48	5.54
PCB-1016 Peak 2	6.20	6.16	6.22
PCB-1016 Peak 3	6.86	6.83	6.89
PCB-1016 Peak 4	7.03	7.00	7.06
PCB-1016 Peak 5	7.60	7.57	7.63
PCB-1260 Peak 1	8.88	8.85	8.91
PCB-1260 Peak 2	9.06	9.03	9.09
PCB-1260 Peak 3	9.46	9.43	9.49
PCB-1260 Peak 4	9.92	9.89	9.95
PCB-1260 Peak 5	10.23	10.20	10.26
Tetrachloro-m-xylene	4.58	4.55	4.61
DCB Decachlorobiphenyl	11.28	11.25	11.31

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Lab Sample ID: CCV 240-193033/3 Calibration Date: 08/13/2015 06:46
 Instrument ID: A2HP13 Calib Start Date: 07/30/2015 18:39
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 20:04
 Lab File ID: P1300003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0178		0.525	0.500	4.9	20.0
PCB-1016 Peak 2	Lin1		0.0338		0.523	0.500	4.6	20.0
PCB-1016 Peak 3	Lin1		0.0677		0.489	0.500	-2.3	20.0
PCB-1016 Peak 4	Lin1		0.0281		0.505	0.500	1.1	20.0
PCB-1016 Peak 5	Lin1		0.0208		0.505	0.500	1.0	20.0
PCB-1260 Peak 1	Lin1		0.0384		0.496	0.500	-0.8	20.0
PCB-1260 Peak 2	Lin1		0.0436		0.499	0.500	-0.2	20.0
PCB-1260 Peak 3	Lin1		0.0318		0.491	0.500	-1.8	20.0
PCB-1260 Peak 4	Lin1		0.0780		0.489	0.500	-2.2	20.0
PCB-1260 Peak 5	Lin1		0.0540		0.495	0.500	-0.9	20.0
Tetrachloro-m-xylene	Lin1		0.9816		0.0240	0.0250	-4.0	20.0
DCB Decachlorobiphenyl	Lin1		0.7302		0.0237	0.0250	-5.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Lab Sample ID: CCV 240-193033/3 Calibration Date: 08/13/2015 06:46
 Instrument ID: A2HP13 Calib Start Date: 07/30/2015 18:39
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 20:04
 Lab File ID: P1300003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.48	5.45	5.51
PCB-1016 Peak 2	6.16	6.13	6.19
PCB-1016 Peak 3	6.83	6.80	6.86
PCB-1016 Peak 4	7.00	6.97	7.03
PCB-1016 Peak 5	7.57	7.54	7.60
PCB-1260 Peak 1	8.85	8.82	8.88
PCB-1260 Peak 2	9.04	9.01	9.07
PCB-1260 Peak 3	9.43	9.40	9.46
PCB-1260 Peak 4	9.89	9.86	9.92
PCB-1260 Peak 5	10.20	10.17	10.23
Tetrachloro-m-xylene	4.55	4.52	4.58
DCB Decachlorobiphenyl	11.24	11.21	11.27

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Lab Sample ID: CCV 240-193033/4 Calibration Date: 08/13/2015 07:03
 Instrument ID: A2HP13 Calib Start Date: 07/30/2015 13:21
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 14:47
 Lab File ID: P1300004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0208		0.498	0.500	-0.4	20.0
PCB-1232 Peak 2	Lin1		0.0173		0.511	0.500	2.2	20.0
PCB-1232 Peak 3	Lin1		0.0304		0.481	0.500	-3.9	20.0
PCB-1232 Peak 4	Lin1		0.0136		0.479	0.500	-4.1	20.0
PCB-1232 Peak 5	Lin1		0.0090		0.490	0.500	-2.0	20.0
PCB-1262 Peak 1	Lin1		0.0328		0.485	0.500	-3.0	20.0
PCB-1262 Peak 2	Lin1		0.0478		0.474	0.500	-5.3	20.0
PCB-1262 Peak 3	Lin1		0.0425		0.479	0.500	-4.3	20.0
PCB-1262 Peak 4	Lin1		0.0916		0.477	0.500	-4.6	20.0
PCB-1262 Peak 5	Lin1		0.0642		0.480	0.500	-3.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
SDG No.: _____
Lab Sample ID: CCV 240-193033/4 Calibration Date: 08/13/2015 07:03
Instrument ID: A2HP13 Calib Start Date: 07/30/2015 13:21
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 14:47
Lab File ID: P1300004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	5.48	5.45	5.51
PCB-1232 Peak 2	6.16	6.13	6.19
PCB-1232 Peak 3	6.83	6.80	6.86
PCB-1232 Peak 4	7.00	6.97	7.03
PCB-1232 Peak 5	7.57	7.54	7.60
PCB-1262 Peak 1	9.03	9.00	9.06
PCB-1262 Peak 2	9.43	9.40	9.46
PCB-1262 Peak 3	9.68	9.65	9.71
PCB-1262 Peak 4	9.89	9.86	9.92
PCB-1262 Peak 5	10.19	10.16	10.22

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Lab Sample ID: CCV 240-193033/5 Calibration Date: 08/13/2015 07:20
 Instrument ID: A2HP13 Calib Start Date: 07/30/2015 15:04
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 16:29
 Lab File ID: P1300005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0148		0.516	0.500	3.1	20.0
PCB-1242 Peak 2	Lin1		0.0269		0.504	0.500	0.8	20.0
PCB-1242 Peak 3	Lin1		0.0528		0.472	0.500	-5.7	20.0
PCB-1242 Peak 4	Lin1		0.0225		0.484	0.500	-3.2	20.0
PCB-1242 Peak 5	Lin1		0.0166		0.490	0.500	-2.0	20.0
PCB-1268 Peak 1	Lin1		0.1052		0.463	0.500	-7.4	20.0
PCB-1268 Peak 2	Lin1		0.1038		0.462	0.500	-7.5	20.0
PCB-1268 Peak 3	Lin1		0.0879		0.458	0.500	-8.5	20.0
PCB-1268 Peak 4	Lin1		0.0372		0.481	0.500	-3.8	20.0
PCB-1268 Peak 5	Lin1		0.2830		0.445	0.500	-10.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
SDG No.: _____
Lab Sample ID: CCV 240-193033/5 Calibration Date: 08/13/2015 07:20
Instrument ID: A2HP13 Calib Start Date: 07/30/2015 15:04
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 16:29
Lab File ID: P1300005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	5.48	5.45	5.51
PCB-1242 Peak 2	6.16	6.13	6.19
PCB-1242 Peak 3	6.83	6.80	6.86
PCB-1242 Peak 4	7.00	6.97	7.03
PCB-1242 Peak 5	7.57	7.54	7.60
PCB-1268 Peak 1	10.19	10.16	10.22
PCB-1268 Peak 2	10.23	10.20	10.26
PCB-1268 Peak 3	10.44	10.41	10.47
PCB-1268 Peak 4	10.68	10.65	10.71
PCB-1268 Peak 5	10.98	10.95	11.01

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-54148-1
SDG No.: _____
Lab Sample ID: CCV 240-193033/6 Calibration Date: 08/13/2015 07:37
Instrument ID: A2HP13 Calib Start Date: 07/30/2015 16:46
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 18:11
Lab File ID: P1300006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0152		0.516	0.500	3.1	20.0
PCB-1248 Peak 2	Lin1		0.0264		0.486	0.500	-2.9	20.0
PCB-1248 Peak 3	Lin1		0.0323		0.479	0.500	-4.2	20.0
PCB-1248 Peak 4	Lin1		0.0317		0.490	0.500	-2.0	20.0
PCB-1248 Peak 5	Lin1		0.0168		0.494	0.500	-1.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
SDG No.: _____
Lab Sample ID: CCV 240-193033/6 Calibration Date: 08/13/2015 07:37
Instrument ID: A2HP13 Calib Start Date: 07/30/2015 16:46
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 18:11
Lab File ID: P1300006.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	6.16	6.13	6.19
PCB-1248 Peak 2	7.57	7.54	7.60
PCB-1248 Peak 3	8.03	8.00	8.06
PCB-1248 Peak 4	8.26	8.23	8.29
PCB-1248 Peak 5	8.67	8.64	8.70

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Lab Sample ID: CCV 240-193033/7 Calibration Date: 08/13/2015 07:54
 Instrument ID: A2HP13 Calib Start Date: 07/30/2015 11:18
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 12:43
 Lab File ID: P1300007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0098		0.495	0.500	-1.1	20.0
PCB-1221 Peak 2	Lin1		0.0067		0.504	0.500	0.9	20.0
PCB-1221 Peak 3	Lin1		0.0238		0.493	0.500	-1.4	20.0
PCB-1254 Peak 1	Lin1		0.0295		0.474	0.500	-5.1	20.0
PCB-1254 Peak 2	Lin1		0.0325		0.486	0.500	-2.9	20.0
PCB-1254 Peak 3	Lin1		0.0526		0.477	0.500	-4.6	20.0
PCB-1254 Peak 4	Lin1		0.0347		0.482	0.500	-3.6	20.0
PCB-1254 Peak 5	Lin1		0.0457		0.481	0.500	-3.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-54148-1
SDG No.: _____
Lab Sample ID: CCV 240-193033/7 Calibration Date: 08/13/2015 07:54
Instrument ID: A2HP13 Calib Start Date: 07/30/2015 11:18
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 07/30/2015 12:43
Lab File ID: P1300007.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	5.12	5.09	5.15
PCB-1221 Peak 2	5.37	5.34	5.40
PCB-1221 Peak 3	5.47	5.44	5.50
PCB-1254 Peak 1	8.02	7.99	8.05
PCB-1254 Peak 2	8.22	8.19	8.25
PCB-1254 Peak 3	8.67	8.64	8.70
PCB-1254 Peak 4	8.87	8.84	8.90
PCB-1254 Peak 5	9.35	9.32	9.38

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-192904/5-A
 Matrix: Solid Lab File ID: P1300014.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3550C Date Extracted: 08/12/2015 09:39
 Sample wt/vol: 30(g) Date Analyzed: 08/13/2015 09:53
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 193033 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	12	U	33	12
11104-28-2	Aroclor-1221	16	U	33	16
11141-16-5	Aroclor-1232	20	U	33	20
53469-21-9	Aroclor-1242	11	U	33	11
12672-29-6	Aroclor-1248	8.0	U	33	8.0
11097-69-1	Aroclor-1254	14	U	33	14
11096-82-5	Aroclor-1260	9.0	U	33	9.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	57		10-152
2051-24-3	DCB Decachlorobiphenyl	81		10-176

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-54148-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 240-192904/6-A
 Matrix: Solid Lab File ID: P1300015.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3550C Date Extracted: 08/12/2015 09:39
 Sample wt/vol: 30(g) Date Analyzed: 08/13/2015 10:10
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 193033 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	246		33	12
11096-82-5	Aroclor-1260	246		33	9.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		10-152
2051-24-3	DCB Decachlorobiphenyl	92		10-176

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-54148-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>240-54177-I-4-B MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>P1300012.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/10/2015 16:00</u>
Extraction Method: <u>3550C</u>	Date Extracted: <u>08/12/2015 09:39</u>
Sample wt/vol: <u>29.59(g)</u>	Date Analyzed: <u>08/13/2015 09:19</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>23.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>193033</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	283		44	16
11104-28-2	Aroclor-1221	21	U	44	21
11141-16-5	Aroclor-1232	27	U	44	27
53469-21-9	Aroclor-1242	15	U	44	15
12672-29-6	Aroclor-1248	11	U	44	11
11097-69-1	Aroclor-1254	19	U	44	19
11096-82-5	Aroclor-1260	279		44	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	56		10-152
2051-24-3	DCB Decachlorobiphenyl	73		10-176

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-54148-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>240-54177-I-4-C MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>P1300013.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/10/2015 16:00</u>
Extraction Method: <u>3550C</u>	Date Extracted: <u>08/12/2015 09:39</u>
Sample wt/vol: <u>30.45(g)</u>	Date Analyzed: <u>08/13/2015 09:36</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>23.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>193033</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	277		43	16
11104-28-2	Aroclor-1221	21	U	43	21
11141-16-5	Aroclor-1232	26	U	43	26
53469-21-9	Aroclor-1242	14	U	43	14
12672-29-6	Aroclor-1248	10	U	43	10
11097-69-1	Aroclor-1254	18	U	43	18
11096-82-5	Aroclor-1260	294		43	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	61		10-152
2051-24-3	DCB Decachlorobiphenyl	82		10-176

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-54148-1

SDG No.: _____

Instrument ID: A2HP13Start Date: 07/30/2015 11:18Analysis Batch Number: 191314End Date: 07/30/2015 22:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-191314/4 IC		07/30/2015 11:18	1		CLP-1 0.53 (mm)
STD005 240-191314/4 IC		07/30/2015 11:18	1	P1300004.D	CLP-2 0.53 (mm)
STD01 240-191314/5 IC		07/30/2015 11:35	1		CLP-1 0.53 (mm)
STD01 240-191314/5 IC		07/30/2015 11:35	1	P1300005.D	CLP-2 0.53 (mm)
STD02 240-191314/6 IC		07/30/2015 11:52	1		CLP-1 0.53 (mm)
STD02 240-191314/6 IC		07/30/2015 11:52	1	P1300006.D	CLP-2 0.53 (mm)
STD05 240-191314/7 IC		07/30/2015 12:09	1		CLP-1 0.53 (mm)
STD05 240-191314/7 IC		07/30/2015 12:09	1	P1300007.D	CLP-2 0.53 (mm)
STD1 240-191314/8 IC		07/30/2015 12:26	1		CLP-1 0.53 (mm)
STD1 240-191314/8 IC		07/30/2015 12:26	1	P1300008.D	CLP-2 0.53 (mm)
STD2 240-191314/9 IC		07/30/2015 12:43	1		CLP-1 0.53 (mm)
STD2 240-191314/9 IC		07/30/2015 12:43	1	P1300009.D	CLP-2 0.53 (mm)
STD005 240-191314/10 IC		07/30/2015 13:21	1		CLP-1 0.53 (mm)
STD005 240-191314/10 IC		07/30/2015 13:21	1	P1300010.D	CLP-2 0.53 (mm)
STD01 240-191314/11 IC		07/30/2015 13:38	1		CLP-1 0.53 (mm)
STD01 240-191314/11 IC		07/30/2015 13:38	1	P1300011.D	CLP-2 0.53 (mm)
STD02 240-191314/12 IC		07/30/2015 13:56	1		CLP-1 0.53 (mm)
STD02 240-191314/12 IC		07/30/2015 13:56	1	P1300012.D	CLP-2 0.53 (mm)
STD05 240-191314/13 IC		07/30/2015 14:13	1		CLP-1 0.53 (mm)
STD05 240-191314/13 IC		07/30/2015 14:13	1	P1300013.D	CLP-2 0.53 (mm)
STD1 240-191314/14 IC		07/30/2015 14:30	1		CLP-1 0.53 (mm)
STD1 240-191314/14 IC		07/30/2015 14:30	1	P1300014.D	CLP-2 0.53 (mm)
STD2 240-191314/15 IC		07/30/2015 14:47	1		CLP-1 0.53 (mm)
STD2 240-191314/15 IC		07/30/2015 14:47	1	P1300015.D	CLP-2 0.53 (mm)
STD005 240-191314/16 IC		07/30/2015 15:04	1		CLP-1 0.53 (mm)
STD005 240-191314/16 IC		07/30/2015 15:04	1	P1300016.D	CLP-2 0.53 (mm)
STD01 240-191314/17 IC		07/30/2015 15:21	1		CLP-1 0.53 (mm)
STD01 240-191314/17 IC		07/30/2015 15:21	1	P1300017.D	CLP-2 0.53 (mm)
STD02 240-191314/18 IC		07/30/2015 15:38	1		CLP-1 0.53 (mm)
STD02 240-191314/18 IC		07/30/2015 15:38	1	P1300018.D	CLP-2 0.53 (mm)
STD05 240-191314/19 IC		07/30/2015 15:55	1		CLP-1 0.53 (mm)
STD05 240-191314/19 IC		07/30/2015 15:55	1	P1300019.D	CLP-2 0.53 (mm)
STD1 240-191314/20 IC		07/30/2015 16:12	1		CLP-1 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-54148-1

SDG No.: _____

Instrument ID: A2HP13Start Date: 07/30/2015 11:18Analysis Batch Number: 191314End Date: 07/30/2015 22:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-191314/20 IC		07/30/2015 16:12	1	P1300020.D	CLP-2 0.53 (mm)
STD2 240-191314/21 IC		07/30/2015 16:29	1		CLP-1 0.53 (mm)
STD2 240-191314/21 IC		07/30/2015 16:29	1	P1300021.D	CLP-2 0.53 (mm)
STD005 240-191314/22 IC		07/30/2015 16:46	1		CLP-1 0.53 (mm)
STD005 240-191314/22 IC		07/30/2015 16:46	1	P1300022.D	CLP-2 0.53 (mm)
STD01 240-191314/23 IC		07/30/2015 17:03	1		CLP-1 0.53 (mm)
STD01 240-191314/23 IC		07/30/2015 17:03	1	P1300023.D	CLP-2 0.53 (mm)
STD02 240-191314/24 IC		07/30/2015 17:20	1		CLP-1 0.53 (mm)
STD02 240-191314/24 IC		07/30/2015 17:20	1	P1300024.D	CLP-2 0.53 (mm)
STD05 240-191314/25 IC		07/30/2015 17:37	1		CLP-1 0.53 (mm)
STD05 240-191314/25 IC		07/30/2015 17:37	1	P1300025.D	CLP-2 0.53 (mm)
STD1 240-191314/26 IC		07/30/2015 17:54	1		CLP-1 0.53 (mm)
STD1 240-191314/26 IC		07/30/2015 17:54	1	P1300026.D	CLP-2 0.53 (mm)
STD2 240-191314/27 IC		07/30/2015 18:11	1		CLP-1 0.53 (mm)
STD2 240-191314/27 IC		07/30/2015 18:11	1	P1300027.D	CLP-2 0.53 (mm)
STD005 240-191314/28 IC		07/30/2015 18:39	1		CLP-1 0.53 (mm)
STD005 240-191314/28 IC		07/30/2015 18:39	1	P1300028.D	CLP-2 0.53 (mm)
STD01 240-191314/29 IC		07/30/2015 18:56	1		CLP-1 0.53 (mm)
STD01 240-191314/29 IC		07/30/2015 18:56	1	P1300029.D	CLP-2 0.53 (mm)
STD02 240-191314/30 IC		07/30/2015 19:13	1		CLP-1 0.53 (mm)
STD02 240-191314/30 IC		07/30/2015 19:13	1	P1300030.D	CLP-2 0.53 (mm)
STD05 240-191314/31 ICIS		07/30/2015 19:30	1		CLP-1 0.53 (mm)
STD05 240-191314/31 ICIS		07/30/2015 19:30	1	P1300031.D	CLP-2 0.53 (mm)
STD1 240-191314/32 IC		07/30/2015 19:47	1		CLP-1 0.53 (mm)
STD1 240-191314/32 IC		07/30/2015 19:47	1	P1300032.D	CLP-2 0.53 (mm)
STD2 240-191314/33 IC		07/30/2015 20:04	1		CLP-1 0.53 (mm)
STD2 240-191314/33 IC		07/30/2015 20:04	1	P1300033.D	CLP-2 0.53 (mm)
ICV 240-191314/34		07/30/2015 20:21	1		CLP-1 0.53 (mm)
ICV 240-191314/34		07/30/2015 20:21	1		CLP-2 0.53 (mm)
ICV 240-191314/35		07/30/2015 20:38	1		CLP-1 0.53 (mm)
ICV 240-191314/35		07/30/2015 20:38	1		CLP-2 0.53 (mm)
ICV 240-191314/36		07/30/2015 20:55	1		CLP-1 0.53 (mm)
ICV 240-191314/36		07/30/2015 20:55	1		CLP-2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Instrument ID: A2HP13 Start Date: 07/30/2015 11:18Analysis Batch Number: 191314 End Date: 07/30/2015 22:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 240-191314/37		07/30/2015 21:12	1		CLP-1 0.53 (mm)
ICV 240-191314/37		07/30/2015 21:12	1		CLP-2 0.53 (mm)
ICV 240-191314/38		07/30/2015 21:29	1		CLP-1 0.53 (mm)
ICV 240-191314/38		07/30/2015 21:29	1		CLP-2 0.53 (mm)
ICV 240-191314/39		07/30/2015 21:46	1		CLP-1 0.53 (mm)
ICV 240-191314/39		07/30/2015 21:46	1	P1300039.D	CLP-2 0.53 (mm)
ICV 240-191314/40		07/30/2015 22:03	1		CLP-1 0.53 (mm)
ICV 240-191314/40		07/30/2015 22:03	1		CLP-2 0.53 (mm)
ICV 240-191314/41		07/30/2015 22:20	1		CLP-1 0.53 (mm)
ICV 240-191314/41		07/30/2015 22:20	1		CLP-2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica CantonJob No.: 240-54148-1

SDG No.: _____

Instrument ID: A2HP13Start Date: 08/13/2015 06:46Analysis Batch Number: 193033End Date: 08/13/2015 10:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-193033/3 CCVIS		08/13/2015 06:46	1		CLP-1 0.53 (mm)
CCV 240-193033/3 CCVIS		08/13/2015 06:46	1	P1300003.D	CLP-2 0.53 (mm)
CCV 240-193033/4		08/13/2015 07:03	1		CLP-1 0.53 (mm)
CCV 240-193033/4		08/13/2015 07:03	1	P1300004.D	CLP-2 0.53 (mm)
CCV 240-193033/5		08/13/2015 07:20	1		CLP-1 0.53 (mm)
CCV 240-193033/5		08/13/2015 07:20	1	P1300005.D	CLP-2 0.53 (mm)
CCV 240-193033/6		08/13/2015 07:37	1		CLP-1 0.53 (mm)
CCV 240-193033/6		08/13/2015 07:37	1	P1300006.D	CLP-2 0.53 (mm)
CCV 240-193033/7		08/13/2015 07:54	1		CLP-1 0.53 (mm)
CCV 240-193033/7		08/13/2015 07:54	1	P1300007.D	CLP-2 0.53 (mm)
ZZZZZ		08/13/2015 08:28	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2015 08:28	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2015 08:45	1		CLP-1 0.53 (mm)
240-54148-1	D-SEEP-080715	08/13/2015 08:45	1	P1300010.D	CLP-2 0.53 (mm)
ZZZZZ		08/13/2015 09:02	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2015 09:02	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2015 09:19	1		CLP-1 0.53 (mm)
240-54177-I-4-B MS		08/13/2015 09:19	1	P1300012.D	CLP-2 0.53 (mm)
ZZZZZ		08/13/2015 09:36	1		CLP-1 0.53 (mm)
240-54177-I-4-C MSD		08/13/2015 09:36	1	P1300013.D	CLP-2 0.53 (mm)
ZZZZZ		08/13/2015 09:53	1		CLP-1 0.53 (mm)
MB 240-192904/5-A		08/13/2015 09:53	1	P1300014.D	CLP-2 0.53 (mm)
ZZZZZ		08/13/2015 10:10	1		CLP-1 0.53 (mm)
LCS 240-192904/6-A		08/13/2015 10:10	1	P1300015.D	CLP-2 0.53 (mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Batch Number: 192904 Batch Start Date: 08/12/15 09:39 Batch Analyst: Earle, SteveBatch Method: 3550C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00017	ex2/.2SURRW 00058		
240-54148-B-1	D-SEEP-080715	3550C, 8082A	T	29.54 g	10 mL		1 mL		
240-54177-I-4 MS		3550C, 8082A	T	29.59 g	10 mL	1 mL	1 mL		
240-54177-I-4 MSD		3550C, 8082A	T	30.45 g	10 mL	1 mL	1 mL		
MB 240-192904/5		3550C, 8082A		30 g	10 mL		1 mL		
LCS 240-192904/6		3550C, 8082A		30 g	10 mL	1 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	2050208
Balance ID	1339912
Na2SO4 Lot Number	2104025
Prep Solvent Lot #	2132146

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-54148-1

SDG No.: _____

Project: MRC Block D Oil Sheen

Client Sample ID
D-SEEP-080715

Lab Sample ID
240-54148-1

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton

Job Number: 240-54148-1

SDG Number: _____

Matrix: Solid

Instrument ID: NOEQUIP

Method: Moisture

RL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-54148-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/10/2015 06:18 End Date: 08/10/2015 11:14

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/10/2015 06:18 End Date: 08/10/2015 11:14

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/10/2015 06:18 End Date: 08/10/2015 11:14

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/10/2015 06:18 End Date: 08/10/2015 11:14

[illegible]

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-54148-1

SDG No.: _____

Batch Number: 192496 Batch Start Date: 08/10/15 06:18 Batch Analyst: Harshman, TomBatch Method: Moisture Batch End Date: 08/11/15 09:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-54103-A-42 DU		Moisture	T	4.2475 g	9.3937 g	8.6907 g			
240-54148-A-1	D-SEEP-080715	Moisture	T	4.2475 g	27.5814 g	22.9766 g			

Batch Notes	
Balance ID	B047 No Unit
Date and Time Samples in Desiccator	8/11/15, 04:35
Date and Time Samples out of Desiccator	8/11/15, 08:50
Date samples were placed in the oven	8/10/15
Oven Temp when samples are put in oven	103.3 / 104.8 Degrees C
Time samples were place in the oven	07:15 / 16:20
Date samples were removed from oven	8/11/15
Oven Temp when samples removed from oven	103.6 Degrees C
Time Samples were removed from oven	04:35
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 1 of 1

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-54148 Chain of Custody

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 54148

Canton Facility

Client <u>T-4 Tech</u>	Site Name _____	Cooler unpacked by: _____
Cooler Received on <u>8/8/15</u>	Opened on <u>8/8/15</u>	
FedEx: 1 st Grd Exp <u>UPS</u> FAS Stetson	Client Drop Off <u>TestAmerica Courier</u>	Other _____
Receipt After-hours: Drop-off Date/Time _____		Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box _____ Other _____Packing material used: Bubble Wrap Foam Plastic Bag None Other _____COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +1.0 °C) Observed Cooler Temp. 0.8 °C Corrected Cooler Temp. 1.8 °C

IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF -1.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

☐ See Multiple Cooler Form

2. Were custody seals on the outside of the cooler(s)?

If Yes Quantity 1 Yes 3 No-Were custody seals on the outside of the cooler(s) signed & dated? Yes 3 No NA-Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes 3 No

3. Shippers' packing slip attached to the cooler(s)?

Yes 3 No

4. Did custody papers accompany the sample(s)?

Yes 3 No

5. Were the custody papers relinquished & signed in the appropriate place?

Yes 3 No

6. Was/were the person(s) who collected the samples clearly identified on the COC?

Yes 3 No

7. Did all bottles arrive in good condition (Unbroken)?

Yes 3 No

8. Could all bottle labels be reconciled with the COC?

Yes 3 No

9. Were correct bottle(s) used for the test(s) indicated?

Yes 3 No

10. Sufficient quantity received to perform indicated analyses?

Yes 3 No

11. Were sample(s) at the correct pH upon receipt?

Yes 3 No NA pH Strip Lot# HC432654

12. Were VOAs on the COC?

Yes 3 No

13. Were air bubbles >6 mm in any VOA vials?

Yes 3 No NA

14. Was a trip blank present in the cooler(s)? Trip Blank Lot # _____

Yes 3 No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____