Appendix I Data Validation Report

(Note—To be provided on disc only)

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U.S. Army Corps of Engineers
Louisville District

Ravenna Army Ammunition Plant
Final Ore Storage Area Sampling, November 2010 to March 2011
Ravenna, Ohio

Data Validation Report
Sample Delivery Groups:
82399, 82424, 82458, 82743, and 83966

August 2012

Prepared for:
U.S. Army Corps of Engineers
Louisville District
Contract No. W912QR-08-D-0001
Delivery Order 0024

Prepared by:
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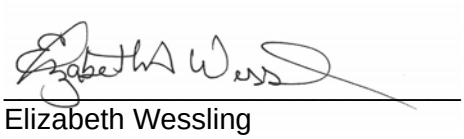
CONTRACTOR STATEMENT OF INDEPENDENT TECHNICAL REVIEW

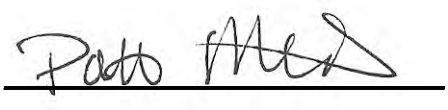
MEC^X, LP (MEC^X) has completed the Data Validation Report for Sample Delivery Groups 82399, 82458, 82743, and 83966 from the Ravenna Army Ammunition Plant Ore Storage Area Sampling, November 2010 to March 2011 in Ravenna, Ohio. Notice is hereby given that an independent technical review has been conducted to determine the usability and bias of the analytical data.

Significant concerns and the resolution are as follows:

None



Elizabeth Wessling
Senior Environmental Chemist
MEC^X Independent Technical Review Team Leader



Patti Meeks, Ph.D.
Senior Environmental Chemist
MEC^X Independent Technical Review Team Member

Executive Summary

The overall objective of the project described in this document was to determine if storage practices at the Ravenna Army Ammunition Plant have adversely affected the site soils.

Samples were collected by the United States Army Corps of Engineers, Louisville District from November 2010 to March 2011. The following analyses were performed for all primary samples by CT Laboratories, Inc. (CT) in Baraboo, Wisconsin with the pesticide analyses being subcontracted to Microbac in Marietta, Ohio:

- United States Environmental Protection Agency (USEPA) SW-846 Method 6010C for 22 metals
- USEPA SW-846 Method 7471A for mercury
- USEPA SW-846 Method 8270C for 67 semivolatile compounds (SVOCs)
- USEPA SW-846 Method 8260B for 37 volatile organic compounds (VOCs)
- USEPA SW-846 Method 8082 for 9 polychlorinated biphenyls (PCBs)
- USEPA SW-846 Method 8330B for 16 explosive compounds
- USEPA SW-846 Method 8330 Modified for nitroguanidine
- USEPA SW-846 Method 9056 Modified for nitrocellulose
- USEPA SW-846 Method 7196A for hexavalent chromium
- USEPA SW-846 Method 8081 for 21 pesticide compounds

This report details the findings of the primary sample data validation, analysis of field duplicate results, and the determination of data usability performed by MEC^X LP (MEC^X) on the samples described above.

A total of 3.5% of the data were rejected for exceeded holding times, sample handling reasons, or laboratory QC criteria outliers. All remaining data is usable for its intended purposes as qualified by MEC^X. Specific concerns regarding the data are noted below:

- False negatives were identified in the pesticide data. When a compound retention time (RT) shift exceeded half of the defined RT window, the laboratory flagged the compound with an "F," only on the quantitation report, and did not report the compound as detected. In these instances, MEC^X qualified the results as false negatives.

- Except for the metals and hexavalent chromium, results for most analytes groups were qualified for missed holding times in numerous samples. For nitroguanidine, the missed extraction holding times exceeded 3× the extraction holding time and resulted in rejection of nondetected data.

- Although required by the Louisville Chemistry Guideline and Facility-Wide quality Assurance Project Plan, no MRL standards were analyzed in association with the organic methods or hexavalent chromium. MRL standards verify the validity of the

method reporting limits and offer additional surety in the laboratory's ability to correctly identify low concentrations of contaminant when there are no detects in site samples.

- The following nondetected results exceeded the applicable criteria for reporting limits, indicating the laboratory could not determine if the contaminant was present at the site above the applicable reporting limits listed in Tables 3-3 through 3-9 of the Facility-Wide Sampling and Analysis Plan for Environmental Investigations at the Ravenna Army Ammunition Plant, Ravenna, Ohio (Science Applications International Corporation, March 2001):

    - VOCs – except for two benzene MDLs, all MDLs exceeded the reporting limit criteria.

    - SVOCs – 56 MDLs, most for PAHs, in eight samples exceeded the reporting limit criteria.

    - Explosives – RLs for a mix of compounds in most samples exceeded the reporting limit criteria.

    - Nitrocellulose – all RLs and MDLs exceeded the reporting limit criteria.

    - Metals – Five MDLs for thallium and selenium exceeded the reporting limit criteria, primarily due to dilutions for matrix interference.

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Acronyms and Abbreviations

ADR	Automated Data Review
CCB	Continuing Calibration Blank
CCC	Calibration Check Compounds
CCV	Continuing Calibration Verification
DoD	Department of Defense
EDD	Electronic Data Deliverable
FWSAP	Facility-Wide Sampling and Analysis Plan
FWQAPP	Facility-Wide Quality Assurance Project Plan
ICSA	Interference Check Sample A
ICSAB	Interference Check Sample AB
ICV	Initial Calibration Verification
ICP	Inductively Coupled Plasma
LCG	Louisville Chemistry Guidance
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MRL	Method Reporting Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MDL	Method Detection Limit
PCB	Polychlorinated Biphenyl
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
RL	Reporting Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
RVAAP	Ravenna Army Ammunition Plant
SAIC	Science Applications International Corporation
SDG	Sample Delivery Group
SPCC	System Performance Check Compound
SVOC	Semivolatile Organic Compounds
USACE	United State Army Corps of Engineers
USEPA	United State Environmental Protection Agency

1. INTRODUCTION

1.1 PROJECT OVERVIEW

The overall objective of the project described in this document was to determine if storage practices at the Ravenna Army Ammunition Plant have adversely affected the site soils. The work was conducted under the following technical memoranda and the Facility-Wide Sampling and Analysis Plan for Environmental Investigations at the Ravenna Army Ammunition Plant [Science Applications International Corporation (SAIC), March 2001]:

- *CC RVAAP-73 Facility-Wide Coal Storage Sites, USACE In-House Sampling, Load Line 3 and Load Line 4 Work Plan Items* [United States Army Corps of Engineers (USACE), November 2009] - which pertains to samples with "DLA" identifications;

- *CC RVAAP-76 Depot Area, USACE In-House Sampling, Building U-10* (USACE, March 2010) - which pertains to samples with "DAA" identifications; and

- *CC RVAAP-79 DLA Ore Storage Sites, USACE In-House Sampling, Group 2 Ore Storage Area Work Plan* (USACE, February 2010) - which pertains to samples with "DL2" identifications.

Results from these investigations are being used to develop the *Engineering Evaluation/Cost Analysis for CC-RVAAP-73 Facility-Wide Coal Storage and CC-RVAAP-79 DLA Ore Storage Sites* (ECC, 2012).

Samples were collected by the United States Army Corps of Engineers (USACE), Louisville District, from November 2010 to March 2011. The following analyses were performed for all primary samples by CT Laboratories, Inc. (CT) in Baraboo, Wisconsin:

- United States Environmental Protection Agency (USEPA) SW-846 Method 6010C for 22 metals
- USEPA SW-846 Method 7471A for mercury
- USEPA SW-846 Method 8270C for 67 semivolatile compounds (SVOCs)
- USEPA SW-846 Method 8260B for 37 volatile organic compounds (VOCs)
- USEPA SW-846 Method 8082 for 9 polychlorinated biphenyls (PCBs)
- USEPA SW-846 Method 8330B for 16 explosive compounds
- USEPA SW-846 Method 8330 Modified for nitroguanidine
- USEPA SW-846 Method 9056 Modified for nitrocellulose
- USEPA SW-846 Method 7196A for hexavalent chromium

CT subcontracted pesticide analyses by USEPA SW-846 Method 8081 to Microbac in Marietta, Ohio. Twenty-one pesticide compounds were reported.

This report describes findings of data validation performed by MEC^X, LP (MEC^X) on the site samples reported in sample delivery groups (SDGs) 82399, 82458, 82743, and 83966 from CT.

1.2 PREVIOUS ACTIVITIES AND DATA

The following summary was adapted from the Facility-Wide Sampling and Analysis Plan for Environmental Investigations at the Ravenna Army Ammunition Plant, Ravenna, Ohio (FWSAP) prepared by Science Applications International Corporation (SAIC), March 2001 and electronic correspondence with the USACE.

Located in northeastern Ohio on approximately 21,000 acres, Ravenna Army Ammunitions Plant (RVAAP) was established in 1940 to load, store, and demilitarize conventional artillery ammunition, bombs, mines, fuses and boosters, primers and percussion elements. Originally RVAAP operated as two separate units, the Portage Ordnance Depot and the Ravenna Ordnance Plant. During World War II, a contractor operated the Ravenna Ordnance Depot and the government operated the Portage Ordnance Depot. Ordnance production and storage for World War II continued until August 1945, at which time the facility was renamed as the Ravenna Arsenal, and the government assumed control of all operations. From 1951 to 1999, the entire facility was operated by contractors. Ordnance production at the facility was phased out and sent to Plum Brook Ordnance Works in Sandusky, Ohio and Keystone Ordnance Works in Meadville, Pennsylvania. All production at the facility had ceased by 1957 and the plant was placed on standby. In 1961, the plant was operational for seven months, processing and performing explosive melt-out of bombs. After deactivation late in 1961, the facility was renamed RVAAP. From mid-1968 until 1971, the plant was reactivated to load, assemble, and pack munitions on three load lines and two component lines. Operations ceased at Load Lines 1, 2, 3, and 4 in 1971; however, the Lines were reactivated to perform demilitarization operations for several months in 1973 and 1974. In 1992, RVAAP was again placed on "Inactive" status. Salvage and demolition operations started in 1998 and administrative control of the facility was transferred to the Ohio Army National Guard in 1999.

Since 1978, approximately 20 environmental condition investigations have been performed at RVAAP. Only a portion of these investigations are discussed below.

In 1989, the USEPA contracted Jacobs Engineering to perform a Resource Conservation and Recovery Act Facility Assessment. Thirty-one solid areas of concern were identified during the assessment, 13 of which were recommended for no further action. In 1996 the USACE performed a facility-wide preliminary assessment and conducted Phase I remedial investigations at 11 areas of concern, including various Load Lines. Load Line salvage and demolition operations were performed in 1998. Demolition of the buildings began in 2001 and soil and dry sediments outside the footprints of the buildings were removed by Shaw Engineering in 2003. Floor slabs at Load lines 1-4 were removed in 2008 and 2009 and the subsurface soils were characterized to a depth of four feet and, subsequently, some soils were excavated.

The soil samples described in this report are from the following RVAAP storage areas.

- Area 2 Ammunition Storage - stockpiles of brass ingots on the ground surface may have impacted the underlying surface soils.

- Depot Administration Area - a former waste oil aboveground storage tank (AST) may have impacted adjacent soils.
- Load Lines 1, 2, 4, and 12 - coal storage areas may have impacted adjacent soils.
- Load Lines 3 and 4 - inert storage areas may have impacted adjacent soils.
- Buildings F-15 and F-16 Areas of Concern - coal storage areas may have impacted adjacent soils.

The analytical results obtained were used to develop the *Engineering Evaluation/Cost Analysis for CC-RVAAP-73 Facility-Wide Coal Storage and CC-RVAAP-79 DLA Ore Storage Sites* (ECC, 2012).

2. DESCRIPTION OF WORK PERFORMED

This section describes the data verification and data validation procedures used during the evaluation of the site samples reported in SDGs 82399, 82458, 82743, and 83966 from CT.

2.1 DATA VALIDATION PROCESS

A total of 47 primary multi-incremental (MI) samples, 7 MI field duplicate samples, 6 discrete soil samples and 2 discrete soil field duplicate samples were collected in association with the field effort. Level IV validation was performed on 10% of the total number of primary samples collected, and Level III validation was performed on the remaining samples. Primary samples with associated QA samples were randomly chosen for Level IV validation (shown in **bold** in the table below).

Table 1. Validated sample identification table

Sample	SDG	Collected	Metals	Hexavalent Chromium	PCB	Pesticides	SVOC	Explosives Propellants	VOCs
DL2SS-001M-0001-SO	83966	3/8/2011	**x**	**x**	**x**	**x**	**x**	**x**	-
DL2SS-001M-0002-SO	83966	3/8/2011	x	x	x	x	x	x	-
DL2SS-002M-0001-SO	83966	3/8/2011	x	x	-	-	-	-	-
DL2SS-003M-0001-SO	83966	3/8/2011	x	x	-	-	-	-	-
DL2SS-004M-0001-SO	83966	3/8/2011	x	x	-	-	-	-	-
DL2SS-005M-0001-SO	83966	3/8/2011	x	x	-	-	-	-	-
DL2SS-006-0001-SO	83966	3/8/2011	-	-	-	-	-	-	**x**
DL2SS-006-0002-SO	83966	3/8/2011	-	-	-	-	-	-	x
DLASS-010-0001-SO	82399	11/9/2010	x	x	-	-	-	-	-
DLASS-019-0001-SO	82399	11/9/2010	x	x	-	-	-	-	-
DLASS-009-0001-SO	82399	11/9/2010	x	x	-	-	-	-	-
DLASS-024-0001-SO	82399	11/9/2010	x	x	-	-	-	-	-
DLASS-004-0001-SO	82399	11/9/2010	x	x	-	-	-	-	-
DLASS-027-0001-SO	82424	11/10/2010	x	x	-	-	-	-	-
DLASS-002-0001-SO	82424	11/10/2010	**x**	**x**	x	x	x	x	-
DLASS-002-0003-SO	82424	11/10/2010	x	x	x	x	x	x	-
DLASS-018-0001-SO	82424	11/10/2010	x	x	-	-	-	-	-
DLASS-001-0001-SO	82424	11/10/2010	x	x	-	-	-	-	-
DLASS-016-0001-SO	82424	11/10/2010	x	x	-	-	-	-	-
DLASS-017-0001-SO	82424	11/10/2010	x	x	-	-	-	-	-
DLASS-022-0001-SO	82424	11/9/2010	**x**	**x**	x	x	x	x	-
DLASS-022-0003-SO	82424	11/9/2010	x	x	x	x	x	x	-
DLASS-008-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-021-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-005-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-

Sample	SDG	Collected	Metals	Hexavalent Chromium	PCB	Pesticides	SVOC	Explosives Propellants	VOCs
DLASS-014-0001-SO	82424	11/9/2010	**x**	**x**	**x**	**x**	**x**	**x**	-
DLASS-014-0003-SO	82424	11/9/2010	x	x	x	x	x	x	-
DLASS-011-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-030-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-026-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-029-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-007-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-020-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-028-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-012-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-025-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-006-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-013-0001-SO	82424	11/9/2010	x	x	-	-	-	-	-
DLASS-032-0001-SO	82458	11/11/2010	x	x	x	x	x	x	-
DLASS-032-0003-SO	82458	11/11/2010	x	x	x	x	x	x	-
DLASS-042-0001-SO	82458	11/11/2010	**x**	**x**	x	x	x	x	-
DLASS-042-0003-SO	82458	11/11/2010	x	x	x	x	x	x	-
DLASS-035-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DLASS-036-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DLASS-031-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DLASS-039-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DLASS-037-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DLASS-034-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DLASS-038-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DLASS-044-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DLASS-041-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DLASS-040-0001-SO	82458	11/11/2010	x	x	-	-	-	-	-
DAASS-043-0001-SO	82743	12/2/2010	x	x	-	-	-	-	-
DAASS-042-0001-SO	82743	12/2/2010	x	x	-	-	-	-	-
DAASS-041-0001-SO	82743	12/2/2010	x	x	x	x	x	x	-
DAASS-040-0001-SO	82743	12/2/2010	**x**	**x**	x	x	x	x	-
DLASS-033-0001-SO	82743	12/2/2010	-	-	-	-	-	-	x
DLASS-043-0001-SO	82743	12/2/2010	-	-	-	-	-	-	x
DLASS-003-0001-SO	82743	12/2/2010	-	-	-	-	-	-	x
DLASS-003-0002-SO	82743	12/2/2010	-	-	-	-	-	-	x
DLASS-023-0001-SO	82743	12/2/2010	-	-	-	-	-	-	x
DLASS-015-0001-SO	82743	12/2/2010	-	-	-	-	-	-	x
Total analyses			**54**	**54**	**14**	**14**	**14**	**14**	**8**

Analyses listed in **bold** were validated at Level IV.

Table 2. Field duplicate identification table

Parent Sample	Duplicate Sample
DL2SS-001M-0001-SO	DL2SS-001M-0002-SO
DL2SS-006-0001-SO	DL2SS-006-0002-SO
DLASS-002-0001-SO	DLASS-002-0003-SO
DLASS-022-0001-SO	DLASS-022-0003-SO
DLASS-014-0001-SO	DLASS-014-0003-SO
DLASS-042-0001-SO	DLASS-042-0003-SO
DLASS-032-0001-SO	DLASS-032-0003-SO
DLASS-003-0001-SO	DLASS-003-0002-SO

Data validators assessed results based on the *Quality Assurance Project Plan for Environmental Investigations at the Ravenna Army Ammunition Plans, Ravenna, Ohio* [SAIC, March 2001 (FWQAPP)], *Louisville Chemistry Guideline Version 5* (LCG), *Department of Defense Quality Systems Manual for Environmental Laboratories Version 3* (DoD QSM), the specific EPA methods, the National Functional Guidelines for Organic Data Review (1994), and the National Functional Guidelines for Inorganic Data Review (1994). The following were reviewed for Level IV validation:

- Sample management (collection techniques, sample containers, preservation, handling, transport, chain-of-custody, holding times),
- Calibration data summary forms (initial and continuing),
- Blank sample results (method, initial and calibration),
- Laboratory control sample (LCS) or LCS/LCS duplicate (LCS/LCSD) recoveries and/or precision,
- Surrogate recoveries,
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries and precision,
- Field QA/QC sample results (trip blanks, equipment rinsates, field blanks),
- Interference check sample recoveries,
- Serial dilution results percent differences (%Ds),
- Gas Chromatography/Mass Spectrometry (GC/MS) tuning, if a GC/MS is used,
- Internal standards performance,
- Sample results verification,
- Target compound identification,
- Raw data.

The specific items reviewed during Level III data validation are:

- Sample management (collection techniques, sample containers, preservation, handling, transport, chain-of-custody, holding times),
- Calibration data summary forms (initial and continuing),
- Method blank sample results,
- Laboratory control sample (LCS) or LCS/LCS duplicate (LCS/LCSD) recoveries and/or precision,
- Surrogate recoveries (if applicable),

- Matrix spike/matrix spike duplicate (MS/MSD) recoveries and precision,
- Field QA/QC sample results,
- Other QC indicators as applicable,
- Gas Chromatography/Mass Spectrometry (GC/MS) tuning, if a GC/MS is used,
- Internal standards performance.

2.2 DATA VALIDATION QUALIFIERS

Data qualifiers, as defined below, were applied following the FWQAPP, DoD QSM and the LCG:

U Nondetected at the limit of detection
The analyte was analyzed for but not definitively detected.

J Estimated
The identification of the analyte is acceptable but the quality assurance criteria indicate that the quantitative values may be outside the normal expected range of precision. Additionally used to identify detects reported below the reporting limit.

N Identity Presumptive and Tentative
There is presumptive evidence that the analyte is present but it has not been confirmed. There is an indication that the reported analyte is present; however, all quality control requirements necessary for confirmation were not met.

R Rejected
Data are considered to be rejected and shall not be used for environmental decisions.

2.3 DATA VALIDATION FLAGGING CODES

The qualification codes in the following table may have been used to flag the data described in this document: Sample qualifications are summarized in Appendix B. All qualifications and associated qualification codes have been entered into the electronic data deliverables (EDD) received from the laboratories.

Table 3. Qualification code reference table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient was noncompliant.
R	Calibration RRF was noncompliant.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable	Duplicates showed poor agreement.
I	Internal standard performance was	ICP ICS results were unsatisfactory.

Qualifier	Organics	Inorganics
	unsatisfactory.	
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	ICPMS tuning was noncompliant
T	Presumed contamination as indicated by the trip blank results.	Not applicable.
+	False positive – reported compound was not present.	False positive – reported compound was not present.
-	False negative – compound was present but not reported.	False negative – compound was present but not reported.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*II, *III	A deficiency was found that has been described in the "Sample Management," section (*II) or the "Method Analyses" section (*III).	A deficiency was found that has been described in the "Sample Management," section (*II) or the "Method Analyses" section (*III).

3. DATA ACQUISITION ACTIVITIES

3.1 SAMPLE COLLECTION

A total of 47 primary MI samples, 7 MI field duplicate samples, 6 discrete soil samples and 2 discrete soil field duplicate samples were collected in November and December 2010, and March 2011. The samples were submitted under chain of custody to the primary laboratory, CT.

Unless otherwise noted below, the chains of custody were appropriately signed by both field and/or laboratory personnel with all samples and analyses accounted for, cooler custody seals intact, and within the temperature limits of 4±2°C. All documentation regarding sample handling as presented in the case narratives, chains of custody, correspondence, and sample condition upon receipt forms was evaluated with the following remaining deficiencies. No further requests were made to the primary contractor or the laboratories, and no data were qualified.

SDG	Issue
82399	Two coolers associated with the samples were received below the temperature limit at 1.8°C; however, the samples were not noted to be frozen or damaged.
82458	One cooler associated with the samples was received below the temperature limit at 0.3°C; however, the samples were not noted to be frozen or damaged.
82743	One cooler associated with the samples was received below the temperature limit at 1.9°C; however, the samples were not noted to be frozen or damaged.
82743	The IDs listed on the chain-of-custody for samples ASTU5-VOC-B, ASTU5-VOC-S, ASTU5-MI-B, and ASTU5-MI-S were changed to DAASS-0043-001-SO, DAASS-0042-0001-SO, DAASS-0041-0001-SO, and DAASS-0040-0001-SO, as per an email from D. Kinder.
82743	**Due to dirty vial threads, the methanol preservative leaked out of the vial for ASTU5-VOC-S (DAASS-0042-0001-SO). The sample was preserved and analyzed within seven days of collection. See below for the associated qualifications.**
83966	One cooler associated with the samples was received below the temperature limit at 1.8°C; however, the samples were not noted to be frozen or damaged.
83966	A few entries on one chain-of-custody were corrected by the sampler by overwriting or obliterating rather than a single cross-out. The corrections were not initialed or dated.

All nondetected VOC results for sample DAASS-0042-0001-SO were rejected, "R," as the loss of the methanol preservative may have also caused a loss of target compounds. Detected results in this sample were qualified as estimated with a potential low bias, "J-".

3.2 SAMPLE ANALYSIS

CT, the primary laboratory, analyzed a total of 54 primary and 8 field duplicate soil samples by one or more of the following:

- USEPA SW-846 Methods 6010B and 6020 for 22 metals,
- USEPA SW-846 Method 7471A for mercury,
- USEPA SW-846 Method 8270C for 67 SVOCs,
- USEPA SW-846 Method 8260B for 37 VOCs,

- USEPA SW-846 Method 8082 for 9 PCBs,
- USEPA SW-846 Method 8330B for 16 explosives,
- USEPA SW-846 Method 8330 for nitroguanidine,
- USEPA SW-846 Method 9060 for nitrocellulose, and
- USEPA Method 7196A for hexavalent chromium.
- CT subcontracted the pesticide analyses to Microbac and Microbac analyzed by USEPA SW-846 Method 8081A for 21 pesticides.

3.3 DATA COMPLETENESS

Data completeness for the project described in this report was found to be generally acceptable as no deliverables were missing.

3.4 METHOD REQUIREMENTS

All method preservation requirements were met.

3.5 HOLDING TIME REQUIREMENTS

The soil extraction and analytical holding times for the analyses as defined in FWQAPP Table 4-1 and LCG Appendix D are as follows:

Analysis	Analytical Method	Preparation Method	Extraction Holding Time	Analysis Holding Time
Metals	6010B	3050	N/A	180 days
Mercury	7471A	7471A	N/A	28 days
SVOCs	8270C	3545	14 days	40 days
VOCs	8260B	5030	N/A	14 days
PCBs	8082	3550B	14 days	40 days
Pesticides	8081A	3550B	14 days	40 days
Explosives	8330B	8330B	14 days	40 days
Nitroguanidine	8330	8330	14 days	40 days
Nitrocellulose	9056M	9056	14 days	40 days
Hexavalent chromium	7196A	3060A	28 days	7 days

Except as noted below, all extraction and analytical holding times were met.

- All explosives and nitroguanidine results in all SDGs were extracted beyond the 14-day holding time but within 42 days (3× the holding time); therefore, unless otherwise rejected, all nondetected explosive and nitroguanidine results were qualified as estimated, “UJ.” In the absence of qualifications with conflicting bias, detected results were qualified as estimated with a low bias, “J-.” All qualified results were coded with an “H” qualification code.

- All pesticide results in SDGs 82399 and 82458 were extracted beyond the 14-day holding time, but within 42 days (3× the holding time); therefore, all nondetected pesticide results in these SDGs were qualified as estimated, “UJ.” In the absence of

qualifications with conflicting bias, detected results were qualified as estimated with a low bias, "J-." All qualified results were coded with an "H" qualification code.

- PCB results for samples DLASS-002-001-SO, DLASS-002-0003-SO, DLASS-022-0001-SO, and DLASS022-0003-SO in SDG 82399 were extracted beyond the 14-day holding time, but within 42 days (3× the holding time); therefore, all nondetected PCB results in these samples were qualified as estimated, "UJ," and coded with an "H" qualification code.

- SVOC results for samples DLASS-002-001-SO, DLASS-002-0003-SO, DLASS-022-0001-SO, and DLASS022-0003-SO in SDG 82399 were extracted beyond the 14-day holding time, but within 42 days (3× the holding time); therefore, all nondetected SVOC results in these samples were qualified as estimated, "UJ." In the absence of qualifications with conflicting bias, detected results were qualified as estimated with a low bias, "J-." All qualified results were coded with an "H" qualification code.

- Mercury for samples DLASS-004-0001-SO, DLASS-006-0001-SO, DLASS-007-0001-SO, DLASS-008-0001-SO, DLASS-009-0001-SO, DLASS-010-001-SO, DLASS-012-0001-SO, DLASS-013-0001-SO, DLASS-019-0001-SO, DLASS-020-0001-SO, DLASS-021-0001-SO, DLASS-022-0001-SO, DLASS-022-0003-SO, DLASS-024-0001-SO, DLASS-028-0001-SO, and DLASS-029-0001-SO in SDG 82399 were analyzed beyond the 28-day holding time, but within 84 days (3× the holding time). Nondetected mercury results in these samples were qualified as estimated, "UJ." In the absence of qualifications with conflicting bias, detected results were qualified as estimated with a low bias, "J-." All qualified results were coded with an "H" qualification code.

- Nitrocellulose in samples DLASS-014-0001-SO, DLASS-014-0003-SO, DLASS022-0001-SO, and DLASS-022-0003-SO in SDG 82399 were extracted beyond the 14-day holding time listed in the FWQAPP and one day beyond the 28-day holding time for nitrate/nitrite; therefore, the nitrocellulose results for these samples (all nondetects) were qualified as estimated, "UJ." Nitrocellulose in samples DLASS-002-0001-SO and DLASS-002-0003-SO in SDG 82399 and all samples in SDG 82458 were prepared beyond the 14-day holding time listed in the FWQAPP but were extracted within the 28-day holding time for nitrate/nitrite; therefore, no qualifications were required.

3.6 DETECTION LIMIT REQUIREMENTS

Reporting limits (RLs) for nondetected contaminants of concern were compared to the criteria listed in Tables 3.3 through 3.9 of the FWQAPP and Appendix A of the QAPP Addendum. These retained nondetected results exceeded the applicable criteria:

- VOCs – except for two benzene MDLs, all MDLs and RLs exceeded the reporting limit criteria.

- SVOCs – most RLs exceeded the control limits. Some MDLs for polyaromatic hydrocarbons (PAHS) in eight samples exceeded the reporting limit criteria.

- Pesticides – all RLs in DL2SS-001M-0001-SO, DL2SS-001M-0002-SO, DLASS-022-0001-SO, DLASS-022-0003-SO, and DLASS-002-0001-SO exceeded the reporting limit criteria.
- PCBs – all RLs exceeded the reporting limit criteria.
- Explosives – RLs for a mix of compounds in most samples exceeded the reporting limit reporting limit criteria.
- Nitrocellulose – all RLs and MDLs exceeded the reporting limit criteria
- Metals – most antimony, selenium, and thallium RLs exceeded the reporting limit criteria. A few MDLs for thallium and selenium exceeded the reporting limit criteria.

The following compounds did not have RL criteria but were reported by the laboratory:

- VOCs – cis-1,2-dichloroethene, trans-1,2-dichloroethene, o-xylene, m,p-xylene
- SVOCs – acetophenone
- PCBs – Aroclor-1262 and Aroclor-1268
- Hexavalent chromium

Results with RLs that exceeded the criteria but had acceptable MDLs should not be considered outliers, as the laboratory was able to detect these compounds at the required concentrations.

4. DATA QUALITY EVALUATION

This section summarizes the data quality of validated samples for each analytical method evaluated.

4.1 EXPLOSIVES

Six primary and six field duplicate soil samples were analyzed by CT for 16 explosive compounds by USEPA SW-846 Method 8330B and nitroguanidine by USEPA SW-846 Method 8330.

- MDL studies were not evaluated as part of this project.
- Calibration
    - Initial calibration linear regression r values were ≥0.990.
    - The second source initial calibration verification standard (ICV) recoveries for both the primary and confirmation calibrations were within the control limits listed in LCG Table 5 of 85-115%.
    - Except as noted below, the continuing calibration verification (CCV) standard %Ds were within the control limits listed in LCG Table 5 of ≤15%. Results listed in the table below were qualified as estimated, "UJ," and coded with a "C" qualification code.

Samples qualified for CCV %D outliers		
Analyte	**Primary Column %D**	**Affected Samples**
4-Amino-2,6-dinitrotoluene	-17.2%	DLASS-002-0001-SO, DLASS-014-0001-SO, DLASS-014-0003-SO, DLASS-022-0001-SO, DLASS-032-0001-SO, DLASS-032-0003-SO, DLASS-042-0001-SO, DLASS-042-0003-SO, DL2SS-001M-0001-SO, DL2SS-001M-0002-SO

    - Method reporting limit (MRL) standards are required by the LCG and a standard of 3× the MDL is required by the FWQAPP. No MRL standards were analyzed in association with the samples in these SDGs; therefore, all results were qualified as estimated, "UJ," for nondetects and, "J," for detects, unless otherwise rejected. All qualified samples were coded with a "C" qualification code.
    - No MDL check standard was analyzed.
- Blanks: There were no target compound detects above the control limits listed in LCG Table 5, of one-half the reporting limit for target compounds.
- Blank Spikes and Laboratory Control Samples: Recoveries were within the control limits listed in FWQAPP Table 3-1 of 40-140%.

- Surrogate Recovery: The surrogate recoveries were within the control limits listed in LCG Table 5 of 50-150%.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on DLASS-002-0001-SO and DL2SS-001M-0001-SO for all analytes. The recoveries and RPDs were within the control limits listed in FWQAPP Table 3-1 of 40-140% and 35%, respectively.

- Compound Identification: Compound identification was verified for the samples validated at a Level IV. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at a Level IV. The reporting limits were supported by the low point of the initial calibration and the laboratory MDLs. Any result reported between the MDL and the reporting limit was qualified as estimated, "J."

- All nitroguanidine detects had intercolumn %Ds exceeding the control limit listed in LCG Table 5 of ≤ 40%; therefore, nitroguanidine detected in the samples was qualified as estimated, "J."

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: All manual integrations reviewed at Level IV were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: There were no field QC samples associated with the project samples.

    - Field Duplicates: Six field duplicate pairs were collected and analyzed for explosive compounds. Except as noted below, RPDs were within the control limits. The control limit listed in FWQAPP Table 3-1 is ≤50%. The RPD is applicable only when the sample results are ≥5× the reporting limit. For results <5× the reporting limit, a control limit of ± the reporting limit is used. See Appendix C for comparisons of all samples and analytes.

Table 4. Explosives field duplicate comparison

Primary Sample	Duplicate Sample	Analyte	RPD
DLASS-032-0001-SO	DLASS-032-0003-SO	Nitroguanidine	N/A
DLASS-002-0001-SO	DLASS-002-0003-SO	Nitroguanidine	N/A

N/A indicates that the ±reporting limit control limit was used but not met.

4.2 PESTICIDES

Eight primary soil samples and six field duplicate soil samples collected were subcontracted by CT to Microbac and analyzed for 21 pesticides by USEPA SW-846 Method 8081.

- MDL studies were not evaluated as part of this project.

- Calibration: Calibration criteria were met. Initial calibration percent relative standard deviations (%RSDs) were within the control limits listed in LCG Table 4 of ≤20%, or the linear regression r-values were ≥0.990.

  The second source initial calibration verification standard (ICV) recoveries were within the control limits listed in LCG Table 4 of 85-115%.

  - The DDT/Endrin breakdown standards were within the control limits listed in LCG Table 4 of ≤15%.

  - Except as noted below, the continuing calibration verification (CCV) standard %Ds affecting sample data were within the control limits listed in LCG Table 4 of ≤15%. Results noted in the table below were qualified as estimated, "J," and were coded with a "C" qualification code. In the absence of qualifications with conflicting bias, detected results were qualified as estimated with a high bias, "J+." Nondetected results were not qualified for positive %D outliers.

Samples qualified for CCV %D outliers			
Analyte	**Primary Column %D**	**Confirmation Column %D**	**Affected Samples**
Endosulfan sulfate	23.5%	28.5%	DAASS-040-0001-SO, DAASS-041-0001-SO

  - MRL standards are required by the LCG and a standard of 3× the MDL is required by the FWQAPP. No MRL standards were analyzed in association with the samples in these SDGs; therefore, all retained results were qualified as estimated, "UJ," for nondetects and, "J," for detects. All qualified results were coded with a "C" qualification code.

  - No MDL check standard was analyzed.

- Blanks: The method blanks had no target compound detects above the control limits listed in LCG Table 4, of one-half the reporting limit or one-tenth the amount detected in a site sample.

- Blank Spikes and Laboratory Control Samples: Recoveries were within the control limits listed in FWQAPP Table 3-1 of 40-140%.

- Surrogate Recovery: Recoveries were within the control limits listed in LCG Table 4 of 50-150%.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on DLASS-032-0001-SO. Except as noted in the table below, the recoveries and RPDs were within the control limits listed in FWQAPP Table 3-1 of 40-140% and ≤35%, respectively. As the average recovery was less than 30%, the result noted in the table below was rejected, "R," and coded with a "Q" qualification code.

Samples qualified for MS/MSD %R outliers			
Analyte	**MS %R**	**MSD %R**	**Affected Samples**
Endrin aldehyde	30.7%	24.7%	DLASS-032-0001-SO

- Compound Identification: Compound identification was verified for the samples validated at Level IV. The laboratory did not report endrin ketone for samples DL2SS-001M-0001-SO and DL2SS-001M-0002-SO. As the instrument was calibrated for this analyte, the reviewer added the nondetected results for this analyte to the electronic data deliverable (EDD).

  When a compound retention time (RT) shift exceeded half of the defined RT window, the laboratory flagged the compound with an "F," only on the quantitation report, and did not report the compound as detected. These false negatives, noted in the table below, were reported as detects by the reviewer and were coded with "-" and "$" qualification codes. When no interference was present, as per the LCG Section 4.10, the higher of the two columns was reported. Although not all samples were validated at Level IV, the reviewer checked the raw data for all samples in order to report any false negatives.

Sample results qualified as false negatives	
Sample	**Analyte(s)**
DLASS-014-0001-SO	Endosulfan I
DLASSS-002-0001-SO	Gamma-chlordane, endosulfan I, 4,4'-DDT
DLASS-022-0001-SO	Aldrin , 4,4'-DDE, 4,4'-DDD
DLASS-022-0003-SO	Aldrin, 4,4'-DDD
DLASS-002-0003-SO	Gamma-BHC
DLASS-032-0003-SO	Gamma-chlordane
DAASS-041-0001-SO	Heptachlor, endrin
DAASS-040-0001-SO	Heptachlor, dieldrin

The intercolumn %D comparison exceeded 100% for the results listed in the table below. These results were qualified as tentatively identified, "N," and were coded with a "*III" qualification code.

Results qualified as tentatively identified		
Sample	**Analyte**	**Intercolumn %D**
DLASS-022-0003-SO	Aldrin 4,4'-DDD	117% 101%
DLASS-002-0003-SO	Gamma-BHC	168%
DLASS-032-0003-SO	Gamma-chlordane	122%

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at a Level IV. The reporting limits were supported by the low point of the initial calibration and the laboratory MDLs. Any result reported between the MDL and the reporting limit was qualified as estimated, "J."

  The samples were analyzed on two analytical columns for target compound confirmation. Except as noted in the table below, intercolumn RPDs were within the control limit listed in LCG Table 4 of ≤40%. Results noted in the table below were qualified as estimated, "J," and coded with "*III" qualification code.

Results qualified for intercolumn RPDs >40%		
Sample	**Analyte**	**Intercolumn RPD**
DLASSS-002-0001-SO	Gamma-chlordane 4,4'-DDT	50.7% 50.7%
DLASS-022-0001-SO	Aldrin 4,4'-DDE	61.5% 58.4%
DLASS-022-0003-SO	Aldrin 4,4'-DDD	117% 101%
DLASS-002-0003-SO	Gamma-BHC	168%
DLASS-032-0003-SO	Gamma-chlordane	122%
DAASS-041-0001-SO	Heptachlor	50.7%
DAASS-040-0001-SO	Heptachlor Dieldrin	80.3% 95.3%

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: No manual integrations were performed in the samples validated at Level IV or the associated calibrations.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There were no field QC samples associated with the samples in these SDGs.

  - Field Duplicate Samples: Six field duplicate pairs were collected and analyzed for pesticides. The RPDs were within the control limits in FWQAPP Table 3-1 of ≤50%. The RPD criterion was only applied when both sample results were ≥5× the reporting limit. In cases where results were <5× the reporting limit, the reasonable control limit of ± the reporting limit was applied. See Appendix C for comparisons of all samples and analytes.

4.3 POLYCHLORINATED BIPHENYLS (PCBS)

Eight primary and six field duplicate soil samples were analyzed by CT for nine PCBs by USEPA SW-846 Method 8082.

- MDL studies were not evaluated as part of this project.
- Calibration: Calibration criteria were met.
    - Initial calibration %RSDs were ≤20%.
    - The second source initial calibration verification standard (ICV) was within the control limits listed in LCG Table 3 of 85-115%.
    - The continuing calibration verification (CCV) standard %Ds were within the control limits listed in LCG Table 3 of ≤15%. Nondetected results were not qualified for positive %D outliers.
    - MRL standards are required by the LCG and a standard of 3× the MDL is required by the FWQAPP. No MRL standards were analyzed in association with the samples in these SDGs; therefore, all results were qualified as estimated, "UJ," for nondetects or "J," for detects. All qualified results were coded with a "C" qualification code.
    - No MDL checks standards were analyzed in association with the samples in these SDGs.
- Blanks: The method blanks had no target compound detects above the control limits listed in LCG Table 3, of one-half the reporting limit for target compounds.
- Blank Spikes and Laboratory Control Samples: LCS recoveries were within the control limits listed in FWQAPP Table 3.1 of 40-140%.
- Surrogate Recovery: The surrogate recoveries were within the control limits listed in LCG Table 3 of 50-150%.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on DLASS-002-0001-SO, DLASS-014-0001-SO, and DL2SS001M-0001-SO. MS/MSD recoveries and RPDs were within the control limits listed in FWQAPP Table 3.1 of 40-140% and ≤35%, respectively.
- Compound Identification: As there were no reported sample detects, compound identification was verified for LCS and MS/MSD samples associated with those samples validated at Level IV. Review of the sample chromatograms, standards, and retention times indicated no problems with target compound identification.
- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the sample validated at a Level IV. The reporting limits were supported by the

low point of the initial calibration and the laboratory MDLs. Any result reported between the MDL and the reporting limit was qualified as estimated, "J."

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: No manual integrations were performed in the samples validated at Level IV or the associated calibrations.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: There were no field QC samples associated with the samples in these SDGs.

    - Field Duplicates: Six field duplicate pairs were collected and analyzed for PCBs. The RPDs were within the control limit listed in FWQAPP Table 3-1 is ≤50%. The RPD is applicable only when the sample results are ≥5× the reporting limit. For results <5×, a control limit of ± the reporting limit is used. See Appendix C for comparisons of all samples and analytes.

4.4 SEMIVOLATILE ORGANIC COMPOUNDS (SVOCS)

Eight primary soil samples and six field duplicates were analyzed by CT for 67 SVOCs by USEPA Method 8270C.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The DFTPP tunes met the method abundance criteria. The samples were analyzed within 12 hours of the DFTPP injection time.

- Calibration: Calibration criteria affecting sample results were met.

    - Initial calibration average RRFs and ICV and CCV RRFs were within method control limits of ≥0.050 for system performance check compounds (SPCCs). All initial calibration %RSDs were within the method control limits listed in the LCG Table 2, of ≤30% for calibration check compounds (CCCs) and ≤15% for remaining compounds, or linear regression r values ≥0.995.

    - All second source initial calibration verification standard recoveries were within the control limits listed in the LCG Table 2 of 70-130%.

    - The continuing calibration %Ds affecting sample data were within the method control limits of ≤20% listed in the LCG Table 2. Nondetected results were not qualified for positive %D outliers.

- MRL standards are required by the LCG and a standard of 3× the MDL is required by the FWQAPP. No MRL standards were analyzed in association with the samples in these SDGs; therefore, all results were qualified as estimated, "UJ," for nondetects and, "J," for detects, unless otherwise rejected. Detected results greater than 10× the reporting limit were not qualified as it was the reviewer's opinion that the CCV verified those results. All qualified results were coded with a "C" qualification code.

- No MDL checks standards were analyzed in association with the samples in these SDGs.

- Blanks: The method blanks had no target compound detects above the control limits listed in the LCG Table 2 of one-half the reporting limit for target compounds, and no common laboratory contaminants above the reporting limit.

- Blank Spikes and Laboratory Control Samples: Except as noted below, the LCS recoveries were within the control limits listed in the FWQAPP Table 3-1 of 45-135%. Retained results listed in the table below, nondetected results recovered below 30% were rejected, nondetected results recovered above 30% were qualified as estimated, "UJ," and detected results were qualified as estimated, "J." All qualified results were coded with an "L" qualification code. In the absence of qualifications with conflicting bias, detected results were qualified as estimated with a low bias, "J-."

Samples qualified for LCS %R outliers		
Analyte	**%R**	**Affected Samples**
4-Chloroaniline	28%	DLASS-014-0001-SO, DLASS-014-0003-SO
Benzoic acid	30%	DLASS-014-0001-SO, DLASS-014-0003-SO
Pentachlorophenol	40%	DLASS-014-0001-SO, DLASS-014-0003-SO
2,4-Dinitrophenol	23%	DLASS-002-0001-SO, DLASS-002-0003-SO, DLASS-022-0001-SO, DLASS-022-0003-SO
4-Chloroaniline	32%	DLASS-002-0001-SO, DLASS-002-0003-SO, DLASS-022-0001-SO, DLASS-022-0003-SO
Benzoic acid	17%	DLASS-002-0001-SO, DLASS-002-0003-SO, DLASS-022-0001-SO, DLASS-022-0003-SO
4-Chloroaniline	28%	DLASS-032-0001-SO, DLASS-032-0003-SO, DLASS-042-0001-SO, DLASS-042-0003-SO
Benzoic acid	30%	DLASS-032-0001-SO, DLASS-032-0003-SO, DLASS-042-0001-SO, DLASS-042-0003-SO
Pentachlorophenol	40%	DLASS-032-0001-SO, DLASS-032-0003-SO, DLASS-042-0001-SO, DLASS-042-0003-SO
4-Chloroaniline	39%	DAASS-040-0001-SO, DAASS-041-0001-SO
Benzoic acid	21%	DAASS-040-0001-SO, DAASS-041-0001-SO
4-Chloroaniline	37%	DL2SS-001M-0001-SO, DL2SS-001M-0002-SO
Benzoic acid	40%	DL2SS-001M-0001-SO, DL2SS-001M-0002-SO

Analytes listed in **bold** indicate rejected nondetect results.

- Surrogate Recovery: Surrogate recoveries affecting sample results were within the control limits of 50-150% listed in the LCG Table 2. Results were not qualified unless two or more surrogates for a fraction were recovered outside the control limits.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on DLASS-002-0001-SO, DLASS-014-0001-SO, and DL2SS-001M-0001-SO. Except as noted below, the recoveries and RPDs were within the control limits listed in the FWQAPP Table 3-1 of 45-135% and ≤35%, respectively.

  For results listed in the table below, nondetected results recovered below 30% were rejected. Unless otherwise rejected, nondetected results recovered above 30% were qualified as estimated, "UJ," and detected results were qualified as estimated, "J." All qualified results were coded with a "Q" qualification code. In the absence of qualifications with conflicting bias, detected results were qualified as estimated with a low bias, "J-."

Samples qualified for MS/MSD %R outliers			
Analyte	**MS %R**	**MSD %R**	**Affected Samples**
2,4-Dimethylphenol	32%	25%	DLASS-002-0001-SO
2,4-Dinitrophenol	14%	12%	
3,3'-Dichlorobenzidine	0%	0%	
3-Nitroaniline	21%	21%	
4,6-Dinitro-2-methylphenol	5%	3%	
4-Chloroaniline	4%	3%	
Benzoic acid	3%	1%	
Hexachlorocylcopentadiene	20%	14%	
Pentachlorophenol	25%	26%	
2,4-Dinitrophenol	18%	16%	DLASS-014-0001-SO
3,3'-Dichlorobenzidine	0%	0%	
3-Nitroaniline	12%	15%	
4-Chloroaniline	1%	2%	
4-Nitroaniline	26%	33%	
Benzoic acid	0%	0%	
Hexachlorocylcopentadiene	39%	39%	
2,4-Dimethylphenol	35	27	DL2SS-0001M-0001-SO
2,4-Dinitrophenol	0	0	
3,3'-Dichlorobenzidine	0	0	
3-Nitroaniline	28	23	
4,6-Dinitro-2-methylphenol	24	30	
4-Chloroaniline	10	7	
4-Nitroaniline	41	38	
Benzoic acid	0	0	
Pentachlorophenol	30	35	

Analytes listed in **bold** indicate rejected nondetect results.

- Internal Standards Performance: The internal standard area counts and retention times were within the LCG Table 2 control limits established by the midpoint initial calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatogram, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the sample validated at a Level IV. The reporting limits were supported by the

low point of the initial calibration and the laboratory MDLs. Any result reported between the MDL and the reporting limit was qualified as estimated, "J," by the laboratory.

In order to report several target compounds within the linear range of the calibration, some analytes were reported from 10× dilutions for DAASS-040-0001-SO and DAASS-041-0001-SO.

2,4-Dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both 8270C and 8330B. As the reporting limits for the 8330B analyses were significantly lower, the reviewer rejected, "R," the 8270C results in favor of the 8330B results. There rejected results were coded with a "D" qualification code.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integration: No manual integrations were performed in the samples validated at Level IV or the associated calibrations.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There were no field QC samples associated with the samples in these SDGs.

  - Field Duplicate Samples: Six field duplicate pairs were collected and analyzed for SVOCs. RPDs were within the control limits. The control limit listed in FWQAPP Table 3-1 is ≤50%. The RPD is applicable only when the sample results are ≥5× the reporting limit. For results <5× the reporting limit, a control limit of ± the reporting limit was used. See Appendix C for comparisons of all samples and analytes.

Table 5. Semivolatile field duplicate comparisons

Primary Sample	Duplicate Sample	Analyte	RPD
DLASS-002-0001-SO	DLASS-002-0003-SO	Fluoranthene	N/A
		Pyrene	N/A
DLASS-032-0001-SO	DLASS-032-0003-SO	Fluoranthene	N/A
		Pyrene	N/A

N/A indicates the ±reporting limit control limit was applied but was not met.

4.5 VOLATILE ORGANIC COMPOUNDS (VOCS)

Eight primary soil samples and two field duplicate samples were analyzed by CT for 37 volatile compounds by USEPA Method 8260B.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The BFB tunes met the method abundance criteria. The samples were analyzed within 12 hours of the BFB injection time.

- Calibration: Calibration criteria were met.

  - Initial calibration average RRFs and ICV and CCV RRFs were within the control limits listed in LCG Table 1 of ≥0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane, and ≥0.10 for chloromethane, bromoform, and 1,1-dichloroethane. All initial calibration %RSDs were within the control limit listed in LCG Table 1 of ≤30% for calibration check compounds (CCCs – 1,1-dichloroethene, chloroform, 1,2-dichloropropane, toluene, ethylbenzene, and vinyl chloride) and ≤15% for remaining compounds, or linear regression r values ≥0.995.

  - All second source initial calibration verification standard recoveries were within the control limits listed in LCG Table 1 of 80-120%.

  - Continuing calibration %Ds affecting validated sample data were within the method control limits of ≤20% listed in LCG Table 1.

  - MRL standards are required by the LCG and a standard of 3× the MDL is required by the FWQAPP. No MRL standards were analyzed in association with the samples in these SDGs; therefore, all results were qualified as estimated, "UJ," for nondetects and, "J," for detects. All qualified results were coded with a "C" qualification code.

  - No MDL checks standards were analyzed in association with the samples in these SDGs.

- Blanks: The method blanks had no target compound detects above the control limits listed in LCG Table 1 of one-half the reporting limit.

- Blank Spikes and Laboratory Control Samples: The LCS recoveries were within the control limits listed in FWQAPP Table 3-1 of 70-130%. Nondetected results were not qualified for high recoveries.

- Surrogate Recovery: Surrogate recoveries were within the control limits listed in LCG Table 1 of 50-150%.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on DLASS-003-0001-SO and DL2SS-006-0001-SO. Except as noted in the table below, MS/MSD recoveries and RPDs were within the control limits listed in FWQAPP Table 3-1 of 70-130% and ≤40%, respectively.

  The nondetected result listed in the table below was qualified as estimated, "UJ," and was coded with a "Q" qualification code. All recoveries for chloroethane were above the

control limit; however, as chloroethane was not detected in the parent samples, no qualifications were required.

Samples qualified for MS/MSD %R outliers			
Analyte	**MS %R**	**MSD %R**	**Affected Samples**
Methylene chloride	67%	60%	DLASS-003-0001-SO

- Internal Standards Performance: The internal standard area counts and retention times were within LCG Table 1 control limits established by the midpoint initial calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the samples validated at a Level IV. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at a Level IV. The reporting limits were supported by the low point of the initial calibration and the laboratory MDLs. Any result reported between the MDL and the reporting limit was qualified as estimated, "J," by the laboratory.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Manual integrations were reviewed for samples validated at Level IV and the associated calibrations. Manual integrations were performed for the lowest two calibrations standards to correct the baseline. The integrations were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Trip Blanks: No trip blanks were associated with the samples in these SDGs. Trip blanks are not required to accompany soil VOC samples and that no aqueous samples were collected.

    - Field Blanks and Equipment Rinsates: There were no field QC samples associated with the samples in these SDGs.

    - Field Duplicate Samples: Two field duplicate samples were collected and analyzed for volatiles. All RPDs were within the control limits in FWQAPP Table 3-1 of ≤50%. The RPD criterion was only applied when both sample results were ≥5× the reporting limit. In cases where results were <5× the reporting limit, the reasonable

control limit of ± the reporting limit was applied. See Appendix C for a complete comparison of all primary and field duplicate results.

4.6 METALS

Forty-six primary and six field duplicate soil samples were analyzed by CT for 22 metals by USEPA SW-846 Method 6010B and mercury by USEPA SW-846 Method 7471A.

- MDL studies were not evaluated as part of this project.
- Calibration: Calibration criteria were met.
  - o Initial calibration: Linear regression r values were within the control limit listed in the LCG Tables 7 and 9 of ≥0.995.
  - o Except as noted below, the %RSDs for the ICV and continuing calibration verification (CCV) standards were within the control limit listed in the LCG Table 7 of <5%. The ICV and CCV recoveries affecting sample results were within the control limits listed in LCG Table 7 of 90-110% for the ICP metals and Table 9 of 80-120% for mercury.

    Results in the table below were qualified as estimated, "J," and coded with a "*III" qualification code.

Samples qualified for CCV %RSD outliers		
Analyte	**%RSD**	**Qualified samples**
Magnesium	5.10%	DLASS-005-0001-SO, DLASS-011-0001-SO, DLASS-014-0001-SO, DLASS-014-0003-SO, DLASS-031-0001-SO, DLASS-032-0003-SO, DLASS-035-0001-SO, DLASS-036-0001-SO, DLASS-039-0001-SO, DLASS-042-0003-SO

  - o The MRL recoveries were within the control limits listed in the LCG Tables 7 and 9 of 70-130%.
  - o MDL Verification: No MDL check samples were analyzed in association with these SDGs.
- Blanks: Except as noted below, the method blanks and CCBs had no applicable detects above the control limit listed in the LCG Tables 7 and 9 of one-half the MRL.

  Results listed in the table below were qualified as "J," for detects or, "UJ," for nondetects for negative blank results. Detected results were qualified as nondetected, "U," for positive blank results. All qualified results were coded with a "B," qualification code. When no other qualifications with conflicting bias were assigned, detected results were assigned a negative bias, "J-."

Samples qualified for method blank or CCB outliers			
Analyte	**Result**	**RL**	**Affected Samples**
Thallium	-3.5 µg/L	5.6 µg/L	DLASS-010-0001-SO
Thallium	1.03 µg/L	5.6 µg/L	DLASS-009-0001-SO
Thallium	-6.30 µg/L	5.6 µg/L	DLASS-004-0001-SO, DLASS-019-0001-SO, DLASS-024-0001-SO
Selenium	-10.8 µg/L	17 µg/L	DLASS-001-0001-SO, DLASS-002-0001-SO, DLASS-008-0001-SO, DLASS-016-0001-SO, DLASS017-0001-SO, DLASS-018-0001-SO, DLASS-022-0001-SO, DLASS-022-0003-SO, DLASS-027-0001-SO
Thallium	-8.42 µg/L	5.6 µg/L	DLASS-001-0001-SO, DLASS-002-0001-SO, DLASS-016-0001-SO, DLASS-018-0001-SO, DLASS-027-0001-SO
Thallium	-3.52 µg/L	5.6 µg/L	DLASS-002-0003-SO, DLASS-008-0001-SO, DLASS-012-0001-SO, DLASS-013-0001-SO, DLASS-017-0001-SO, DLASS-020-0001-SO, DLASS-022-0003-SO, DLASS-025-0001-SO, DLASS-028-0001-SO, DLASS-029-0001-SO
Antimony	-0.101 mg/kg	0.56 mg/kg	DLASS-027-0001-SO, DLASS-031-0001-SO, DLASS-032-0001-SO, DLASS-042-0001-SO, DLASS-044-0001-SO
Thallium	2.93 µg/L	5.6 µg/L	DLASS-034-0001-SO, DLASS-038-0001-SO, DLASS-040-0001-SO, DLASS-041-0001-SO
Thallium	-6.77 µg/L	5.6 µg/L	DLASS-032-0001-SO
Antimony	-1.17 µg/L	11 µg/L	DLASS-038-0001-SO, DLASS-040-0001-SO, DLASS-041-0001-SO
Antimony	-1.19 µg/L	11 µg/L	DLASS-032-0003-SO
Selenium	-6.35 µg/L	17 µg/L	DLASS-036-0001-SO, DLASS-037-0001-SO, DLASS-038-0001-SO, DLASS-039-0001-SO, DLASS-040-0001-SO, DLASS-041-0001-SO, DLASS-042-0001-SO, DLASS-044-0001-SO

- Interference Check Samples: ICP and ICPMS interference check sample A (ICSA) and AB (ICSAB) recoveries were within the control limits listed in QAPP Table 7 of 80-120%. No target analytes were detected or reported in the ICSA that affected sample results.

- Blank Spikes and Laboratory Control Samples: Recoveries were within the control limits listed in FWQAPP Table 3-1 of 75-125%.

- Laboratory Duplicates: Laboratory duplicate analyses were performed on DLASS-002-0001-SO, DLASS-010-0001-SO, DLASS-014-0001-SO, DAASS-041-0001-SO, and DL2SS-001M-0001-SO. Except as noted below, the RPDs were within the control limits listed in the FWQAPP Table 3-1 of ≤25% for soil. The duplicate criterion was only applied when the original sample result was nominally ≥5× the reporting limit. In cases where the original sample result was <5× the reporting limit, the reasonable control limit of ± the reporting limit was applied.

Detected analytes noted in the table below were qualified as estimated detects, "J." All qualified results were coded with an "E" qualification code. As per the National Functional Guidelines, all samples in an SDG were qualified for associated RPD outliers.

Samples qualified for laboratory duplicate RPD outliers			
Parent Sample	**Analyte**	**RPD**	**Qualified Samples**
DLASS-002-0001-SO	Cadmium	32%	All samples in SDG 82399 except DLASS-010-0001-SO and DLASS-014-0001-SO
	Selenium	111%	
DLASS-010-0001-SO	Cadmium	21%	All samples in SDG 82399 except DLASS-002-0001-SO and DLASS-014-0001-SO
	Mercury	33%	
DLASS-014-0001-SO	Antimony	40%	All samples in SDG 82399 except DLASS-002-0001-SO and DLASS-010-0001-SO
DAASS-041-0001-SO	Cadmium	79%	All samples in SDG 82743
	Mercury	35%	
DL2SS-001M-0001-SO	Manganese	63%	All samples in SDG 83966
	Mercury	37%	

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on DLASS-002-0001-SO, DLASS-010-0001-SO, DLASS-014-0001-SO, DAASS-041-0001-SO, DAASS-041-0001-SO, and DL2SS-001M-0001-SO. Except as noted below, the recoveries were within the control limits listed in FWQAPP Table 3-1 of 75-125%. Matrix spike control limits were not applied when the native sample concentration exceeded the spiked amount by a factor of four or more. Nondetected results were not qualified for high recoveries.

  Nondetected results associated with recoveries less than 30% were rejected, "R." Remaining results noted in the table below were qualified as estimated, "J," for detects and "UJ," for nondetects in the associated samples. When only one recovery was below 30%, the average recovery was used to determine if the result should be rejected. All qualified results were coded with a "Q" qualification code. When no other qualifications with conflicting bias were assigned to a result, detected results with low recoveries were assigned a negative bias, "J-," and detected results with high recoveries were assigned a positive bias, "J+."

  As per the National Functional Guidelines, all samples in an SDG were qualified for MS/MSD outliers; however, spiked samples were not qualified for MS/MSD outliers from another spiked sample. Additionally, results were qualified even if only one recovery was outside of the control limits.

Samples qualified for MS/MSD %R outliers				
Parent sample	**Analyte**	**MS %R**	**MSD %R**	**Affected Samples**
DLASS-0002-0001-SO	**Antimony**	0%	0%	All samples in SDG 82399 except DLASS-010-0001-SO and DLASS-014-0001-SO
	Copper	36%	72%	
	Lead	15%	45%	
	Zinc	70%	60%	
	Magnesium	126%	82%	

Samples qualified for MS/MSD %R outliers				
Parent sample	**Analyte**	**MS %R**	**MSD %R**	**Affected Samples**
	Manganese	0%	0%	
	Cadmium	73%	71%	
	Cobalt	80%	72%	
	Nickel	77%	70%	
	Thallium	73%	71%	
	Selenium	75%	72%	
DLASS-014-0001-SO	**Antimony**	0%	20%	All samples in SDG 82399 except DLASS-002-0001-SO and DLASS-010-0001-SO
	Manganese	0%	0%	
	Silver	67%	71%	
DLASS-010-0001-SO	Antimony	179%	13%	All samples in SDG 82399 except DLASS-002-0001-SO and DLASS-014-0001-SO
	Arsenic	165%	80%	
	Barium	174%	78%	
	Beryllium	162%	82%	
	Cadmium	140%	67%	
	Calcium	331%	73%	
	Cobalt	150%	57%	
	Copper	128%	64%	
	Lead	18%	59%	
	Magnesium	286%	58%	
	Nickel	140%	59%	
	Selenium	159%	70%	
	Silver	161%	76%	
	Thallium	133%	66%	
	Vanadium	160%	72%	
	Zinc	75%	44%	
DAASS-041-0001-SO	Cobalt	67%	66%	All samples in SDG 82743
	Iron	56%	47%	
	Lead	26%	50%	
	Nickel	61%	62%	
	Antimony	7%	8%	
	Aluminum	135%	200%	
	Calcium	143%	240%	
	Zinc	75%	59%	
	Silver	92%	128%	
	Beryllium	106%	142%	
	Copper	103%	146%	
	Magnesium	125%	171%	
DL2SS-001M-0001-SO	Aluminum	132%	130%	All samples in SDG 83966
	Cadmium	67%	67%	
	Cobalt	22%	21%	
	Selenium	73%	73%	
	Silver	68%	64%	
	Thallium	53%	52%	
	Iron	39%	33%	
	Antimony	10%	10%	
	Mercury	64%	90%	

Analytes listed in **bold** indicate rejected nondetect results.

Except as noted in the table below, MS/MSD RPDs were within the control limit listed in FWQAPP Table 3-1 of ≤25%. Results noted in the table below were qualified as

estimated, "J," for detects and, "UJ," for nondetects. All qualified samples were coded with an "*III" qualification code.

As per the National Functional Guidelines, all samples in an SDG were qualified for MS/MSD RPD outliers. However, due to the large discrepancy in the MS and MSD recoveries for DLASS-010-0001-SO, only parent sample DLASS-010-0001-SO was qualified for the RPD outliers.

Samples qualified for MS/MSD RPD outliers			
Parent Sample	Analytes	RPD	Affected Samples
DLASS-002-0001-SO	Magnesium	22%	All samples in 82399 except DLASS-010-0001-SO and DLASS-014-0001-SO
DLASS-010-0001-SO	All except chromium, iron, and zinc	various	DLASS-010-0001-SO
DLASS-014-0001-SO	Antimony	22%	All samples in 82399 except DLASS-002-0001-SO and DLASS-010-0001-SO
DAASS-041-0001-SO	Silver	31%	All samples in SDG 827438
	Cadmium	28%	

- Serial Dilution: Serial dilution analyses were performed on DLASS-002-0001-SO, DLASS-010-0001-SO, DLASS-014-0001-SO DAASS-041-0001-SO, and DL2SS-001M-0001-SO. Except as noted below, the %Ds were within the control limit listed in LCG Table 7 of ≤10%. The serial dilution control limit is only applicable when the original sample concentration is minimally ≥50× the MDL for ICP analytes. As per the National Functional Guidelines, all samples in an SDG were qualified for a serial dilution %D outlier; however, other parent samples were not qualified for serial dilution outliers from another parent sample.

  Results noted in the table below were qualified as estimated, "J," for detects and, "UJ," for nondetects. All qualified results were coded with an "A" qualification code. When no other qualifications with conflicting bias were assigned to a result, detected results with were assigned a negative bias, "J-."

Samples qualified for serial dilution %D outliers			
Parent Sample	**Analytes**	**%D**	**Affected Samples**
DLASS-002-0001-SO	Cobalt	12%	All samples in 82399 except DLASS-010-0001-SO and DLASS-014-0001-SO
	Copper	16%	
	Lead	44%	
	Nickel	12%	
	Zinc	16%	
	Magnesium	11%	
DLASS-010-0001-SO	Barium	13%	All samples in 82399 except DLASS-002-0001-SO and DLASS-014-0001-SO
	Chromium	11%	
DLASS-014-0001-SO	Cadmium	17%	All samples in 82399 except DLASS-002-

Samples qualified for serial dilution %D outliers			
Parent Sample	**Analytes**	**%D**	**Affected Samples**
	Copper	15%	0001-SO and DLASS-010-0001-SO
	Iron	13%	
	Zinc	15%	
DAASS-041-0001-SO	Arsenic	12%	All samples in SDG 82743
	Lead	23%	
	Aluminum	29%	
	Calcium	33%	
	Copper	31%	
	Magnesium	35%	
DL2SS-001M-0001-SO	Iron	41%	All samples in SDG 83966
	Manganese	97%	
	Aluminum	29%	
	Arsenic	220%	
	Barium	30%	
	Beryllium	30%	
	Copper	35%	
	Chromium	36%	
	Cobalt	28%	
	Lead	39%	
	Magnesium	40%	
	Nickel	30%	
	Vanadium	61%	
	Zinc	20%	

- Internal Standards: Not applicable to these analyses.

- Sample Result Verification: For Level IV validation, calculations were verified and the sample results reported on the sample result summary were verified against the raw data. Any result reported between the MDL and the reporting limit was qualified as estimated, "J."

  During the Level IV review, the reviewer noted several selenium results, reported as nondetected by the laboratory with negative results, the absolute values of which exceeded the MDL. Based on professional judgment, the reviewer raised the MDLs for these results to the absolute value of the negative result and coded them with a "$" qualification code. Affected results are listed in the table below.

Results altered by the reviewer			
Sample	**Analyte**	**Negative Result (µg/L)**	**Revised Result (mg/kg)**
DLASS-001-0001-SO	Selenium	-12.9	0.66
DLASS-020-0001-SO	Selenium	-5.64	0.29
DL2SS-002M-0001-SO	Selenium	-13.4	0.34
DL2SS-003M-0001-SO	Selenium	-21.6	0.54
DL2SS-001M-0002-SO	Selenium	-8.25	0.21
DL2SS-004M-0001-SO	Selenium	-27.4	0.74

DL2SS-005M-0001-SO	Selenium	-25.4	0.64
DLASS-031-0001-SO	Antimony	-6.40	0.33
DLASS-042-0001-SO	Antimony	-8.33	0.42
	Thallium	-5.29	0.27

Due to matrix interference, numerous results were reported from 2× and 5× dilutions.

- Manual Integrations: Not applicable to these analyses.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There were no field QC samples associated with the samples in this SDG.

  - Field Duplicate Samples: Six field duplicate pairs were analyzed for metals. Except as noted in the table below, RPDs were within the control limits. The control limit listed in FWQAPP Table 3-1 is ≤50%. The RPD is applicable only when the sample results are ≥5× the reporting limit. For results <5× the reporting limit, a control limit of ± the reporting limit is used. See Appendix C for comparisons of all samples and analytes.

Table 6. Metals field duplicate comparison

Primary Sample	Duplicate Sample	Analyte	RPD
DL2SS-0001M-0001-SO	DL2SS-0001M-0002-SO	Chromium	77%
		Magnesium	62%
		Antimony	N/A
		Potassium	N/A
DLASS-002-0001-SO	DLASS-002-0003-SO	Iron	52%
		Mercury	84%
		Cadmium	N/A
		Thallium	N/A
DLASS-014-0001-SO	DLASS-014-0003-SO	Chromium	134%
		Antimony	N/A
		Sodium	N/A
DLASS-032-0001-SO	DLASS-032-0003-SO	Chromium	156%
		Potassium	51%
		Mercury	N/A
DLASS-042-0001-SO	DLASS-042-0003-SO	Zinc	70%
		Antimony	N/A
		Mercury	N/A

N/A indicates that the ±reporting limit control limit was used but not met.

4.7 GENERAL CHEMISTRY - HEXAVALENT CHROMIUM AND NITROCELLULOSE

Forty-six primary and six field duplicate soil samples were analyzed by CT for hexavalent chromium by USEPA SW-846 Method 7196A, and six primary samples and six field duplicate samples were analyzed for nitrocellulose by USEPA SW-846 Method 9056 Modified. As QC criteria are not addressed in the FWQAPP or the LCG, hexavalent chromium control limits were taken from the DoD QSM.

- MDL studies were not evaluated as part of this project.
- Calibration: Except as noted below, calibration criteria were met.
    - Initial calibration: The hexavalent chromium and nitrocellulose linear regression r values were within the control limit listed in the DoD QSM Tables B-8 and B-10 of ≥0.995.
    - The hexavalent chromium and nitrocellulose ICV and CCV recoveries were within the control limits listed in DoD QSM Tables B-8 and B-10 of 90-110%.
    - MRL standards are required by the LCG and a standard of 3× the MDL is required by the FWQAPP. No MRL standards were analyzed in association with the samples in these SDGs; therefore, all results were qualified as estimated, "UJ," for nondetects and, "J," for detects. All qualified results were coded with a "C" qualification code.
    - MDL Verification: MDL verification standards were not analyzed.
- Blanks: The method blank and CCBs had no applicable detects above the control limit listed in the DoD QSM Tables B-8 and B-10 of one-half the MRL.
- Blank Spikes and Laboratory Control Samples: Hexavalent chromium recoveries were within the laboratory-established control limits of 83-115% and the nitrocellulose recoveries were within the laboratory-established control limits of 70-130%.
- Laboratory Duplicates: Laboratory duplicate analyses were performed on DLASS-014-0001-SO, DLASS-002-0001-SO, DLASS022-0001-SO, and DL2SS-001M-0001-SO for hexavalent chromium and on DLASS-002-0001-SO and DL2SS-001M-0001-SO for nitrocellulose. Hexavalent chromium RPDs were within the control limit listed in DoD Table B-8 limit of ≤30% and the nitrocellulose RPDs were within the control limit listed in DoD Table B-10 of ≤10%.
- Matrix Spike/Matrix Spike Duplicate: Soluble and insoluble hexavalent chromium matrix spikes were performed on DLASS-014-0001-SO, DLASS-002-0001-SO, DLASS022-0001-SO, and DL2SS-001M-0001-SO in SDGs 82399 and 83966. MS/MSD analyses were performed for nitrocellulose on DLASS-002-0001-SO and DL2SS-001M-0001-SO. Except as noted below, the recoveries were within the laboratory-established control limits of 85-115% for hexavalent chromium and 70-130% for nitrocellulose.

Due to consistently poor recoveries of less than 30%, all hexavalent chromium samples in all SDGs were qualified. Nondetected results in the table below, with recoveries below 30% were rejected, "R." The remaining results in the table below were qualified as estimated, "J," for detects and, "UJ," for nondetects. When no other qualifications with conflicting bias were assigned to a result, detected results with were assigned a negative bias, "J-." All qualified results were coded with a "Q" qualification code. As per the National Functional Guidelines, all samples in an SDG were qualified for a matrix spike %R outlier.

Samples qualified for matrix spike %R outliers				
Parent sample	**Analyte**	**Soluble %R**	**Insoluble %R**	**Affected Samples**
DLASS-002-0001-SO	**Hexavalent chromium**	7%	5%	All samples in all SDGs
DLASS-014-0001-SO	**Hexavalent chromium**	8%	0%	All samples in all SDGs
DLASS-022-0001-SO	**Hexavalent chromium**	0%	6%	All samples in all SDGs
DL2SS-001M-0001-SO	**Hexavalent chromium**	0%	33%	All samples in all SDGs

Parent sample	**Analyte**	**MS %R**	**MSD %R**	**Affected Samples**
DL2SS-001M-0001-SO	Nitrocellulose	65%	66%	All samples in SDG 83966

- Sample Result Verification: For Level IV validation, calculations were verified and the sample result reported on the sample result summary was verified against the raw data. Any result reported between the MDL and the reporting limit was qualified as estimated, "J."

  The laboratory's hexavalent chromium instrument was not configured to list individual sample absorbances; therefore, the reviewer could not confirm the Level IV sample results from raw absorbances.

- Manual Integrations: Manual integrations are not applicable to the instrument used for this analysis.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There were no field QC samples associated with the samples in these SDGs.

  - Field Duplicate Samples: Six field duplicate pairs were analyzed for hexavalent chromium and nitrocellulose. RPDs were within the control limits. The control limit listed in FWQAPP Table 3-1 is ≤50%. The RPD is applicable only when the sample

results are ≥5× the reporting limit. For results <5× the reporting limit, a control limit of ± the reporting limit is used. See Appendix C for comparisons of all samples and analytes.

5. DATA DEFICIENCIES

5.1 REJECTED DATA

As noted in Table 7 below, 3.5% of the data were rejected for exceeded holding times, and LCS and MS/MSD recovery outliers. In instances where a data point had multiple results, the reviewer chose the most technically sound result to report and rejected the remaining data points. These rejected data points do not affect data quality or usability and are not included in Table 7.

5.1.1 Data Qualification Summary

Table 7, below, lists the number of analytes qualified for quality control outliers. A summary of the qualifications applied to the data can be found in Appendix A.

5.2 DATA USABILITY

As all planned samples were collected, the field completeness value for this sampling effort was 100%. As noted in Table 7 below, 3.4% of the data were rejected; however, all remaining data is usable for its intended purposes as qualified by MEC^{X}.

The analytical completeness goal for the project that was established in the FWQAPP was 90% for each method. Due to poor matrix spike recoveries, the completeness goal was not met for hexavalent chromium.

Data with reporting limits that exceeded the established criteria and data estimated for quality control outliers or for detects between the MDL and the RL were included in Table 7 for informational purposes only. Contaminants of concern that exceeded the criteria are noted in Section 6.2. The following table summarizes the calculated completeness for the project.

Table 7. Analytical completeness for the primary data

			Number of Results					Percent Complete
Analysis	**Samples Analyzed**	**Analytes per Sample**	**Total**	**Rejected**	**MDLs /RLs Exceeding Criteria**	**Estimated for QC Outliers**	**Estimated for Detects <RL**	
Explosives	12	16	192	0	0/122	192	0	100%
Nitroguanidine	12	1	12	0	0/0	12	0	100%
Pesticides	14	21	294	1	0/85	290	7	99.7%
PCBs	14	9	126	0	0/126	126	0	100%
SVOCs	14	67	936	27	56/776	873	184	97.1%
VOCs	10	37	370	35	299/336	335	7	90.5%
Metals	52	23	1196	0	31/5	758	43	100%

			Number of Results					
Analysis	**Samples Analyzed**	**Analytes per Sample**	**Total**	**Rejected**	**MDLs /RLs Exceeding Criteria**	**Estimated for QC Outliers**	**Estimated for Detects <RL**	**Percent Complete**
Nitrocellulose	12	1	12	0	8/8	8	0	100%
Hexavalent Chromium	52	1	52	46	0/0	6	6	11.5%
Totals			**3192**	**109**	**396/1371**	**2603**	**247**	**96.6%**

A total of 82% of the data was qualified. Most of the qualifications were because the laboratory did not analyze reporting limit check standards. Please note, however, as MRL standards are not an industry or DoD requirement (except for metals), these data meet all industry and DoD standards, with any other qualifications applied by MEC^{X}.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 PRIMARY AND FIELD DUPLICATE SAMPLE COMPARISON SUMMARY

Primary and field duplicate sample comparisons were considered to be in good agreement. About 3% of the field duplicate results were above the FWQAPP RPD control limit of 50%, or +/- the reporting limit for results ≤5× the reporting limit, or ±10× when one result was nondetected. Metals analytes constituted most of the outliers and most of the outliers were in field duplicate pairs DLASS-002-0001-SO/DLASS-002-0003-SO and DLASS-032-0001-SO/DLASS-032-0003-SO.

The field duplicate samples were not validated at Level IV; therefore, before the results could be compared to the primary sample results, the reviewer validated the pesticide data to determine the presence of and report any false negatives. Please note: values in the total analyte column exclude any results rejected for QC outliers.

Table 8. Primary/field duplicate sample comparison summary

Method	Number of Analytes	Primary/Field Duplicate Pairs	Total Analytes	Results within control limits	Results exceeding control limits
Explosives	16	6	96	96	0
Nitroguanidine	1	6	6	4	2
Pesticides	21	6	123	123	0
PCBs	9	6	54	54	0
SVOCs	67	6	369	365	4
VOCs	37	2	74	74	0
Metals	23	6	138	121	17
Nitrocellulose	1	6	6	6	0
Hexavalent Chromium	1	6	1	1	0
Totals			**867**	**844**	**23**

6.2 SPECIFIC DATA CONCERNS

- False negatives were identified in the pesticide data. When a compound retention time (RT) shift exceeded half of the defined RT window, the laboratory flagged the compound with an "F," only on the quantitation report, and did not report the compound as detected. In these instances, MEC^X qualified the results as false negatives.

- Except for the ICP metals and hexavalent chromium, results for most analytes groups were qualified for missed holding times in numerous samples. For nitroguanidine, the missed extraction holding times exceeded 3× the extraction holding time and resulted in the rejected of nondetected data.

- Although required by the FWQAPP and LCG, no MRL standards were analyzed in association with the organic methods or hexavalent chromium. MRL standards verify

the validity of the method reporting limits and offer additional surety in the laboratory's ability to correctly identify low concentrations of contaminant when there are no detects in site samples.

- These retained nondetected results exceeded the applicable criteria for MDLs, indicating the laboratory could not determine if the contaminant was present at the site action level:
    - VOCs – except for two benzene MDLs, all MDLs exceeded the reporting limit criteria
    - SVOCs – 56 MDLs, most for PAHs, in eight samples exceeded the reporting limit criteria
    - Explosives – RLs for a mix of compounds in most samples exceeded the reporting limit criteria
    - Nitrocellulose – all RLs and MDLs exceeded the reporting limit criteria
    - Metals – Five MDLs for thallium and selenium exceeded the reporting limit criteria, primarily due to dilutions for matrix interference.

6.3 RECOMMENDATIONS

In order to avoid repetition of the issues noted above, the following actions should be taken:

- Previous conversations with the pesticide laboratory, Microbac, yielded no concessions in their extraordinarily narrow retention time windows. Therefore, anytime this laboratory is proposed, MEC^X recommends that 100% of the pesticide data be validated at Level IV in order to consistently report pesticide detections or, require Microbac to confirm "F" qualified compounds by mass spectrometer.
- Prior to the start of the next field sampling effort, MEC^X suggests verifying the laboratory's capacity to meet the project-required extraction and holding times.
- Prior to the start of the next field sampling effort, MEC^X suggests that the project-required reporting limits be confirmed with the laboratory project managers.
- MEC^X suggests adding the MRL requirement to the laboratory contract in order to assure these standards are analyzed.

7. REFERENCES

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APPENDIX A

Qualified Sample Result Forms

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient was noncompliant.
R	Calibration RRF was noncompliant.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	ICPMS tuning was noncompliant
T	Presumed contamination as indicated by the trip blank results.	Not applicable
+	False positive – reported compound was not present.	False positive – reported compound was not present.
-	False negative – compound was present but not reported.	False negative – compound was present but not reported.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*II, *III	A deficiency was found that has been described in the "Sample Management," section (*II) or the "Method Analyses" section (*III).	A deficiency was found that has been described in the "Sample Management," section (*II) or the "Method Analyses" section (*III).

Validated Sample Result Forms: 82399

Analysis Method 6010C

Sample Name DLASS-001-0001-SO **AnalysisType:** RES

Lab Sample Name: 870191 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10400	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	1400	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	14.8	0.91	0.26	mg/kg		J	Q
Barium	7440-39-3	78.3	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.6	0.024	0.0081	mg/kg		J	Q
Cadmium	7440-43-9	0.2	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	7470	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	35.8	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	7.8	0.1	0.03	mg/kg	B	J-	A, Q
Copper	7440-50-8	12.4	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	23400	2	0.61	mg/kg		J-	A
Lead	7439-92-1	39.5	0.28	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	2700	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	849	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	16.1	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.85	0.85	0.14	mg/kg	UB,V	UJ	$, Q, B, E, MDL changed from 0.14
Silver	7440-22-4	0.11	0.11	0.035	mg/kg	UV	UJ	Q
Thallium	7440-28-0	0.88	0.28	0.081	mg/kg		J-	B, Q
Vanadium	7440-62-2	16.7	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	69.1	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: 870189 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10900	0.24	0.082	mg/kg	B		
Antimony	7440-36-0	99.4	0.55	0.16	mg/kg		J-	Q
Arsenic	7440-38-2	10.1	0.92	0.27	mg/kg			
Barium	7440-39-3	121	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.57	0.024	0.0082	mg/kg			
Cadmium	7440-43-9	0.29	0.043	0.012	mg/kg	M,Y	J	Q, E
Calcium	7440-70-2	3740	1	0.12	mg/kg	B		
Chromium	7440-47-3	110	0.13	0.039	mg/kg	B	J	
Cobalt	7440-48-4	9.1	0.1	0.031	mg/kg	M,B	J-	A, Q
Copper	7440-50-8	10.3	0.41	0.12	mg/kg	M	J-	A, Q
Iron	7439-89-6	29800	2	0.61	mg/kg			
Lead	7439-92-1	48.6	0.29	0.082	mg/kg	M	J-	A, Q
Magnesium	7439-95-4	2290	0.82	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1510	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	12.8	0.12	0.037	mg/kg	M	J-	A, Q
Selenium	7782-49-2	1.7	0.86	0.14	mg/kg		J	B, Q, E
Silver	7440-22-4	0.15	0.11	0.035	mg/kg			
Thallium	7440-28-0	0.69	0.29	0.082	mg/kg		J-	B, Q
Vanadium	7440-62-2	21.5	0.069	0.022	mg/kg			
Zinc	7440-66-6	58.6	0.24	0.082	mg/kg	M	J-	A, Q

Analysis Method 6010C

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: 870212 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10600	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	113	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	10.2	0.91	0.26	mg/kg		J	Q
Barium	7440-39-3	103	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.57	0.024	0.0081	mg/kg	B	J	Q
Cadmium	7440-43-9	0.19	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	3720	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	103	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	8.4	0.099	0.03	mg/kg	B	J-	A, Q
Copper	7440-50-8	10.9	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	17600	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	32.5	0.28	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	1580	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1290	0.1	0.032	mg/kg	B	J-	Q
Nickel	7440-02-0	12.4	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.85	0.85	0.14	mg/kg	UV,B	UJ	Q, E
Silver	7440-22-4	0.11	0.11	0.035	mg/kg	UV	UJ	Q
Thallium	7440-28-0	0.32	0.28	0.081	mg/kg		J-	B, Q
Vanadium	7440-62-2	21.3	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	49.5	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-004-0001-SO **AnalysisType:** RES

Lab Sample Name: 869556 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10800	0.25	0.082	mg/kg	B	J	
Antimony	7440-36-0	176	0.56	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	11.2	0.93	0.27	mg/kg		J	Q
Barium	7440-39-3	103	0.056	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.71	0.025	0.0082	mg/kg	B	J	Q
Cadmium	7440-43-9	0.13	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	13400	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	18.2	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	8.1	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	10.5	0.41	0.12	mg/kg	B	J-	A, Q
Iron	7439-89-6	19100	2.1	0.62	mg/kg	B	J-	A
Lead	7439-92-1	19.2	0.29	0.082	mg/kg	B	J-	A, Q
Magnesium	7439-95-4	3830	0.82	0.25	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1190	0.1	0.033	mg/kg	B	J-	Q
Nickel	7440-02-0	16	0.13	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.35	0.87	0.14	mg/kg	JV	J	Q, E
Silver	7440-22-4	0.12	0.12	0.035	mg/kg	UV	UJ	Q
Thallium	7440-28-0	0.94	0.29	0.082	mg/kg		J-	B, Q
Vanadium	7440-62-2	17.5	0.07	0.023	mg/kg	B	J	Q
Zinc	7440-66-6	55.6	0.25	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-005-0001-SO **AnalysisType:** RES

Lab Sample Name: 870200 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	9660	0.25	0.082	mg/kg			
Antimony	7440-36-0	550	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	11.9	0.92	0.27	mg/kg		J	Q
Barium	7440-39-3	131	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.99	0.025	0.0082	mg/kg		J	Q
Cadmium	7440-43-9	1.1	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	18500	2.6	0.31	mg/kg		J	Q
Chromium	7440-47-3	39.1	0.32	0.098	mg/kg		J-	A
Cobalt	7440-48-4	11.3	0.25	0.077	mg/kg		J-	A, Q
Copper	7440-50-8	17.7	0.41	0.12	mg/kg	B	J-	A, Q
Iron	7439-89-6	23900	2.1	0.62	mg/kg		J-	A
Lead	7439-92-1	132	0.29	0.082	mg/kg		J-	A, Q
Magnesium	7439-95-4	4460	2.1	0.62	mg/kg		J	*III, Q, A
Manganese	7439-96-5	1290	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	30.8	0.31	0.092	mg/kg		J-	A, Q
Selenium	7782-49-2	0.65	0.86	0.14	mg/kg	J	J	Q, E
Silver	7440-22-4	0.2	0.12	0.035	mg/kg		J-	Q
Thallium	7440-28-0	0.8	0.72	0.21	mg/kg		J-	Q
Vanadium	7440-62-2	17.4	0.07	0.023	mg/kg		J	Q
Zinc	7440-66-6	75.5	0.25	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-006-0001-SO **AnalysisType:** RES

Lab Sample Name: 870215 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10800	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	364	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	10.5	0.91	0.26	mg/kg		J	Q
Barium	7440-39-3	111	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.79	0.024	0.0081	mg/kg	B	J	Q
Cadmium	7440-43-9	0.26	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	13100	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	92.9	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	8.2	0.099	0.03	mg/kg	B	J-	A, Q
Copper	7440-50-8	11	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	20300	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	30.2	0.28	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	3420	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1370	0.1	0.032	mg/kg	B	J-	Q
Nickel	7440-02-0	18.4	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.97	0.85	0.14	mg/kg		J	Q, E
Silver	7440-22-4	0.18	0.11	0.035	mg/kg		J-	Q
Thallium	7440-28-0	0.96	0.28	0.081	mg/kg		J-	Q
Vanadium	7440-62-2	18.5	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	50.8	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-007-0001-SO **AnalysisType:** RES

Lab Sample Name: 870209 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	11200	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	843	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	15.5	0.91	0.26	mg/kg		J	Q
Barium	7440-39-3	131	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.8	0.024	0.0081	mg/kg	B	J	Q
Cadmium	7440-43-9	0.34	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	9960	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	119	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	9.9	0.1	0.03	mg/kg	B	J-	A, Q
Copper	7440-50-8	14	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	22800	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	43.8	0.28	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	2560	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1490	0.1	0.033	mg/kg	B	J-	Q
Nickel	7440-02-0	25.4	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.38	0.85	0.14	mg/kg	JV	J	Q, E
Silver	7440-22-4	0.18	0.11	0.035	mg/kg		J-	Q
Thallium	7440-28-0	1.2	0.28	0.081	mg/kg		J-	Q
Vanadium	7440-62-2	20.9	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	78.3	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-008-0001-SO **AnalysisType:** RES

Lab Sample Name: 870196 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10300	0.24	0.082	mg/kg	B		
Antimony	7440-36-0	10.7	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.7	0.92	0.27	mg/kg		J	Q
Barium	7440-39-3	95.8	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.7	0.024	0.0082	mg/kg		J	Q
Cadmium	7440-43-9	0.23	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	7650	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	115	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	9.3	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	13.4	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	31700	2	0.61	mg/kg		J-	A
Lead	7439-92-1	20.7	0.29	0.082	mg/kg		J-	A, Q
Magnesium	7439-95-4	2910	0.82	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1190	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	21.3	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.63	0.86	0.14	mg/kg	JV	J	B, Q, E
Silver	7440-22-4	0.11	0.11	0.035	mg/kg	UV	UJ	Q
Thallium	7440-28-0	0.72	0.29	0.082	mg/kg		J-	B, Q
Vanadium	7440-62-2	19.4	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	64.2	0.24	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-009-0001-SO **AnalysisType:** RES

Lab Sample Name: 869554 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	17100	0.25	0.082	mg/kg	B	J	
Antimony	7440-36-0	2.3	0.56	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	13.1	0.93	0.27	mg/kg		J	Q
Barium	7440-39-3	132	0.056	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.97	0.025	0.0082	mg/kg	B	J	Q
Cadmium	7440-43-9	0.17	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	8690	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	72.5	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	11.9	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	14.5	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	25200	2.1	0.62	mg/kg	B	J-	A
Lead	7439-92-1	24	0.29	0.082	mg/kg	B	J-	A, Q
Magnesium	7439-95-4	3110	0.82	0.25	mg/kg	B	J	Q, *III, A
Manganese	7439-96-5	1190	0.1	0.033	mg/kg	B	J-	Q
Nickel	7440-02-0	23.8	0.13	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	1.2	0.86	0.14	mg/kg		J	Q, E
Silver	7440-22-4	0.12	0.12	0.035	mg/kg	UV	UJ	Q
Thallium	7440-28-0	0.16	0.29	0.082	mg/kg	JV	UJ	B, Q
Vanadium	7440-62-2	28.7	0.07	0.023	mg/kg	B	J	Q
Zinc	7440-66-6	74.1	0.25	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-010-0001-SO **AnalysisType:** RES

Lab Sample Name: 869552 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	12900	0.25	0.082	mg/kg	B	J	*III
Antimony	7440-36-0	1.4	0.55	0.16	mg/kg	M	J	Q, *III
Arsenic	7440-38-2	11.3	0.92	0.27	mg/kg	B,M	J	Q, *III
Barium	7440-39-3	96.8	0.055	0.016	mg/kg	B,M	J	A, Q, *III
Beryllium	7440-41-7	0.68	0.025	0.0082	mg/kg	B	J	Q, *III
Cadmium	7440-43-9	0.26	0.043	0.012	mg/kg	B,M,Y	J	Q, E, *III
Calcium	7440-70-2	4840	1	0.12	mg/kg	B	J	Q, *III
Chromium	7440-47-3	58.9	0.13	0.039	mg/kg	B,M	J	A
Cobalt	7440-48-4	9.9	0.1	0.031	mg/kg	B	J	Q, *III
Copper	7440-50-8	13.4	0.41	0.12	mg/kg		J	Q, *III
Iron	7439-89-6	22700	2	0.61	mg/kg	B	J	
Lead	7439-92-1	19.5	0.29	0.082	mg/kg	B	J	Q, *III
Magnesium	7439-95-4	2520	0.82	0.25	mg/kg		J	Q, *III
Manganese	7439-96-5	907	0.1	0.033	mg/kg	B	J	*III
Nickel	7440-02-0	21.1	0.13	0.037	mg/kg	B	J	Q, *III
Selenium	7782-49-2	0.8	0.86	0.14	mg/kg	JY,M,V	J	Q, *III
Silver	7440-22-4	0.11	0.11	0.035	mg/kg	UBMYV	UJ	*III
Thallium	7440-28-0	0.78	0.29	0.082	mg/kg		J	B, Q, *III
Vanadium	7440-62-2	23.1	0.07	0.023	mg/kg	B	J	Q, *III
Zinc	7440-66-6	63	0.25	0.082	mg/kg		J	Q

Analysis Method 6010C

Sample Name DLASS-011-0001-SO **AnalysisType:** RES

Lab Sample Name: 870202 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	9470	0.25	0.084	mg/kg			
Antimony	7440-36-0	0.31	0.56	0.17	mg/kg	JV	J	Q, E, *III
Arsenic	7440-38-2	11.1	0.94	0.27	mg/kg		J	Q
Barium	7440-39-3	86.3	0.056	0.017	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.69	0.025	0.0084	mg/kg		J	Q
Cadmium	7440-43-9	1	0.044	0.013	mg/kg		J	A, Q, E
Calcium	7440-70-2	4630	2.6	0.31	mg/kg		J	Q
Chromium	7440-47-3	26.7	0.33	0.099	mg/kg		J-	A
Cobalt	7440-48-4	11.9	0.26	0.078	mg/kg		J-	A, Q
Copper	7440-50-8	15.2	0.42	0.13	mg/kg	B	J-	A, Q
Iron	7439-89-6	22600	2.1	0.63	mg/kg		J-	A
Lead	7439-92-1	36.6	0.29	0.084	mg/kg		J-	A, Q
Magnesium	7439-95-4	2690	2.1	0.63	mg/kg		J	*III, Q, A
Manganese	7439-96-5	643	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	21.8	0.32	0.094	mg/kg		J-	A, Q
Selenium	7782-49-2	0.62	0.88	0.15	mg/kg	JV	J	Q, E
Silver	7440-22-4	0.14	0.12	0.036	mg/kg		J-	Q
Thallium	7440-28-0	0.59	0.73	0.21	mg/kg	JV	J-	Q
Vanadium	7440-62-2	19.4	0.071	0.023	mg/kg		J	Q
Zinc	7440-66-6	52.8	0.25	0.084	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-012-0001-SO **AnalysisType:** RES

Lab Sample Name: 870213 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	11700	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	3.9	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	8.8	0.91	0.26	mg/kg		J	Q
Barium	7440-39-3	86.2	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.59	0.024	0.0081	mg/kg	B	J	Q
Cadmium	7440-43-9	0.18	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	3500	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	97.9	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	8.3	0.099	0.03	mg/kg	B	J-	A, Q
Copper	7440-50-8	11.6	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	17200	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	19.6	0.28	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	2280	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1040	0.1	0.032	mg/kg	B	J-	Q
Nickel	7440-02-0	17.6	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.85	0.85	0.14	mg/kg	UV,B	UJ	Q, E
Silver	7440-22-4	0.11	0.11	0.034	mg/kg	UV	UJ	Q
Thallium	7440-28-0	0.7	0.28	0.081	mg/kg		J-	B, Q
Vanadium	7440-62-2	23.5	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	62.4	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-013-0001-SO **AnalysisType:** RES

Lab Sample Name: 870216 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	11800	0.24	0.082	mg/kg	B		
Antimony	7440-36-0	8.7	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.6	0.92	0.27	mg/kg		J	Q
Barium	7440-39-3	115	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.69	0.024	0.0082	mg/kg	B	J	Q
Cadmium	7440-43-9	0.27	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	8870	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	85.1	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	8.3	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	10.1	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	21700	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	19.2	0.29	0.082	mg/kg		J-	A, Q
Magnesium	7439-95-4	2730	0.82	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1200	0.1	0.033	mg/kg	B	J-	Q
Nickel	7440-02-0	17	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	1.8	0.86	0.14	mg/kg		J	Q, E
Silver	7440-22-4	0.19	0.11	0.035	mg/kg		J-	Q
Thallium	7440-28-0	0.48	0.29	0.082	mg/kg		J-	B, Q
Vanadium	7440-62-2	21.4	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	53.5	0.24	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-014-0001-SO **AnalysisType:** RES

Lab Sample Name: 870201 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10200	0.25	0.083	mg/kg			
Antimony	7440-36-0	2.4	0.56	0.17	mg/kg	Y	J	Q, E, *III
Arsenic	7440-38-2	10.8	0.93	0.27	mg/kg			
Barium	7440-39-3	94.4	0.056	0.017	mg/kg	B		
Beryllium	7440-41-7	0.63	0.025	0.0083	mg/kg			
Cadmium	7440-43-9	1.1	0.043	0.012	mg/kg		J-	A
Calcium	7440-70-2	2880	2.6	0.31	mg/kg			
Chromium	7440-47-3	156	0.33	0.098	mg/kg			
Cobalt	7440-48-4	10.9	0.25	0.077	mg/kg			
Copper	7440-50-8	14.6	0.41	0.12	mg/kg	B	J-	A
Iron	7439-89-6	22500	2.1	0.62	mg/kg	M	J-	A
Lead	7439-92-1	30.4	0.29	0.083	mg/kg			
Magnesium	7439-95-4	2540	2.1	0.62	mg/kg		J	*III
Manganese	7439-96-5	738	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	20.6	0.31	0.093	mg/kg			
Selenium	7782-49-2	0.87	0.87	0.14	mg/kg	V		
Silver	7440-22-4	0.15	0.12	0.035	mg/kg	M	J-	Q
Thallium	7440-28-0	0.92	0.72	0.21	mg/kg	Y		
Vanadium	7440-62-2	22.8	0.07	0.023	mg/kg			
Zinc	7440-66-6	47.6	0.25	0.083	mg/kg		J-	A

Analysis Method 6010C

Sample Name DLASS-014-0003-SO **AnalysisType:** RES

Lab Sample Name: 870203 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	9670	0.25	0.083	mg/kg			
Antimony	7440-36-0	0.47	0.56	0.17	mg/kg	JV	J	Q, E, *III
Arsenic	7440-38-2	10.5	0.93	0.27	mg/kg		J	Q
Barium	7440-39-3	88.9	0.056	0.017	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.61	0.025	0.0083	mg/kg		J	Q
Cadmium	7440-43-9	1	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	2910	2.6	0.31	mg/kg		J	Q
Chromium	7440-47-3	30.8	0.33	0.098	mg/kg		J-	A
Cobalt	7440-48-4	9	0.25	0.078	mg/kg		J-	A, Q
Copper	7440-50-8	13.9	0.41	0.12	mg/kg	B	J-	A, Q
Iron	7439-89-6	22400	2.1	0.62	mg/kg		J-	A
Lead	7439-92-1	30.9	0.29	0.083	mg/kg		J-	A, Q
Magnesium	7439-95-4	2040	2.1	0.62	mg/kg		J	*III, Q, A
Manganese	7439-96-5	760	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	18.2	0.32	0.093	mg/kg		J-	A, Q
Selenium	7782-49-2	0.87	0.87	0.14	mg/kg	V	J	Q, E
Silver	7440-22-4	0.17	0.12	0.035	mg/kg		J-	Q
Thallium	7440-28-0	0.3	0.72	0.21	mg/kg	JV	J-	Q
Vanadium	7440-62-2	22	0.07	0.023	mg/kg		J	Q
Zinc	7440-66-6	47.6	0.25	0.083	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-016-0001-SO **AnalysisType:** RES

Lab Sample Name: 870192 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	12100	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	25.1	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.9	0.92	0.26	mg/kg		J	Q
Barium	7440-39-3	107	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.7	0.024	0.0081	mg/kg		J	Q
Cadmium	7440-43-9	0.26	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	7990	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	31.1	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	8.4	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	8.9	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	26800	2	0.61	mg/kg		J-	A
Lead	7439-92-1	25.1	0.29	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	2420	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1410	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	11.3	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.86	0.86	0.14	mg/kg	UV	UJ	B, Q, E
Silver	7440-22-4	0.077	0.11	0.035	mg/kg	JV	J-	Q
Thallium	7440-28-0	0.69	0.29	0.081	mg/kg		J-	B, Q
Vanadium	7440-62-2	22.9	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	68.7	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-017-0001-SO **AnalysisType:** RES

Lab Sample Name: 870193 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	12900	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	2.7	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.5	0.92	0.26	mg/kg		J	Q
Barium	7440-39-3	121	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.64	0.024	0.0081	mg/kg		J	Q
Cadmium	7440-43-9	0.39	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	4250	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	134	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	9.6	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	10.8	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	26000	2	0.61	mg/kg		J-	A
Lead	7439-92-1	23.7	0.28	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	1840	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1270	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	14.5	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.5	0.85	0.14	mg/kg	JV	J	B, Q, E
Silver	7440-22-4	0.2	0.11	0.035	mg/kg		J-	Q
Thallium	7440-28-0	0.28	0.28	0.081	mg/kg	UV	UJ	B, Q
Vanadium	7440-62-2	24.4	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	104	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-018-0001-SO **AnalysisType:** RES

Lab Sample Name: 870190 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	11200	0.25	0.082	mg/kg	B		
Antimony	7440-36-0	2.4	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.7	0.92	0.27	mg/kg		J	Q
Barium	7440-39-3	86.2	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.55	0.025	0.0082	mg/kg		J	Q
Cadmium	7440-43-9	0.17	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	1420	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	94.9	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	9.2	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	12.1	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	24600	2.1	0.62	mg/kg		J-	A
Lead	7439-92-1	29.7	0.29	0.082	mg/kg		J-	A, Q
Magnesium	7439-95-4	1620	0.82	0.25	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1270	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	12.8	0.13	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.93	0.86	0.14	mg/kg		J	B, Q, E
Silver	7440-22-4	0.11	0.11	0.035	mg/kg	UV	UJ	Q
Thallium	7440-28-0	0.53	0.29	0.082	mg/kg		J-	B, Q
Vanadium	7440-62-2	23.2	0.07	0.023	mg/kg		J	Q
Zinc	7440-66-6	52.8	0.25	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-019-0001-SO **AnalysisType:** RES

Lab Sample Name: 869553 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	11600	0.25	0.082	mg/kg	B	J	
Antimony	7440-36-0	0.59	0.56	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.7	0.93	0.27	mg/kg		J	Q
Barium	7440-39-3	103	0.056	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.71	0.025	0.0082	mg/kg	B	J	Q
Cadmium	7440-43-9	0.12	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	7830	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	14.8	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	8.2	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	11.3	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	16800	2.1	0.62	mg/kg	B	J-	A
Lead	7439-92-1	18.7	0.29	0.082	mg/kg	B	J-	A, Q
Magnesium	7439-95-4	2000	0.82	0.25	mg/kg	B	J	Q, *III, A
Manganese	7439-96-5	1230	0.1	0.033	mg/kg	B	J-	Q
Nickel	7440-02-0	20.4	0.13	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.2	0.87	0.14	mg/kg	JV	J	Q, E
Silver	7440-22-4	0.12	0.12	0.035	mg/kg	UV	UJ	Q
Thallium	7440-28-0	0.58	0.29	0.082	mg/kg		J-	B, Q
Vanadium	7440-62-2	22.9	0.07	0.023	mg/kg	B	J	Q
Zinc	7440-66-6	45.8	0.25	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-020-0001-SO **AnalysisType:** RES

Lab Sample Name: 870210 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	9890	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	20.7	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	10.2	0.91	0.26	mg/kg		J	Q
Barium	7440-39-3	104	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.81	0.024	0.0081	mg/kg	B	J	Q
Cadmium	7440-43-9	0.19	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	14800	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	106	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	7.4	0.099	0.03	mg/kg	B	J-	A, Q
Copper	7440-50-8	11.2	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	17200	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	19.1	0.28	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	3290	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1260	0.1	0.032	mg/kg	B	J-	Q
Nickel	7440-02-0	18.9	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.85	0.85	0.14	mg/kg	UV	UJ	$, Q, E, MDL changed from 0.14
Silver	7440-22-4	0.062	0.11	0.034	mg/kg	JV	J-	Q
Thallium	7440-28-0	0.81	0.28	0.081	mg/kg		J-	B, Q
Vanadium	7440-62-2	15.8	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	48.2	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-021-0001-SO **AnalysisType:** RES

Lab Sample Name: 870197 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	14100	0.25	0.082	mg/kg	B		
Antimony	7440-36-0	3.6	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.3	0.92	0.27	mg/kg		J	Q
Barium	7440-39-3	172	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	1.2	0.025	0.0082	mg/kg	B	J	Q
Cadmium	7440-43-9	0.26	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	29000	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	118	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	8.1	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	11.5	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	20100	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	24.8	0.29	0.082	mg/kg		J-	A, Q
Magnesium	7439-95-4	6790	0.82	0.25	mg/kg		J	Q, *III, A
Manganese	7439-96-5	2020	0.1	0.033	mg/kg	B	J-	Q
Nickel	7440-02-0	21.8	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	1.1	0.86	0.14	mg/kg		J	Q, E
Silver	7440-22-4	0.18	0.11	0.035	mg/kg		J-	Q
Thallium	7440-28-0	1.2	0.29	0.082	mg/kg		J-	Q
Vanadium	7440-62-2	18.2	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	58.7	0.25	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: 870194 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10900	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	2.3	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	10.2	0.92	0.26	mg/kg		J	Q
Barium	7440-39-3	104	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.69	0.024	0.0081	mg/kg		J	Q
Cadmium	7440-43-9	0.33	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	5860	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	95.2	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	9.6	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	11.8	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	27600	2	0.61	mg/kg		J-	A
Lead	7439-92-1	24.5	0.29	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	2250	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1010	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	17.4	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	2.3	0.86	0.14	mg/kg	B	J	B, Q, E
Silver	7440-22-4	0.12	0.11	0.035	mg/kg		J-	Q
Thallium	7440-28-0	0.9	0.29	0.081	mg/kg		J-	Q
Vanadium	7440-62-2	21.8	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	56.5	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: 870195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	11300	0.24	0.082	mg/kg	B		
Antimony	7440-36-0	2.7	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	10.3	0.92	0.27	mg/kg		J	Q
Barium	7440-39-3	111	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.74	0.024	0.0082	mg/kg		J	Q
Cadmium	7440-43-9	0.27	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	8660	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	111	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	9.1	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	12.5	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	25800	2	0.61	mg/kg		J-	A
Lead	7439-92-1	25.8	0.29	0.082	mg/kg		J-	A, Q
Magnesium	7439-95-4	2560	0.82	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	973	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	17.7	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	1.5	0.86	0.14	mg/kg		J	B, Q, E
Silver	7440-22-4	0.061	0.11	0.035	mg/kg	JV	J-	Q
Thallium	7440-28-0	0.7	0.29	0.082	mg/kg		J-	B, Q
Vanadium	7440-62-2	21.4	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	54.5	0.24	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-024-0001-SO **AnalysisType:** RES

Lab Sample Name: 869555 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10900	0.25	0.082	mg/kg	B	J	
Antimony	7440-36-0	1.7	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	11.2	0.92	0.27	mg/kg		J	Q
Barium	7440-39-3	116	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.81	0.025	0.0082	mg/kg	B	J	Q
Cadmium	7440-43-9	0.079	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	9710	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	57.3	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	6.6	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	8.8	0.41	0.12	mg/kg	B	J-	A, Q
Iron	7439-89-6	20600	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	24.2	0.29	0.082	mg/kg	B	J-	A, Q
Magnesium	7439-95-4	2640	0.82	0.25	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1090	0.1	0.033	mg/kg	B	J-	Q
Nickel	7440-02-0	18.7	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	1.7	0.86	0.14	mg/kg		J	Q, E
Silver	7440-22-4	0.11	0.11	0.035	mg/kg	UV	UJ	Q
Thallium	7440-28-0	0.87	0.29	0.082	mg/kg		J-	B, Q
Vanadium	7440-62-2	17.5	0.07	0.022	mg/kg	B	J	Q
Zinc	7440-66-6	44.2	0.25	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-025-0001-SO **AnalysisType:** RES

Lab Sample Name: 870214 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	13000	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	1.8	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.1	0.92	0.26	mg/kg		J	Q
Barium	7440-39-3	144	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.93	0.024	0.0081	mg/kg	B	J	Q
Cadmium	7440-43-9	0.26	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	16400	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	101	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	8.4	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	12.7	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	18300	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	20.7	0.29	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	3130	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1800	0.1	0.033	mg/kg	B	J-	Q
Nickel	7440-02-0	21.2	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	1.9	0.86	0.14	mg/kg		J	Q, E
Silver	7440-22-4	0.079	0.11	0.035	mg/kg	JV	J-	Q
Thallium	7440-28-0	0.58	0.29	0.081	mg/kg		J-	B, Q
Vanadium	7440-62-2	22	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	46.9	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-026-0001-SO **AnalysisType:** RES

Lab Sample Name: 870207 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	9610	0.25	0.083	mg/kg			
Antimony	7440-36-0	2.2	0.56	0.17	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.6	0.93	0.27	mg/kg		J	Q
Barium	7440-39-3	105	0.056	0.017	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.68	0.025	0.0083	mg/kg		J	Q
Cadmium	7440-43-9	1.1	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	4010	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	155	0.33	0.098	mg/kg		J-	A
Cobalt	7440-48-4	2	0.051	0.015	mg/kg		J-	A, Q
Copper	7440-50-8	14.2	0.41	0.12	mg/kg	B	J-	A, Q
Iron	7439-89-6	22000	2.1	0.62	mg/kg		J-	A
Lead	7439-92-1	30.8	0.29	0.083	mg/kg		J-	A, Q
Magnesium	7439-95-4	2180	0.83	0.25	mg/kg	B	J	Q, *III, A
Manganese	7439-96-5	852	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	3.9	0.063	0.019	mg/kg		J-	A, Q
Selenium	7782-49-2	0.78	0.87	0.14	mg/kg	JV	J	Q, E
Silver	7440-22-4	0.13	0.12	0.035	mg/kg		J-	Q
Thallium	7440-28-0	0.86	0.72	0.21	mg/kg		J-	Q
Vanadium	7440-62-2	21.4	0.07	0.023	mg/kg	B	J	Q
Zinc	7440-66-6	52.2	0.25	0.083	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-027-0001-SO **AnalysisType:** RES

Lab Sample Name: 870188 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	9400	0.25	0.082	mg/kg	B		
Antimony	7440-36-0	0.36	0.55	0.16	mg/kg	JV	J	B, Q, E, *III
Arsenic	7440-38-2	9.5	0.92	0.27	mg/kg		J	Q
Barium	7440-39-3	104	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.58	0.025	0.0082	mg/kg		J	Q
Cadmium	7440-43-9	0.23	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	10200	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	13.9	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	7.1	0.1	0.031	mg/kg	B	J-	A, Q
Copper	7440-50-8	7.1	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	24300	2.1	0.62	mg/kg		J-	A
Lead	7439-92-1	15.8	0.29	0.082	mg/kg		J-	A, Q
Magnesium	7439-95-4	2000	0.82	0.25	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1510	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	12.4	0.13	0.037	mg/kg		J-	A, Q
Selenium	7782-49-2	1.9	0.86	0.14	mg/kg		J	B, Q, E
Silver	7440-22-4	0.21	0.12	0.035	mg/kg		J-	Q
Thallium	7440-28-0	0.11	0.29	0.082	mg/kg	JV	J-	B, Q
Vanadium	7440-62-2	19.3	0.07	0.023	mg/kg		J	Q
Zinc	7440-66-6	42	0.25	0.082	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-028-0001-SO **AnalysisType:** RES

Lab Sample Name: 870211 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	15900	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	1.4	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	9.3	0.91	0.26	mg/kg		J	Q
Barium	7440-39-3	175	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	1.1	0.024	0.0081	mg/kg	B	J	Q
Cadmium	7440-43-9	0.026	0.043	0.012	mg/kg	J	J	A, Q, E
Calcium	7440-70-2	21800	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	62.9	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	7.4	0.099	0.03	mg/kg	B	J-	A, Q
Copper	7440-50-8	8.6	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	20600	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	21.7	0.28	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	3210	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	2390	0.1	0.032	mg/kg	B	J-	Q
Nickel	7440-02-0	15.1	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	0.69	0.85	0.14	mg/kg	JV	J	Q, E
Silver	7440-22-4	0.091	0.11	0.035	mg/kg	JV	J-	Q
Thallium	7440-28-0	0.57	0.28	0.081	mg/kg		J-	B, Q
Vanadium	7440-62-2	25.2	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	49.1	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-029-0001-SO **AnalysisType:** RES

Lab Sample Name: 870208 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10500	0.24	0.081	mg/kg	B		
Antimony	7440-36-0	2.6	0.55	0.16	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	8.1	0.91	0.26	mg/kg		J	Q
Barium	7440-39-3	105	0.055	0.016	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.54	0.024	0.0081	mg/kg	B	J	Q
Cadmium	7440-43-9	0.27	0.043	0.012	mg/kg		J	A, Q, E
Calcium	7440-70-2	3500	1	0.12	mg/kg	B	J	Q
Chromium	7440-47-3	117	0.13	0.039	mg/kg	B	J-	A
Cobalt	7440-48-4	7.7	0.099	0.03	mg/kg	B	J-	A, Q
Copper	7440-50-8	9.2	0.41	0.12	mg/kg		J-	A, Q
Iron	7439-89-6	19600	2	0.61	mg/kg	B	J-	A
Lead	7439-92-1	23.6	0.28	0.081	mg/kg		J-	A, Q
Magnesium	7439-95-4	2590	0.81	0.24	mg/kg		J	Q, *III, A
Manganese	7439-96-5	1370	0.1	0.032	mg/kg	B	J-	Q
Nickel	7440-02-0	18.8	0.12	0.037	mg/kg	B	J-	A, Q
Selenium	7782-49-2	2.7	0.85	0.14	mg/kg		J	Q, E
Silver	7440-22-4	0.17	0.11	0.035	mg/kg		J-	Q
Thallium	7440-28-0	0.59	0.28	0.081	mg/kg		J-	B, Q
Vanadium	7440-62-2	21.2	0.069	0.022	mg/kg		J	Q
Zinc	7440-66-6	47.4	0.24	0.081	mg/kg		J-	A, Q

Analysis Method 6010C

Sample Name DLASS-030-0001-SO **AnalysisType:** RES

Lab Sample Name: 870204 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	9290	0.25	0.084	mg/kg			
Antimony	7440-36-0	0.99	0.56	0.17	mg/kg		J	Q, E, *III
Arsenic	7440-38-2	10.3	0.94	0.27	mg/kg		J	Q
Barium	7440-39-3	114	0.056	0.017	mg/kg	B	J-	A, Q
Beryllium	7440-41-7	0.69	0.025	0.0084	mg/kg		J	Q
Cadmium	7440-43-9	1	0.044	0.013	mg/kg		J	A, Q, E
Calcium	7440-70-2	3660	1	0.13	mg/kg	B	J	Q
Chromium	7440-47-3	82.7	0.33	0.099	mg/kg		J-	A
Cobalt	7440-48-4	9.5	0.26	0.078	mg/kg		J-	A, Q
Copper	7440-50-8	11.5	0.42	0.13	mg/kg	B	J-	A, Q
Iron	7439-89-6	20300	2.1	0.63	mg/kg		J-	A
Lead	7439-92-1	31.7	0.29	0.084	mg/kg		J-	A, Q
Magnesium	7439-95-4	1950	0.84	0.25	mg/kg	B	J	Q, *III, A
Manganese	7439-96-5	1300	0.1	0.033	mg/kg		J-	Q
Nickel	7440-02-0	15.8	0.32	0.094	mg/kg		J-	A, Q
Selenium	7782-49-2	1.2	0.88	0.15	mg/kg		J	Q, E
Silver	7440-22-4	0.21	0.12	0.035	mg/kg		J-	Q
Thallium	7440-28-0	1.3	0.73	0.21	mg/kg		J-	Q
Vanadium	7440-62-2	20.4	0.071	0.023	mg/kg	B	J	Q
Zinc	7440-66-6	52.2	0.25	0.084	mg/kg		J-	A, Q

Analysis Method 6010C-NaK

Sample Name DLASS-001-0001-SO **AnalysisType:** RES

Lab Sample Name: 870191 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	633	37	11	mg/kg			
Sodium	7440-23-5	46.2	13	4.1	mg/kg			

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: 870189 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	948	37	11	mg/kg			
Sodium	7440-23-5	47.9	13	4.1	mg/kg			

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: 870212 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	888	37	11	mg/kg			
Sodium	7440-23-5	46.2	13	4.1	mg/kg			

Sample Name DLASS-004-0001-SO **AnalysisType:** RES

Lab Sample Name: 869556 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	937	37	11	mg/kg			
Sodium	7440-23-5	64.6	13	4.1	mg/kg			

Sample Name DLASS-005-0001-SO **AnalysisType:** RES

Lab Sample Name: 870200 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	745	37	11	mg/kg			
Sodium	7440-23-5	91.2	13	4.1	mg/kg			

Analysis Method 6010C-NaK

Sample Name DLASS-006-0001-SO **AnalysisType:** RES

Lab Sample Name: 870215 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1070	37	11	mg/kg			
Sodium	7440-23-5	96.2	13	4.1	mg/kg			

Sample Name DLASS-007-0001-SO **AnalysisType:** RES

Lab Sample Name: 870209 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	953	37	11	mg/kg			
Sodium	7440-23-5	79.5	13	4.1	mg/kg			

Sample Name DLASS-008-0001-SO **AnalysisType:** RES

Lab Sample Name: 870196 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1050	37	11	mg/kg			
Sodium	7440-23-5	62.4	13	4.1	mg/kg			

Sample Name DLASS-009-0001-SO **AnalysisType:** RES

Lab Sample Name: 869554 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	941	37	11	mg/kg			
Sodium	7440-23-5	50.2	13	4.1	mg/kg			

Sample Name DLASS-010-0001-SO **AnalysisType:** RES

Lab Sample Name: 869552 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	917	37	11	mg/kg		J	*III
Sodium	7440-23-5	43	13	4.1	mg/kg		J	*III

Analysis Method 6010C-NaK

Sample Name DLASS-011-0001-SO **AnalysisType:** RES

Lab Sample Name: 870202 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	730	38	12	mg/kg			
Sodium	7440-23-5	32.9	14	4.2	mg/kg			

Sample Name DLASS-012-0001-SO **AnalysisType:** RES

Lab Sample Name: 870213 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1050	37	11	mg/kg			
Sodium	7440-23-5	52	13	4.1	mg/kg			

Sample Name DLASS-013-0001-SO **AnalysisType:** RES

Lab Sample Name: 870216 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1050	37	11	mg/kg			
Sodium	7440-23-5	70.3	13	4.1	mg/kg			

Sample Name DLASS-014-0001-SO **AnalysisType:** RES

Lab Sample Name: 870201 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	970	37	11	mg/kg			
Sodium	7440-23-5	54.7	13	4.1	mg/kg			

Sample Name DLASS-014-0003-SO **AnalysisType:** RES

Lab Sample Name: 870203 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	620	37	11	mg/kg			
Sodium	7440-23-5	25.1	13	4.1	mg/kg			

Analysis Method 6010C-NaK

Sample Name DLASS-016-0001-SO **AnalysisType:** RES

Lab Sample Name: 870192 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	731	37	11	mg/kg			
Sodium	7440-23-5	51.2	13	4.1	mg/kg			

Sample Name DLASS-017-0001-SO **AnalysisType:** RES

Lab Sample Name: 870193 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	946	37	11	mg/kg			
Sodium	7440-23-5	54.9	13	4.1	mg/kg			

Sample Name DLASS-018-0001-SO **AnalysisType:** RES

Lab Sample Name: 870190 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	728	37	11	mg/kg			
Sodium	7440-23-5	29.2	13	4.1	mg/kg			

Sample Name DLASS-019-0001-SO **AnalysisType:** RES

Lab Sample Name: 869553 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	636	37	11	mg/kg			
Sodium	7440-23-5	44.3	13	4.1	mg/kg			

Sample Name DLASS-020-0001-SO **AnalysisType:** RES

Lab Sample Name: 870210 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1290	37	11	mg/kg			
Sodium	7440-23-5	104	13	4.1	mg/kg			

Analysis Method 6010C-NaK

Sample Name DLASS-021-0001-SO **AnalysisType:** RES

Lab Sample Name: 870197 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1400	37	11	mg/kg			
Sodium	7440-23-5	148	13	4.1	mg/kg			

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: 870194 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1080	37	11	mg/kg			
Sodium	7440-23-5	55	13	4.1	mg/kg			

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: 870195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1100	37	11	mg/kg			
Sodium	7440-23-5	67.8	13	4.1	mg/kg			

Sample Name DLASS-024-0001-SO **AnalysisType:** RES

Lab Sample Name: 869555 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	867	37	11	mg/kg			
Sodium	7440-23-5	61.3	13	4.1	mg/kg			

Sample Name DLASS-025-0001-SO **AnalysisType:** RES

Lab Sample Name: 870214 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1010	37	11	mg/kg			
Sodium	7440-23-5	101	13	4.1	mg/kg			

Analysis Method 6010C-NaK

Sample Name DLASS-026-0001-SO **AnalysisType:** RES

Lab Sample Name: 870207 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	956	37	11	mg/kg			
Sodium	7440-23-5	60.4	13	4.1	mg/kg			

Sample Name DLASS-027-0001-SO **AnalysisType:** RES

Lab Sample Name: 870188 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	614	37	11	mg/kg			
Sodium	7440-23-5	35.5	13	4.1	mg/kg			

Sample Name DLASS-028-0001-SO **AnalysisType:** RES

Lab Sample Name: 870211 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	782	37	11	mg/kg			
Sodium	7440-23-5	76.9	13	4.1	mg/kg			

Sample Name DLASS-029-0001-SO **AnalysisType:** RES

Lab Sample Name: 870208 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	822	37	11	mg/kg			
Sodium	7440-23-5	47	13	4.1	mg/kg			

Sample Name DLASS-030-0001-SO **AnalysisType:** RES

Lab Sample Name: 870204 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	848	38	11	mg/kg			
Sodium	7440-23-5	57.7	14	4.2	mg/kg			

Analysis Method 7196A

Sample Name DLASS-001-0001-SO **AnalysisType:** RES

Lab Sample Name: 870191 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: 870189 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	UM	R	Q

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: 870212 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-004-0001-SO **AnalysisType:** RES

Lab Sample Name: 869556 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	2	mg/kg	U	R	Q

Sample Name DLASS-005-0001-SO **AnalysisType:** RES

Lab Sample Name: 870200 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	2	mg/kg	U	R	Q

Analysis Method 7196A

Sample Name DLASS-006-0001-SO **AnalysisType:** RES

Lab Sample Name: 870215 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-007-0001-SO **AnalysisType:** RES

Lab Sample Name: 870209 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-008-0001-SO **AnalysisType:** RES

Lab Sample Name: 870196 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-009-0001-SO **AnalysisType:** RES

Lab Sample Name: 869554 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	2	mg/kg	U	R	Q

Sample Name DLASS-010-0001-SO **AnalysisType:** RES

Lab Sample Name: 869552 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	1.9	mg/kg	U	R	Q

Analysis Method 7196A

Sample Name DLASS-011-0001-SO **AnalysisType:** RES

Lab Sample Name: 870202 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.7	6.7	2	mg/kg	U	R	Q

Sample Name DLASS-012-0001-SO **AnalysisType:** RES

Lab Sample Name: 870213 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-013-0001-SO **AnalysisType:** RES

Lab Sample Name: 870216 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-014-0001-SO **AnalysisType:** RES

Lab Sample Name: 870201 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	2	mg/kg	UM	R	Q

Sample Name DLASS-014-0003-SO **AnalysisType:** RES

Lab Sample Name: 870203 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	2	mg/kg	U	R	Q

Analysis Method 7196A

Sample Name DLASS-016-0001-SO **AnalysisType:** RES

Lab Sample Name: 870192 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-017-0001-SO **AnalysisType:** RES

Lab Sample Name: 870193 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-018-0001-SO **AnalysisType:** RES

Lab Sample Name: 870190 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	1.9	mg/kg	U	R	Q

Sample Name DLASS-019-0001-SO **AnalysisType:** RES

Lab Sample Name: 869553 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	2	mg/kg	U	R	Q

Sample Name DLASS-020-0001-SO **AnalysisType:** RES

Lab Sample Name: 870210 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Analysis Method 7196A

Sample Name DLASS-021-0001-SO **AnalysisType:** RES

Lab Sample Name: 870197 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: 870194 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	UM	R	Q

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: 870195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-024-0001-SO **AnalysisType:** RES

Lab Sample Name: 869555 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-025-0001-SO **AnalysisType:** RES

Lab Sample Name: 870214 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Analysis Method 7196A

Sample Name DLASS-026-0001-SO **AnalysisType:** RES

Lab Sample Name: 870207 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	2	mg/kg	U	R	Q

Sample Name DLASS-027-0001-SO **AnalysisType:** RES

Lab Sample Name: 870188 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.6	6.6	2	mg/kg	U	R	Q

Sample Name DLASS-028-0001-SO **AnalysisType:** RES

Lab Sample Name: 870211 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-029-0001-SO **AnalysisType:** RES

Lab Sample Name: 870208 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-030-0001-SO **AnalysisType:** RES

Lab Sample Name: 870204 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.7	6.7	2	mg/kg	U	R	Q

Analysis Method 7471A

Sample Name DLASS-001-0001-SO **AnalysisType:** RES

Lab Sample Name: 870191 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.046	0.008	0.0024	mg/kg		J	E

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: 870189 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.11	0.0081	0.0024	mg/kg			

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: 870212 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.045	0.008	0.0024	mg/kg		J	E

Sample Name DLASS-004-0001-SO **AnalysisType:** RES

Lab Sample Name: 869556 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.037	0.0081	0.0025	mg/kg		J	H, E

Sample Name DLASS-005-0001-SO **AnalysisType:** RES

Lab Sample Name: 870200 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.089	0.0081	0.0025	mg/kg		J	E

Analysis Method 7471A

Sample Name DLASS-006-0001-SO **AnalysisType:** RES

Lab Sample Name: 870215 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.048	0.008	0.0024	mg/kg		J	H, E

Sample Name DLASS-007-0001-SO **AnalysisType:** RES

Lab Sample Name: 870209 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.061	0.008	0.0024	mg/kg		J	H, E

Sample Name DLASS-008-0001-SO **AnalysisType:** RES

Lab Sample Name: 870196 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.04	0.0081	0.0024	mg/kg		J	H, E

Sample Name DLASS-009-0001-SO **AnalysisType:** RES

Lab Sample Name: 869554 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.025	0.0081	0.0025	mg/kg		J	H, E

Sample Name DLASS-010-0001-SO **AnalysisType:** RES

Lab Sample Name: 869552 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.035	0.0081	0.0025	mg/kg	Y	J	H, E, *III

Analysis Method 7471A

Sample Name DLASS-011-0001-SO **AnalysisType:** RES

Lab Sample Name: 870202 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.036	0.0083	0.0025	mg/kg		J	E

Sample Name DLASS-012-0001-SO **AnalysisType:** RES

Lab Sample Name: 870213 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.04	0.008	0.0024	mg/kg		J	H, E

Sample Name DLASS-013-0001-SO **AnalysisType:** RES

Lab Sample Name: 870216 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.037	0.0081	0.0024	mg/kg		J	H, E

Sample Name DLASS-014-0001-SO **AnalysisType:** RES

Lab Sample Name: 870201 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.04	0.0082	0.0025	mg/kg	M		

Sample Name DLASS-014-0003-SO **AnalysisType:** RES

Lab Sample Name: 870203 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.045	0.0082	0.0025	mg/kg		J	E

Analysis Method 7471A

Sample Name DLASS-016-0001-SO **AnalysisType:** RES

Lab Sample Name: 870192 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.049	0.008	0.0024	mg/kg		J	E

Sample Name DLASS-017-0001-SO **AnalysisType:** RES

Lab Sample Name: 870193 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.052	0.008	0.0024	mg/kg		J	E

Sample Name DLASS-018-0001-SO **AnalysisType:** RES

Lab Sample Name: 870190 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.034	0.0081	0.0025	mg/kg		J	E

Sample Name DLASS-019-0001-SO **AnalysisType:** RES

Lab Sample Name: 869553 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.068	0.0081	0.0025	mg/kg		J	H, E

Sample Name DLASS-020-0001-SO **AnalysisType:** RES

Lab Sample Name: 870210 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.032	0.008	0.0024	mg/kg		J	H, E

Analysis Method 7471A

Sample Name DLASS-021-0001-SO **AnalysisType:** RES

Lab Sample Name: 870197 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.035	0.0081	0.0025	mg/kg		J	H, E

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: 870194 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.043	0.008	0.0024	mg/kg		J	H, E

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: 870195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.042	0.0081	0.0024	mg/kg		J	H, E

Sample Name DLASS-024-0001-SO **AnalysisType:** RES

Lab Sample Name: 869555 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.024	0.0081	0.0025	mg/kg		J	H, E

Sample Name DLASS-025-0001-SO **AnalysisType:** RES

Lab Sample Name: 870214 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.049	0.008	0.0024	mg/kg		J	H, E

Analysis Method 7471A

Sample Name DLASS-026-0001-SO **AnalysisType:** RES

Lab Sample Name: 870207 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.044	0.0082	0.0025	mg/kg		J	E

Sample Name DLASS-027-0001-SO **AnalysisType:** RES

Lab Sample Name: 870188 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.031	0.0081	0.0025	mg/kg		J	E

Sample Name DLASS-028-0001-SO **AnalysisType:** RES

Lab Sample Name: 870211 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.047	0.008	0.0024	mg/kg		J	H, E

Sample Name DLASS-029-0001-SO **AnalysisType:** RES

Lab Sample Name: 870208 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.054	0.008	0.0024	mg/kg		J	H, E

Sample Name DLASS-030-0001-SO **AnalysisType:** RES

Lab Sample Name: 870204 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.055	0.0082	0.0025	mg/kg		J	E

Analysis Method 8081A

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: L10120103-01 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
4,4'-DDE	72-55-9	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
4,4'-DDT	50-29-3	0.341	1.71	0.341	ug/kg	UQ	J	H, C, $,-, *III, result changed from 0.341
Aldrin	309-00-2	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
alpha Chlordane	5103-71-9	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
alpha-BHC	319-84-6	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
beta-BHC	319-85-7	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
delta-BHC	319-86-8	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
Dieldrin	60-57-1	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
Endosulfan I	959-98-8	0.341	1.71	0.341	ug/kg	UQ	J	H, $,-, C, result changed from 0.341
Endosulfan II	33213-65-9	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
Endosulfan sulfate	1031-07-8	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
Endrin	72-20-8	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
Endrin aldehyde	7421-93-4	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
Endrin ketone	53494-70-5	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
gamma Chlordane	5103-74-2	0.341	1.71	0.341	ug/kg	UQ	J	H, C, $,-,*III, result changed from 0.341
gamma-BHC (Lindane)	58-89-9	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
Heptachlor	76-44-8	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
Heptachlor epoxide	1024-57-3	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C
Methoxychlor	72-43-5	0.341	1.71	0.341	ug/kg	UQ	UJ	H, C

Analysis Method 8081A

Toxaphene	8001-35-2	17.3	34.1	17.3	ug/kg	UQ	UJ	H, C

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: L10120103-04 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
4,4'-DDE	72-55-9	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
4,4'-DDT	50-29-3	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Aldrin	309-00-2	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
alpha Chlordane	5103-71-9	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
alpha-BHC	319-84-6	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
beta-BHC	319-85-7	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
delta-BHC	319-86-8	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Dieldrin	60-57-1	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Endosulfan I	959-98-8	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Endosulfan II	33213-65-9	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Endosulfan sulfate	1031-07-8	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Endrin	72-20-8	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Endrin aldehyde	7421-93-4	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Endrin ketone	53494-70-5	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
gamma Chlordane	5103-74-2	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
gamma-BHC (Lindane)	58-89-9	0.335	1.67	0.335	ug/kg	UQ	NJ	H, C, $, -, *III, result changed from 0.335
Heptachlor	76-44-8	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Heptachlor epoxide	1024-57-3	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Methoxychlor	72-43-5	0.335	1.67	0.335	ug/kg	UQ	UJ	H, C
Toxaphene	8001-35-2	16.9	33.5	16.9	ug/kg	UQ	UJ	H, C

Analysis Method 8081A

Sample Name DLASS-014-0001-SO **AnalysisType:** 1RES

Lab Sample Name: L10110845-01 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
4,4'-DDE	72-55-9	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
4,4'-DDT	50-29-3	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Aldrin	309-00-2	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
alpha-BHC	319-84-6	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
alpha-Chlordane	5103-71-9	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
beta-BHC	319-85-7	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
delta-BHC	319-86-8	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Dieldrin	60-57-1	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Endosulfan I	959-98-8	0.42	0.42	0.42	ug/kg	UQ	J	H, C, result changed from 0.42
Endosulfan II	33213-65-9	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Endosulfan sulfate	1031-07-8	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Endrin	72-20-8	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Endrin aldehyde	7421-93-4	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Endrin ketone	53494-70-5	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
gamma-BHC	58-89-9	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
gamma-Chlordane	5103-74-2	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Heptachlor	76-44-8	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Heptachlor epoxide	1024-57-3	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Methoxychlor	72-43-5	0.42	0.42	0.42	ug/kg	UQ	UJ	H, C
Toxaphene	8001-35-2	21.3	21.3	21.3	ug/kg	UQ	UJ	H, C

Analysis Method 8081A

Sample Name DLASS-014-0003-SO **AnalysisType:** 1RES

Lab Sample Name: L10110845-02 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
4,4'-DDE	72-55-9	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
4,4'-DDT	50-29-3	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Aldrin	309-00-2	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
alpha-BHC	319-84-6	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
alpha-Chlordane	5103-71-9	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
beta-BHC	319-85-7	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
delta-BHC	319-86-8	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Dieldrin	60-57-1	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Endosulfan I	959-98-8	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Endosulfan II	33213-65-9	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Endosulfan sulfate	1031-07-8	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Endrin	72-20-8	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Endrin aldehyde	7421-93-4	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
gamma-BHC	58-89-9	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
gamma-Chlordane	5103-74-2	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Heptachlor	76-44-8	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Heptachlor epoxide	1024-57-3	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Methoxychlor	72-43-5	0.475	0.475	0.475	ug/kg	UQ	UJ	H, C
Toxaphene	8001-35-2	24	24	24	ug/kg	UQ	UJ	H, C

Analysis Method 8081A

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: L10120103-02 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.35	1.75	0.35	ug/kg	U	J	H, C, $, -, result changed from 1.04
4,4'-DDE	72-55-9	0.35	1.75	0.35	ug/kg	U	J	H,C, $, -, *III, result changed from 0.35
4,4'-DDT	50-29-3	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Aldrin	309-00-2	0.35	1.75	0.35	ug/kg	U	J	H, C, $, -, *III, result changed from 0.35
alpha Chlordane	5103-71-9	0.35	1.75	0.35	ug/kg	U	UJ	H, C
alpha-BHC	319-84-6	0.35	1.75	0.35	ug/kg	U	UJ	H, C
beta-BHC	319-85-7	0.35	1.75	0.35	ug/kg	U	UJ	H, C
delta-BHC	319-86-8	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Dieldrin	60-57-1	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Endosulfan I	959-98-8	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Endosulfan II	33213-65-9	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Endosulfan sulfate	1031-07-8	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Endrin	72-20-8	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Endrin aldehyde	7421-93-4	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Endrin ketone	53494-70-5	0.35	1.75	0.35	ug/kg	U	UJ	H, C
gamma Chlordane	5103-74-2	0.35	1.75	0.35	ug/kg	U	UJ	H, C
gamma-BHC (Lindane)	58-89-9	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Heptachlor	76-44-8	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Heptachlor epoxide	1024-57-3	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Methoxychlor	72-43-5	0.35	1.75	0.35	ug/kg	U	UJ	H, C
Toxaphene	8001-35-2	17.7	35	17.7	ug/kg	U	UJ	H, C

Analysis Method 8081A

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: L10120103-03 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.352	1.76	0.352	ug/kg	UQ	NJ	H, C, $, -, *III, result changed from 0.352
4,4'-DDE	72-55-9	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
4,4'-DDT	50-29-3	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Aldrin	309-00-2	0.352	1.76	0.352	ug/kg	UQ	NJ	H, C, $, -, *III, result changed from 0.352
alpha Chlordane	5103-71-9	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
alpha-BHC	319-84-6	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
beta-BHC	319-85-7	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
delta-BHC	319-86-8	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Dieldrin	60-57-1	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Endosulfan I	959-98-8	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Endosulfan II	33213-65-9	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Endosulfan sulfate	1031-07-8	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Endrin	72-20-8	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Endrin aldehyde	7421-93-4	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Endrin ketone	53494-70-5	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
gamma Chlordane	5103-74-2	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
gamma-BHC (Lindane)	58-89-9	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Heptachlor	76-44-8	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Heptachlor epoxide	1024-57-3	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Methoxychlor	72-43-5	0.352	1.76	0.352	ug/kg	UQ	UJ	H, C
Toxaphene	8001-35-2	17.8	35.2	17.8	ug/kg	UQ	UJ	H, C

Analysis Method 8082

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: 870189 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	51	51	10	ug/kg	U	UJ	H, C
Aroclor 1221	11104-28-2	51	51	20	ug/kg	U	UJ	H, C
Aroclor 1232	11141-16-5	51	51	28	ug/kg	U	UJ	H, C
Aroclor 1242	53469-21-9	51	51	30	ug/kg	U	UJ	H, C
Aroclor 1248	12672-29-6	51	51	30	ug/kg	U	UJ	H, C
Aroclor 1254	11097-69-1	51	51	23	ug/kg	U	UJ	H, C
Aroclor 1260	11096-82-5	51	51	12	ug/kg	U	UJ	H, C
Aroclor 1262	37324-23-5	51	51	21	ug/kg	U	UJ	H, C
Aroclor 1268	11100-14-4	51	51	29	ug/kg	U	UJ	H, C

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: 870212 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	50	50	10	ug/kg	U	UJ	H, C
Aroclor 1221	11104-28-2	50	50	20	ug/kg	U	UJ	H, C
Aroclor 1232	11141-16-5	50	50	27	ug/kg	U	UJ	H, C
Aroclor 1242	53469-21-9	50	50	29	ug/kg	U	UJ	H, C
Aroclor 1248	12672-29-6	50	50	29	ug/kg	U	UJ	H, C
Aroclor 1254	11097-69-1	50	50	23	ug/kg	U	UJ	H, C
Aroclor 1260	11096-82-5	50	50	12	ug/kg	U	UJ	H, C
Aroclor 1262	37324-23-5	50	50	21	ug/kg	U	UJ	H, C
Aroclor 1268	11100-14-4	50	50	28	ug/kg	U	UJ	H, C

Analysis Method 8082

Sample Name DLASS-014-0001-SO **AnalysisType:** RES

Lab Sample Name: 870201 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	52	52	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	52	52	21	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	52	52	28	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	52	52	30	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	52	52	30	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	52	52	24	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	52	52	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	52	52	22	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	52	52	29	ug/kg	U	UJ	C

Sample Name DLASS-014-0003-SO **AnalysisType:** RES

Lab Sample Name: 870203 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	52	52	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	52	52	21	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	52	52	28	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	52	52	30	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	52	52	30	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	52	52	24	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	52	52	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	52	52	22	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	52	52	29	ug/kg	U	UJ	C

Analysis Method 8082

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: 870194 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	51	51	10	ug/kg	U	UJ	H, C
Aroclor 1221	11104-28-2	51	51	20	ug/kg	U	UJ	H, C
Aroclor 1232	11141-16-5	51	51	27	ug/kg	U	UJ	H, C
Aroclor 1242	53469-21-9	51	51	29	ug/kg	U	UJ	H, C
Aroclor 1248	12672-29-6	51	51	29	ug/kg	U	UJ	H, C
Aroclor 1254	11097-69-1	51	51	23	ug/kg	U	UJ	H, C
Aroclor 1260	11096-82-5	51	51	12	ug/kg	U	UJ	H, C
Aroclor 1262	37324-23-5	51	51	21	ug/kg	U	UJ	H, C
Aroclor 1268	11100-14-4	51	51	28	ug/kg	U	UJ	H, C

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: 870195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	51	51	10	ug/kg	U	UJ	H, C
Aroclor 1221	11104-28-2	51	51	20	ug/kg	U	UJ	H, C
Aroclor 1232	11141-16-5	51	51	27	ug/kg	U	UJ	H, C
Aroclor 1242	53469-21-9	51	51	29	ug/kg	U	UJ	H, C
Aroclor 1248	12672-29-6	51	51	29	ug/kg	U	UJ	H, C
Aroclor 1254	11097-69-1	51	51	23	ug/kg	U	UJ	H, C
Aroclor 1260	11096-82-5	51	51	12	ug/kg	U	UJ	H, C
Aroclor 1262	37324-23-5	51	51	21	ug/kg	U	UJ	H, C
Aroclor 1268	11100-14-4	51	51	28	ug/kg	U	UJ	H, C

Analysis Method 8270C

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: 870189 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	410	410	21	ug/kg	U	UJ	H, C
1,2-Dichlorobenzene	95-50-1	410	410	25	ug/kg	U	UJ	H, C
1,3-Dichlorobenzene	541-73-1	410	410	20	ug/kg	U	UJ	H, C
1,4-Dichlorobenzene	106-46-7	410	410	19	ug/kg	U	UJ	H, C
2,4,5-Trichlorophenol	95-95-4	510	510	130	ug/kg	U	UJ	H, C
2,4,6-Trichlorophenol	88-06-2	510	510	130	ug/kg	U	UJ	H, C
2,4-Dichlorophenol	120-83-2	510	510	120	ug/kg	U	UJ	H, C
2,4-Dimethylphenol	105-67-9	410	410	100	ug/kg	UM	UJ	H, Q, C
2,4-Dinitrophenol	51-28-5	2000	2000	710	ug/kg	UM	R	L, Q
2,4-Dinitrotoluene	121-14-2	410	410	25	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	410	410	25	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	410	410	24	ug/kg	U	UJ	H, C
2-Chlorophenol	95-57-8	510	510	350	ug/kg	U	UJ	H, C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	280	ug/kg	UM,Y	R	Q
2-Methylnaphthalene	91-57-6	36	410	26	ug/kg	J	J	H, C
2-Methylphenol	95-48-7	1000	1000	430	ug/kg	U	UJ	H, C
2-Nitroaniline	88-74-4	410	410	24	ug/kg	U	UJ	H, C
2-Nitrophenol	88-75-5	510	510	290	ug/kg	U	UJ	H, C
3,3'-Dichlorobenzidine	91-94-1	510	510	150	ug/kg	UM	R	Q
3-Nitroaniline	99-09-2	1000	1000	23	ug/kg	UM	R	Q
4-Bromophenyl phenyl ether	101-55-3	410	410	26	ug/kg	U	UJ	H, C
4-Chloro-3-methylphenol	59-50-7	510	510	390	ug/kg	U	UJ	H, C
4-Chloroaniline	106-47-8	410	410	40	ug/kg	UM	R	Q
4-Chlorophenyl phenyl ether	7005-72-3	410	410	27	ug/kg	U	UJ	H, C
4-Methylphenol	1319-77-3	2000	2000	670	ug/kg	U	UJ	H, C
4-Nitroaniline	100-01-6	1000	1000	31	ug/kg	U	UJ	H, C
4-Nitrophenol	100-02-7	1000	1000	410	ug/kg	U	UJ	H, C
Acenaphthene	83-32-9	410	410	25	ug/kg	U	UJ	H, C

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Acenaphthylene	208-96-8	33	410	25	ug/kg	J	J	H, C
Acetophenone	98-86-2	410	410	77	ug/kg	U	UJ	H, C
Anthracene	120-12-7	97	410	25	ug/kg	J	J	H, C
Benzo(a)anthracene	56-55-3	370	410	26	ug/kg	J	J	H, C
Benzo(a)pyrene	50-32-8	280	410	24	ug/kg	J	J	H, C
Benzo(b)fluoranthene	205-99-2	440	410	26	ug/kg		J	H, C
Benzo(g,h,i)perylene	191-24-2	150	410	23	ug/kg	J	J	H, C
Benzo(k)fluoranthene	207-08-9	170	410	26	ug/kg	J	J	H, C
Benzoic acid	65-85-0	350	2000	300	ug/kg	J	J	H, L, Q, C
Benzyl alcohol	100-51-6	1000	1000	85	ug/kg	U	UJ	H, C
Bis(2-chloroethoxy)methane	111-91-1	410	410	24	ug/kg	U	UJ	H, C
Bis(2-chloroethyl) ether	111-44-4	410	410	26	ug/kg	U	UJ	H, C
Bis(2-chloroisopropyl) ether	108-60-1	410	410	31	ug/kg	U	UJ	H, C
Bis(2-ethylhexyl) phthalate	117-81-7	220	1000	89	ug/kg	J	J	H, C
Butylbenzyl phthalate	85-68-7	410	410	75	ug/kg	U	UJ	H, C
Carbazole	86-74-8	410	410	29	ug/kg	U	UJ	H, C
Chrysene	218-01-9	360	410	26	ug/kg	J	J	H, C
Dibenzo(a,h)anthracene	53-70-3	50	410	23	ug/kg	J	J	H, C
Dibenzofuran	132-64-9	410	410	25	ug/kg	U	UJ	H, C
Diethyl phthalate	84-66-2	410	410	66	ug/kg	U	UJ	H, C
Dimethyl phthalate	131-11-3	410	410	64	ug/kg	U	UJ	H, C
Di-n-butyl phthalate	84-74-2	90	410	81	ug/kg	J	J	H, C
Di-n-octyl phthalate	117-84-0	410	410	60	ug/kg	U	UJ	H, C
Fluoranthene	206-44-0	720	410	27	ug/kg		J	H, C
Fluorene	86-73-7	410	410	26	ug/kg	U	UJ	H, C
Hexachlorobenzene	118-74-1	410	410	29	ug/kg	U	UJ	H, C
Hexachlorobutadiene	87-68-3	410	410	63	ug/kg	U	UJ	H, C
Hexachlorocyclopentadiene	77-47-4	410	410	53	ug/kg	UM,Y	R	Q
Hexachloroethane	67-72-1	410	410	34	ug/kg	U	UJ	H, C
Indeno(1,2,3-cd)pyrene	193-39-5	150	410	24	ug/kg	J	J	H, C
Isophorone	78-59-1	410	410	51	ug/kg	U	UJ	H, C
Naphthalene	91-20-3	27	410	21	ug/kg	J	J	H, C

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Nitrobenzene	98-95-3	410	410	60	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	410	410	72	ug/kg	U	UJ	H, C
N-Nitrosodiphenylamine	86-30-6	820	820	51	ug/kg	U	UJ	H, C
Pentachlorophenol	87-86-5	1000	1000	250	ug/kg	U	R	Q
Phenanthrene	85-01-8	320	410	27	ug/kg	J	J	H, C
Phenol	108-95-2	510	510	160	ug/kg	U	UJ	H, C
Pyrene	129-00-0	570	410	27	ug/kg		J	H, C

Analysis Method 8270C

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: 870212 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	410	410	21	ug/kg	U	UJ	H, C
1,2-Dichlorobenzene	95-50-1	410	410	24	ug/kg	U	UJ	H, C
1,3-Dichlorobenzene	541-73-1	410	410	20	ug/kg	U	UJ	H, C
1,4-Dichlorobenzene	106-46-7	410	410	19	ug/kg	U	UJ	H, C
2,4,5-Trichlorophenol	95-95-4	510	510	130	ug/kg	U	UJ	H, C
2,4,6-Trichlorophenol	88-06-2	510	510	130	ug/kg	U	UJ	H, C
2,4-Dichlorophenol	120-83-2	510	510	120	ug/kg	U	UJ	H, C
2,4-Dimethylphenol	105-67-9	410	410	100	ug/kg	U	UJ	H, C
2,4-Dinitrophenol	51-28-5	2000	2000	700	ug/kg	U	R	L
2,4-Dinitrotoluene	121-14-2	410	410	24	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	410	410	24	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	410	410	23	ug/kg	U	UJ	H, C
2-Chlorophenol	95-57-8	510	510	350	ug/kg	U	UJ	H, C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	270	ug/kg	U	UJ	H, C
2-Methylnaphthalene	91-57-6	40	410	25	ug/kg	J	J	H, C
2-Methylphenol	95-48-7	1000	1000	430	ug/kg	U	UJ	H, C
2-Nitroaniline	88-74-4	410	410	23	ug/kg	U	UJ	H, C
2-Nitrophenol	88-75-5	510	510	280	ug/kg	U	UJ	H, C
3,3'-Dichlorobenzidine	91-94-1	510	510	150	ug/kg	U	UJ	H, C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	H, C
4-Bromophenyl phenyl ether	101-55-3	410	410	25	ug/kg	U	UJ	H, C
4-Chloro-3-methylphenol	59-50-7	510	510	390	ug/kg	U	UJ	H, C
4-Chloroaniline	106-47-8	410	410	40	ug/kg	U	UJ	H, L, C
4-Chlorophenyl phenyl ether	7005-72-3	410	410	26	ug/kg	U	UJ	H, C
4-Methylphenol	1319-77-3	2000	2000	660	ug/kg	U	UJ	H, C
4-Nitroaniline	100-01-6	1000	1000	31	ug/kg	U	UJ	H, C
4-Nitrophenol	100-02-7	1000	1000	410	ug/kg	U	UJ	H, C
Acenaphthene	83-32-9	410	410	24	ug/kg	U	UJ	H, C

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Acenaphthylene	208-96-8	52	410	24	ug/kg	J	J	H, C
Acetophenone	98-86-2	410	410	76	ug/kg	U	UJ	H, C
Anthracene	120-12-7	200	410	24	ug/kg	J	J	H, C
Benzo(a)anthracene	56-55-3	600	410	25	ug/kg		J	H, C
Benzo(a)pyrene	50-32-8	420	410	23	ug/kg		J	H, C
Benzo(b)fluoranthene	205-99-2	690	410	25	ug/kg		J	H, C
Benzo(g,h,i)perylene	191-24-2	190	410	22	ug/kg	J	J	H, C
Benzo(k)fluoranthene	207-08-9	260	410	25	ug/kg	J	J	H, C
Benzoic acid	65-85-0	340	2000	300	ug/kg	J	J	H, L, C
Benzyl alcohol	100-51-6	1000	1000	84	ug/kg	U	UJ	H, C
Bis(2-chloroethoxy)methane	111-91-1	410	410	23	ug/kg	U	UJ	H, C
Bis(2-chloroethyl) ether	111-44-4	410	410	25	ug/kg	U	UJ	H, C
Bis(2-chloroisopropyl) ether	108-60-1	410	410	31	ug/kg	U	UJ	H, C
Bis(2-ethylhexyl) phthalate	117-81-7	1000	1000	89	ug/kg	U	UJ	H, C
Butylbenzyl phthalate	85-68-7	410	410	74	ug/kg	U	UJ	H, C
Carbazole	86-74-8	49	410	28	ug/kg	J	J	H, C
Chrysene	218-01-9	530	410	25	ug/kg		J	H, C
Dibenzo(a,h)anthracene	53-70-3	66	410	22	ug/kg	J	J	H, C
Dibenzofuran	132-64-9	24	410	24	ug/kg	J	J	H, C
Diethyl phthalate	84-66-2	68	410	65	ug/kg	J	J	H, C
Dimethyl phthalate	131-11-3	410	410	64	ug/kg	U	UJ	H, C
Di-n-butyl phthalate	84-74-2	250	410	80	ug/kg	J	J	H, C
Di-n-octyl phthalate	117-84-0	410	410	60	ug/kg	U	UJ	H, C
Fluoranthene	206-44-0	1300	410	26	ug/kg		J	H, C
Fluorene	86-73-7	57	410	25	ug/kg	J	J	H, C
Hexachlorobenzene	118-74-1	410	410	28	ug/kg	U	UJ	H, C
Hexachlorobutadiene	87-68-3	410	410	63	ug/kg	U	UJ	H, C
Hexachlorocyclopentadiene	77-47-4	410	410	53	ug/kg	U	UJ	H, C
Hexachloroethane	67-72-1	410	410	34	ug/kg	U	UJ	H, C
Indeno(1,2,3-cd)pyrene	193-39-5	200	410	23	ug/kg	J	J	H, C
Isophorone	78-59-1	410	410	51	ug/kg	U	UJ	H, C
Naphthalene	91-20-3	33	410	21	ug/kg	J	J	H, C

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Nitrobenzene	98-95-3	410	410	60	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	410	410	71	ug/kg	U	UJ	H, C
N-Nitrosodiphenylamine	86-30-6	810	810	51	ug/kg	U	UJ	H, C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	H, C
Phenanthrene	85-01-8	580	410	26	ug/kg		J	H, C
Phenol	108-95-2	510	510	160	ug/kg	U	UJ	H, C
Pyrene	129-00-0	990	410	26	ug/kg		J	H, C

Analysis Method 8270C

Sample Name DLASS-014-0001-SO **AnalysisType:** RES

Lab Sample Name: 870201 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	410	410	22	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	410	410	25	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	410	410	21	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	410	410	20	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	520	520	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	520	520	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	520	520	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	410	410	100	ug/kg	U	UJ	C
2,4-Dinitrophenol	51-28-5	2100	2100	710	ug/kg	U	R	Q
2,4-Dinitrotoluene	121-14-2	410	410	25	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	410	410	25	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	410	410	24	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	520	520	350	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	280	ug/kg	U	UJ	C
2-Methylnaphthalene	91-57-6	35	410	26	ug/kg	J	J	C
2-Methylphenol	95-48-7	1000	1000	440	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	410	410	24	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	520	520	290	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	520	520	160	ug/kg	UM	R	Q
3-Nitroaniline	99-09-2	1000	1000	23	ug/kg	UM	UJ	C
4-Bromophenyl phenyl ether	101-55-3	410	410	26	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	520	520	390	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	410	410	40	ug/kg	UM	R	L, Q
4-Chlorophenyl phenyl ether	7005-72-3	410	410	27	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2100	2100	670	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	31	ug/kg	UM	R	Q
4-Nitrophenol	100-02-7	1000	1000	410	ug/kg	U	UJ	C
Acenaphthene	83-32-9	410	410	25	ug/kg	U	UJ	C

Analysis Method 8270C

Acenaphthylene	208-96-8	410	410	25	ug/kg	U	UJ	C
Acetophenone	98-86-2	410	410	78	ug/kg	U	UJ	C
Anthracene	120-12-7	37	410	25	ug/kg	J	J	C
Benzo(a)anthracene	56-55-3	190	410	26	ug/kg	J	J	C
Benzo(a)pyrene	50-32-8	180	410	24	ug/kg	J	J	C
Benzo(b)fluoranthene	205-99-2	300	410	26	ug/kg	J	J	C
Benzo(g,h,i)perylene	191-24-2	120	410	23	ug/kg	J	J	C
Benzo(k)fluoranthene	207-08-9	130	410	26	ug/kg	J	J	C
Benzoic acid	65-85-0	980	2100	300	ug/kg	JM	R	Q
Benzyl alcohol	100-51-6	1000	1000	86	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	410	410	24	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	410	410	26	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	410	410	31	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	900	1000	90	ug/kg	J	J	C
Butylbenzyl phthalate	85-68-7	410	410	76	ug/kg	U	UJ	C
Carbazole	86-74-8	32	410	29	ug/kg	J	J	C
Chrysene	218-01-9	210	410	26	ug/kg	J	J	C
Dibenzo(a,h)anthracene	53-70-3	35	410	23	ug/kg	J	J	C
Dibenzofuran	132-64-9	410	410	25	ug/kg	U	UJ	C
Diethyl phthalate	84-66-2	410	410	66	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	410	410	65	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	120	410	82	ug/kg	J	J	C
Di-n-octyl phthalate	117-84-0	410	410	61	ug/kg	U	UJ	C
Fluoranthene	206-44-0	480	410	27	ug/kg		J	C
Fluorene	86-73-7	410	410	26	ug/kg	U	UJ	C
Hexachlorobenzene	118-74-1	410	410	29	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	410	410	64	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	410	410	54	ug/kg	U	UJ	Q, C
Hexachloroethane	67-72-1	410	410	34	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	120	410	24	ug/kg	J	J	C
Isophorone	78-59-1	410	410	52	ug/kg	U	UJ	C
Naphthalene	91-20-3	30	410	22	ug/kg	J	J	C

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Nitrobenzene	98-95-3	410	410	61	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	410	410	73	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	830	830	52	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	250	ug/kg	U	UJ	L, C
Phenanthrene	85-01-8	250	410	27	ug/kg	J	J	C
Phenol	108-95-2	520	520	170	ug/kg	U	UJ	C
Pyrene	129-00-0	370	410	27	ug/kg	J	J	C

Analysis Method 8270C

Sample Name DLASS-014-0003-SO **AnalysisType:** RES

Lab Sample Name: 870203 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	420	420	22	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	420	420	25	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	420	420	21	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	420	420	20	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	520	520	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	520	520	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	520	520	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	420	420	100	ug/kg	U	UJ	C
2,4-Dinitrophenol	51-28-5	2100	2100	720	ug/kg	U	UJ	C
2,4-Dinitrotoluene	121-14-2	420	420	25	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	420	420	25	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	420	420	24	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	520	520	350	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	280	ug/kg	U	UJ	C
2-Methylnaphthalene	91-57-6	28	420	26	ug/kg	J	J	C
2-Methylphenol	95-48-7	1000	1000	440	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	420	420	24	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	520	520	290	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	520	520	160	ug/kg	U	UJ	C
3-Nitroaniline	99-09-2	1000	1000	23	ug/kg	U	UJ	C
4-Bromophenyl phenyl ether	101-55-3	420	420	26	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	520	520	390	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	420	420	40	ug/kg	U	R	L
4-Chlorophenyl phenyl ether	7005-72-3	420	420	27	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2100	2100	670	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	31	ug/kg	U	UJ	C
4-Nitrophenol	100-02-7	1000	1000	420	ug/kg	U	UJ	C
Acenaphthene	83-32-9	420	420	25	ug/kg	U	UJ	C

Analysis Method 8270C

Acenaphthylene	208-96-8	420	420	25	ug/kg	U	UJ	C
Acetophenone	98-86-2	420	420	78	ug/kg	U	UJ	C
Anthracene	120-12-7	38	420	25	ug/kg	J	J	C
Benzo(a)anthracene	56-55-3	180	420	26	ug/kg	J	J	C
Benzo(a)pyrene	50-32-8	170	420	24	ug/kg	J	J	C
Benzo(b)fluoranthene	205-99-2	250	420	26	ug/kg	J	J	C
Benzo(g,h,i)perylene	191-24-2	100	420	23	ug/kg	J	J	C
Benzo(k)fluoranthene	207-08-9	110	420	26	ug/kg	J	J	C
Benzoic acid	65-85-0	560	2100	300	ug/kg	J	J	L, C
Benzyl alcohol	100-51-6	1000	1000	86	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	420	420	24	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	420	420	26	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	420	420	31	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	290	1000	90	ug/kg	J	J	C
Butylbenzyl phthalate	85-68-7	420	420	76	ug/kg	U	UJ	C
Carbazole	86-74-8	37	420	29	ug/kg	J	J	C
Chrysene	218-01-9	210	420	26	ug/kg	J	J	C
Dibenzo(a,h)anthracene	53-70-3	29	420	23	ug/kg	J	J	C
Dibenzofuran	132-64-9	420	420	25	ug/kg	U	UJ	C
Diethyl phthalate	84-66-2	420	420	66	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	420	420	65	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	96	420	82	ug/kg	J	J	C
Di-n-octyl phthalate	117-84-0	420	420	61	ug/kg	U	UJ	C
Fluoranthene	206-44-0	480	420	27	ug/kg		J	C
Fluorene	86-73-7	420	420	26	ug/kg	U	UJ	C
Hexachlorobenzene	118-74-1	420	420	29	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	420	420	64	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	420	420	54	ug/kg	U	UJ	C
Hexachloroethane	67-72-1	420	420	34	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	95	420	24	ug/kg	J	J	C
Isophorone	78-59-1	420	420	52	ug/kg	U	UJ	C
Naphthalene	91-20-3	24	420	22	ug/kg	J	J	C

Analysis Method 8270C

Nitrobenzene	98-95-3	420	420	61	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	420	420	73	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	830	830	52	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	250	ug/kg	U	UJ	L, C
Phenanthrene	85-01-8	250	420	27	ug/kg	J	J	C
Phenol	108-95-2	520	520	170	ug/kg	U	UJ	C
Pyrene	129-00-0	360	420	27	ug/kg	J	J	C

Analysis Method 8270C

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: 870194 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	410	410	21	ug/kg	U	UJ	H, C
1,2-Dichlorobenzene	95-50-1	410	410	24	ug/kg	U	UJ	H, C
1,3-Dichlorobenzene	541-73-1	410	410	20	ug/kg	U	UJ	H, C
1,4-Dichlorobenzene	106-46-7	410	410	19	ug/kg	U	UJ	H, C
2,4,5-Trichlorophenol	95-95-4	510	510	130	ug/kg	U	UJ	H, C
2,4,6-Trichlorophenol	88-06-2	510	510	130	ug/kg	U	UJ	H, C
2,4-Dichlorophenol	120-83-2	510	510	120	ug/kg	U	UJ	H, C
2,4-Dimethylphenol	105-67-9	410	410	100	ug/kg	U	UJ	H, C
2,4-Dinitrophenol	51-28-5	2000	2000	700	ug/kg	U	R	L
2,4-Dinitrotoluene	121-14-2	410	410	24	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	410	410	24	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	410	410	23	ug/kg	U	UJ	H, C
2-Chlorophenol	95-57-8	510	510	350	ug/kg	U	UJ	H, C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	270	ug/kg	U	UJ	H, C
2-Methylnaphthalene	91-57-6	140	410	25	ug/kg	J	J	H, C
2-Methylphenol	95-48-7	1000	1000	430	ug/kg	U	UJ	H, C
2-Nitroaniline	88-74-4	410	410	23	ug/kg	U	UJ	H, C
2-Nitrophenol	88-75-5	510	510	280	ug/kg	U	UJ	H, C
3,3'-Dichlorobenzidine	91-94-1	510	510	150	ug/kg	U	UJ	H, C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	H, C
4-Bromophenyl phenyl ether	101-55-3	410	410	25	ug/kg	U	UJ	H, C
4-Chloro-3-methylphenol	59-50-7	510	510	390	ug/kg	U	UJ	H, C
4-Chloroaniline	106-47-8	410	410	40	ug/kg	U	UJ	H, L, C
4-Chlorophenyl phenyl ether	7005-72-3	410	410	26	ug/kg	U	UJ	H, C
4-Methylphenol	1319-77-3	2000	2000	660	ug/kg	U	UJ	H, C
4-Nitroaniline	100-01-6	1000	1000	30	ug/kg	U	UJ	H, C
4-Nitrophenol	100-02-7	1000	1000	410	ug/kg	U	UJ	H, C
Acenaphthene	83-32-9	410	410	24	ug/kg	U	UJ	H, C

Analysis Method 8270C

Acenaphthylene	208-96-8	410	410	24	ug/kg	U	UJ	H, C
Acetophenone	98-86-2	410	410	76	ug/kg	U	UJ	H, C
Anthracene	120-12-7	410	410	24	ug/kg	U	UJ	H, C
Benzo(a)anthracene	56-55-3	100	410	25	ug/kg	J	J	H, C
Benzo(a)pyrene	50-32-8	85	410	23	ug/kg	J	J	H, C
Benzo(b)fluoranthene	205-99-2	160	410	25	ug/kg	J	J	H, C
Benzo(g,h,i)perylene	191-24-2	52	410	22	ug/kg	J	J	H, C
Benzo(k)fluoranthene	207-08-9	46	410	25	ug/kg	J	J	H, C
Benzoic acid	65-85-0	420	2000	300	ug/kg	J	J	H, L, C
Benzyl alcohol	100-51-6	1000	1000	84	ug/kg	U	UJ	H, C
Bis(2-chloroethoxy)methane	111-91-1	410	410	23	ug/kg	U	UJ	H, C
Bis(2-chloroethyl) ether	111-44-4	410	410	25	ug/kg	U	UJ	H, C
Bis(2-chloroisopropyl) ether	108-60-1	410	410	30	ug/kg	U	UJ	H, C
Bis(2-ethylhexyl) phthalate	117-81-7	110	1000	88	ug/kg	J	J	H, C
Butylbenzyl phthalate	85-68-7	410	410	74	ug/kg	U	UJ	H, C
Carbazole	86-74-8	410	410	28	ug/kg	U	UJ	H, C
Chrysene	218-01-9	100	410	25	ug/kg	J	J	H, C
Dibenzo(a,h)anthracene	53-70-3	410	410	22	ug/kg	U	UJ	H, C
Dibenzofuran	132-64-9	34	410	24	ug/kg	J	J	H, C
Diethyl phthalate	84-66-2	67	410	65	ug/kg	J	J	H, C
Dimethyl phthalate	131-11-3	410	410	64	ug/kg	U	UJ	H, C
Di-n-butyl phthalate	84-74-2	250	410	80	ug/kg	J	J	H, C
Di-n-octyl phthalate	117-84-0	410	410	60	ug/kg	U	UJ	H, C
Fluoranthene	206-44-0	170	410	26	ug/kg	J	J	H, C
Fluorene	86-73-7	410	410	25	ug/kg	U	UJ	H, C
Hexachlorobenzene	118-74-1	410	410	28	ug/kg	U	UJ	H, C
Hexachlorobutadiene	87-68-3	410	410	63	ug/kg	U	UJ	H, C
Hexachlorocyclopentadiene	77-47-4	410	410	53	ug/kg	U	UJ	H, C
Hexachloroethane	67-72-1	410	410	34	ug/kg	U	UJ	H, C
Indeno(1,2,3-cd)pyrene	193-39-5	50	410	23	ug/kg	J	J	H, C
Isophorone	78-59-1	410	410	51	ug/kg	U	UJ	H, C
Naphthalene	91-20-3	96	410	21	ug/kg	J	J	H, C

Analysis Method 8270C

Nitrobenzene	98-95-3	410	410	60	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	410	410	71	ug/kg	U	UJ	H, C
N-Nitrosodiphenylamine	86-30-6	810	810	51	ug/kg	U	UJ	H, C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	H, C
Phenanthrene	85-01-8	110	410	26	ug/kg	J	J	H, C
Phenol	108-95-2	510	510	160	ug/kg	U	UJ	H, C
Pyrene	129-00-0	140	410	26	ug/kg	J	J	H, C

Analysis Method 8270C

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: 870195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	410	410	21	ug/kg	U	UJ	H, C
1,2-Dichlorobenzene	95-50-1	410	410	24	ug/kg	U	UJ	H, C
1,3-Dichlorobenzene	541-73-1	410	410	20	ug/kg	U	UJ	H, C
1,4-Dichlorobenzene	106-46-7	410	410	19	ug/kg	U	UJ	H, C
2,4,5-Trichlorophenol	95-95-4	510	510	130	ug/kg	U	UJ	H, C
2,4,6-Trichlorophenol	88-06-2	510	510	130	ug/kg	U	UJ	H, C
2,4-Dichlorophenol	120-83-2	510	510	120	ug/kg	U	UJ	H, C
2,4-Dimethylphenol	105-67-9	410	410	100	ug/kg	U	UJ	H, C
2,4-Dinitrophenol	51-28-5	2000	2000	700	ug/kg	U	R	L
2,4-Dinitrotoluene	121-14-2	410	410	24	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	410	410	24	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	410	410	23	ug/kg	U	UJ	H, C
2-Chlorophenol	95-57-8	510	510	350	ug/kg	U	UJ	H, C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	270	ug/kg	U	UJ	H, C
2-Methylnaphthalene	91-57-6	160	410	25	ug/kg	J	J	H, C
2-Methylphenol	95-48-7	1000	1000	430	ug/kg	U	UJ	H, C
2-Nitroaniline	88-74-4	410	410	23	ug/kg	U	UJ	H, C
2-Nitrophenol	88-75-5	510	510	290	ug/kg	U	UJ	H, C
3,3'-Dichlorobenzidine	91-94-1	510	510	150	ug/kg	U	UJ	H, C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	H, C
4-Bromophenyl phenyl ether	101-55-3	410	410	25	ug/kg	U	UJ	H, C
4-Chloro-3-methylphenol	59-50-7	510	510	390	ug/kg	U	UJ	H, C
4-Chloroaniline	106-47-8	410	410	40	ug/kg	U	UJ	H, L, C
4-Chlorophenyl phenyl ether	7005-72-3	410	410	26	ug/kg	U	UJ	H, C
4-Methylphenol	1319-77-3	2000	2000	660	ug/kg	U	UJ	H, C
4-Nitroaniline	100-01-6	1000	1000	31	ug/kg	U	UJ	H, C
4-Nitrophenol	100-02-7	1000	1000	410	ug/kg	U	UJ	H, C
Acenaphthene	83-32-9	410	410	24	ug/kg	U	UJ	H, C

Analysis Method 8270C

Acenaphthylene	208-96-8	410	410	24	ug/kg	U	UJ	H, C
Acetophenone	98-86-2	410	410	76	ug/kg	U	UJ	H, C
Anthracene	120-12-7	410	410	24	ug/kg	U	UJ	H, C
Benzo(a)anthracene	56-55-3	110	410	25	ug/kg	J	J	H, C
Benzo(a)pyrene	50-32-8	87	410	23	ug/kg	J	J	H, C
Benzo(b)fluoranthene	205-99-2	170	410	25	ug/kg	J	J	H, C
Benzo(g,h,i)perylene	191-24-2	56	410	22	ug/kg	J	J	H, C
Benzo(k)fluoranthene	207-08-9	73	410	25	ug/kg	J	J	H, C
Benzoic acid	65-85-0	430	2000	300	ug/kg	J	J	H, L, C
Benzyl alcohol	100-51-6	1000	1000	85	ug/kg	U	UJ	H, C
Bis(2-chloroethoxy)methane	111-91-1	410	410	23	ug/kg	U	UJ	H, C
Bis(2-chloroethyl) ether	111-44-4	410	410	25	ug/kg	U	UJ	H, C
Bis(2-chloroisopropyl) ether	108-60-1	410	410	31	ug/kg	U	UJ	H, C
Bis(2-ethylhexyl) phthalate	117-81-7	130	1000	89	ug/kg	J	J	H, C
Butylbenzyl phthalate	85-68-7	410	410	74	ug/kg	U	UJ	H, C
Carbazole	86-74-8	410	410	29	ug/kg	U	UJ	H, C
Chrysene	218-01-9	120	410	25	ug/kg	J	J	H, C
Dibenzo(a,h)anthracene	53-70-3	410	410	22	ug/kg	U	UJ	H, C
Dibenzofuran	132-64-9	40	410	24	ug/kg	J	J	H, C
Diethyl phthalate	84-66-2	89	410	65	ug/kg	J	J	H, C
Dimethyl phthalate	131-11-3	410	410	64	ug/kg	U	UJ	H, C
Di-n-butyl phthalate	84-74-2	320	410	80	ug/kg	J	J	H, C
Di-n-octyl phthalate	117-84-0	410	410	60	ug/kg	U	UJ	H, C
Fluoranthene	206-44-0	200	410	26	ug/kg	J	J	H, C
Fluorene	86-73-7	410	410	25	ug/kg	U	UJ	H, C
Hexachlorobenzene	118-74-1	410	410	29	ug/kg	U	UJ	H, C
Hexachlorobutadiene	87-68-3	410	410	63	ug/kg	U	UJ	H, C
Hexachlorocyclopentadiene	77-47-4	410	410	53	ug/kg	U	UJ	H, C
Hexachloroethane	67-72-1	410	410	34	ug/kg	U	UJ	H, C
Indeno(1,2,3-cd)pyrene	193-39-5	50	410	23	ug/kg	J	J	H, C
Isophorone	78-59-1	410	410	51	ug/kg	U	UJ	H, C
Naphthalene	91-20-3	110	410	21	ug/kg	J	J	H, C

Analysis Method 8270C

Nitrobenzene	98-95-3	410	410	60	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	410	410	71	ug/kg	U	UJ	H, C
N-Nitrosodiphenylamine	86-30-6	810	810	51	ug/kg	U	UJ	H, C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	H, C
Phenanthrene	85-01-8	140	410	26	ug/kg	J	J	H, C
Phenol	108-95-2	510	510	160	ug/kg	U	UJ	H, C
Pyrene	129-00-0	160	410	26	ug/kg	J	J	H, C

Analysis Method 8330B

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: 870189 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.44	0.44	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.44	0.44	0.081	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.44	0.44	0.091	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.44	0.44	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.51	0.51	0.071	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.44	0.44	0.051	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.44	0.44	0.091	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.44	0.44	0.071	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.44	0.44	0.071	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.51	0.51	0.071	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.44	0.44	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.44	0.44	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.51	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.51	mg/kg	U	UJ	H, C
RDX	121-82-4	0.44	0.44	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.44	0.44	0.091	mg/kg	U	UJ	H, C

Analysis Method 8330B

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: 870212 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.44	0.44	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.44	0.44	0.08	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.44	0.44	0.09	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.44	0.44	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.5	0.5	0.07	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.44	0.44	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.44	0.44	0.09	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.5	0.5	0.07	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.44	0.44	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.44	0.44	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.5	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.44	0.44	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.44	0.44	0.09	mg/kg	U	UJ	H, C

Analysis Method 8330B

Sample Name DLASS-014-0001-SO **AnalysisType:** RES

Lab Sample Name: 870201 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.43	0.43	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.43	0.43	0.079	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.43	0.43	0.089	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.43	0.43	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.49	0.49	0.069	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.43	0.43	0.049	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.43	0.43	0.089	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.43	0.43	0.069	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.43	0.43	0.069	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.49	0.49	0.069	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.43	0.43	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.43	0.43	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.49	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.49	mg/kg	U	UJ	H, C
RDX	121-82-4	0.43	0.43	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.43	0.43	0.089	mg/kg	U	UJ	H, C

Analysis Method 8330B

Sample Name DLASS-014-0003-SO **AnalysisType:** RES

Lab Sample Name: 870203 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.44	0.44	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.44	0.44	0.08	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.44	0.44	0.09	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.44	0.44	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.5	0.5	0.07	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.44	0.44	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.44	0.44	0.09	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.5	0.5	0.07	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.44	0.44	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.44	0.44	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.5	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.44	0.44	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.44	0.44	0.09	mg/kg	U	UJ	H, C

Analysis Method 8330B

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: 870194 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.44	0.44	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.44	0.44	0.081	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.44	0.44	0.091	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.44	0.44	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.5	0.5	0.071	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.44	0.44	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.44	0.44	0.091	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.44	0.44	0.071	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.44	0.44	0.071	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.5	0.5	0.071	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.44	0.44	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.44	0.44	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.5	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.44	0.44	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.44	0.44	0.091	mg/kg	U	UJ	H, C

Analysis Method 8330B

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: 870195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.44	0.44	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.44	0.44	0.081	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.44	0.44	0.091	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.44	0.44	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.5	0.5	0.071	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.44	0.44	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.44	0.44	0.091	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.44	0.44	0.071	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.44	0.44	0.071	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.5	0.5	0.071	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.44	0.44	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.44	0.44	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.5	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.44	0.44	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.44	0.44	0.091	mg/kg	U	UJ	H, C

Analysis Method 8330B-NG

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: 870189 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.11	0.16	0.06	mg/kg	JP	J-	H, *III, C

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: 870212 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.29	0.16	0.061	mg/kg	P	J-	H, *III, C

Sample Name DLASS-014-0001-SO **AnalysisType:** RES

Lab Sample Name: 870201 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.3	0.16	0.059	mg/kg	P	J-	H, *III, C

Sample Name DLASS-014-0003-SO **AnalysisType:** RES

Lab Sample Name: 870203 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.24	0.16	0.06	mg/kg	P	J-	H, *III, C

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: 870194 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.67	0.16	0.059	mg/kg	P	J-	H, *III, C

Analysis Method 8330B-NG

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: 870195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.63	0.16	0.059	mg/kg	P	J-	H, *III, C

Analysis Method 9056M

Sample Name DLASS-002-0001-SO **AnalysisType:** RES

Lab Sample Name: 870189 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C

Sample Name DLASS-002-0003-SO **AnalysisType:** RES

Lab Sample Name: 870212 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C

Sample Name DLASS-014-0001-SO **AnalysisType:** RES

Lab Sample Name: 870201 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C,H

Sample Name DLASS-014-0003-SO **AnalysisType:** RES

Lab Sample Name: 870203 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C,H

Sample Name DLASS-022-0001-SO **AnalysisType:** RES

Lab Sample Name: 870194 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C,H

Analysis Method 9056M

Sample Name DLASS-022-0003-SO **AnalysisType:** RES

Lab Sample Name: 870195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C,H

Validated Sample Result Forms: 82458

Analysis Method 6010C

Sample Name DLASS-031-0001-SO **AnalysisType:** RES

Lab Sample Name: 871189 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	7250	0.25	0.082	mg/kg			
Antimony	7440-36-0	0.55	0.55	0.16	mg/kg	UV	UJ	B, $, MDL changed from 0.16
Arsenic	7440-38-2	11.7	0.92	0.27	mg/kg			
Barium	7440-39-3	180	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.6	0.025	0.0082	mg/kg			
Cadmium	7440-43-9	2.6	0.043	0.012	mg/kg			
Calcium	7440-70-2	48600	1	0.12	mg/kg	B		
Chromium	7440-47-3	18.8	0.32	0.097	mg/kg			
Cobalt	7440-48-4	10	0.25	0.077	mg/kg			
Copper	7440-50-8	12.9	0.41	0.12	mg/kg	B		
Iron	7439-89-6	25700	2	0.61	mg/kg			
Lead	7439-92-1	32.3	0.29	0.082	mg/kg			
Magnesium	7439-95-4	2180	0.82	0.25	mg/kg	B	J	*III
Manganese	7439-96-5	868	0.1	0.033	mg/kg			
Nickel	7440-02-0	21.8	0.31	0.092	mg/kg			
Selenium	7782-49-2	0.86	0.86	0.14	mg/kg	UV	U	
Silver	7440-22-4	0.17	0.11	0.035	mg/kg			
Thallium	7440-28-0	0.72	0.72	0.2	mg/kg	UV	U	
Vanadium	7440-62-2	15.9	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	174	0.25	0.082	mg/kg			

Analysis Method 6010C

Sample Name DLASS-032-0001-SO **AnalysisType:** RES

Lab Sample Name: 871198 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	8040	0.24	0.081	mg/kg			
Antimony	7440-36-0	1.4	1.4	0.41	mg/kg	UV	UJ	B
Arsenic	7440-38-2	12.9	0.92	0.26	mg/kg			
Barium	7440-39-3	317	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.89	0.024	0.0081	mg/kg			
Cadmium	7440-43-9	1.6	0.043	0.012	mg/kg			
Calcium	7440-70-2	72600	2.5	0.31	mg/kg			
Chromium	7440-47-3	103	0.32	0.097	mg/kg			
Cobalt	7440-48-4	10.2	0.25	0.076	mg/kg			
Copper	7440-50-8	16.2	1	0.31	mg/kg			
Iron	7439-89-6	28400	2	0.61	mg/kg			
Lead	7439-92-1	22.4	0.71	0.2	mg/kg			
Magnesium	7439-95-4	2580	0.81	0.24	mg/kg	B		
Manganese	7439-96-5	1350	0.25	0.081	mg/kg			
Nickel	7440-02-0	23	0.31	0.092	mg/kg			
Selenium	7782-49-2	2.3	0.86	0.14	mg/kg			
Silver	7440-22-4	0.22	0.11	0.035	mg/kg			
Thallium	7440-28-0	1.1	0.71	0.2	mg/kg		J	B
Vanadium	7440-62-2	17.5	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	60.6	0.24	0.081	mg/kg			

Analysis Method 6010C

Sample Name DLASS-032-0003-SO **AnalysisType:** RES

Lab Sample Name: 871184 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	7340	0.24	0.082	mg/kg			
Antimony	7440-36-0	0.22	0.55	0.16	mg/kg	JV	J	B
Arsenic	7440-38-2	12.5	0.92	0.27	mg/kg			
Barium	7440-39-3	195	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.74	0.024	0.0082	mg/kg			
Cadmium	7440-43-9	1.4	0.043	0.012	mg/kg			
Calcium	7440-70-2	64900	2.5	0.31	mg/kg			
Chromium	7440-47-3	19.8	0.32	0.097	mg/kg			
Cobalt	7440-48-4	9.1	0.25	0.076	mg/kg			
Copper	7440-50-8	13.4	0.41	0.12	mg/kg	B		
Iron	7439-89-6	25200	2	0.61	mg/kg			
Lead	7439-92-1	30.3	0.29	0.082	mg/kg			
Magnesium	7439-95-4	2310	0.82	0.24	mg/kg	B	J	*III
Manganese	7439-96-5	1070	0.1	0.033	mg/kg			
Nickel	7440-02-0	18.5	0.31	0.092	mg/kg			
Selenium	7782-49-2	2	0.86	0.14	mg/kg			
Silver	7440-22-4	0.2	0.11	0.035	mg/kg			
Thallium	7440-28-0	0.75	0.71	0.2	mg/kg			
Vanadium	7440-62-2	16.5	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	53.5	0.24	0.082	mg/kg			

Analysis Method 6010C

Sample Name DLASS-034-0001-SO **AnalysisType:** RES

Lab Sample Name: 871192 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	7840	0.24	0.081	mg/kg			
Antimony	7440-36-0	0.69	0.55	0.16	mg/kg			
Arsenic	7440-38-2	8.6	0.92	0.26	mg/kg			
Barium	7440-39-3	96.7	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.49	0.024	0.0081	mg/kg			
Cadmium	7440-43-9	0.79	0.043	0.012	mg/kg			
Calcium	7440-70-2	38000	1	0.12	mg/kg	B		
Chromium	7440-47-3	65.6	0.32	0.097	mg/kg			
Cobalt	7440-48-4	8	0.25	0.076	mg/kg			
Copper	7440-50-8	10.7	0.41	0.12	mg/kg	B		
Iron	7439-89-6	18000	2	0.61	mg/kg			
Lead	7439-92-1	21.6	0.29	0.081	mg/kg			
Magnesium	7439-95-4	1850	0.81	0.24	mg/kg	B		
Manganese	7439-96-5	687	0.1	0.033	mg/kg			
Nickel	7440-02-0	16.2	0.31	0.092	mg/kg			
Selenium	7782-49-2	2.1	0.86	0.14	mg/kg			
Silver	7440-22-4	0.12	0.11	0.035	mg/kg			
Thallium	7440-28-0	0.41	0.71	0.2	mg/kg	JV	U	B
Vanadium	7440-62-2	16.9	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	41	0.24	0.081	mg/kg			

Analysis Method 6010C

Sample Name DLASS-035-0001-SO **AnalysisType:** RES

Lab Sample Name: 871187 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	8620	0.24	0.082	mg/kg			
Antimony	7440-36-0	1.2	0.55	0.16	mg/kg			
Arsenic	7440-38-2	9.5	0.92	0.27	mg/kg			
Barium	7440-39-3	90.3	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.49	0.024	0.0082	mg/kg			
Cadmium	7440-43-9	0.92	0.043	0.012	mg/kg			
Calcium	7440-70-2	24600	1	0.12	mg/kg	B		
Chromium	7440-47-3	70.8	0.32	0.097	mg/kg			
Cobalt	7440-48-4	8	0.25	0.077	mg/kg			
Copper	7440-50-8	12	0.41	0.12	mg/kg	B		
Iron	7439-89-6	20200	2	0.61	mg/kg			
Lead	7439-92-1	22.4	0.29	0.082	mg/kg			
Magnesium	7439-95-4	1840	0.82	0.24	mg/kg	B	J	*III
Manganese	7439-96-5	893	0.1	0.033	mg/kg			
Nickel	7440-02-0	13.6	0.31	0.092	mg/kg			
Selenium	7782-49-2	1.7	0.86	0.14	mg/kg			
Silver	7440-22-4	0.16	0.11	0.035	mg/kg			
Thallium	7440-28-0	0.32	0.71	0.2	mg/kg	JV	J	
Vanadium	7440-62-2	19.2	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	49	0.24	0.082	mg/kg			

Analysis Method 6010C

Sample Name DLASS-036-0001-SO **AnalysisType:** RES

Lab Sample Name: 871188 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	8030	0.25	0.082	mg/kg			
Antimony	7440-36-0	0.89	0.55	0.16	mg/kg			
Arsenic	7440-38-2	14.2	0.92	0.27	mg/kg			
Barium	7440-39-3	527	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	1.2	0.025	0.0082	mg/kg			
Cadmium	7440-43-9	1.7	0.043	0.012	mg/kg			
Calcium	7440-70-2	209000	5.1	0.61	mg/kg	B		
Chromium	7440-47-3	42.1	0.32	0.097	mg/kg			
Cobalt	7440-48-4	7.5	0.25	0.077	mg/kg			
Copper	7440-50-8	14	0.41	0.12	mg/kg	B		
Iron	7439-89-6	28500	2	0.61	mg/kg			
Lead	7439-92-1	46.9	0.29	0.082	mg/kg			
Magnesium	7439-95-4	5370	0.82	0.25	mg/kg	B	J	*III
Manganese	7439-96-5	1310	0.1	0.033	mg/kg			
Nickel	7440-02-0	21.5	0.31	0.092	mg/kg			
Selenium	7782-49-2	1.1	4.3	0.72	mg/kg	JV	J	B
Silver	7440-22-4	0.29	0.11	0.035	mg/kg			
Thallium	7440-28-0	1.7	0.72	0.2	mg/kg			
Vanadium	7440-62-2	10.7	0.07	0.023	mg/kg	B		
Zinc	7440-66-6	62.9	0.25	0.082	mg/kg			

Analysis Method 6010C

Sample Name DLASS-037-0001-SO **AnalysisType:** RES

Lab Sample Name: 871191 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	5620	0.25	0.082	mg/kg			
Antimony	7440-36-0	0.58	0.55	0.16	mg/kg			
Arsenic	7440-38-2	10.7	0.92	0.27	mg/kg			
Barium	7440-39-3	432	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.64	0.025	0.0082	mg/kg			
Cadmium	7440-43-9	1.8	0.043	0.012	mg/kg			
Calcium	7440-70-2	127000	5.1	0.61	mg/kg	B		
Chromium	7440-47-3	40.5	0.32	0.097	mg/kg			
Cobalt	7440-48-4	8.2	0.25	0.077	mg/kg			
Copper	7440-50-8	12.6	0.41	0.12	mg/kg	B		
Iron	7439-89-6	27600	2	0.61	mg/kg			
Lead	7439-92-1	33.6	0.29	0.082	mg/kg			
Magnesium	7439-95-4	2670	0.82	0.25	mg/kg	B		
Manganese	7439-96-5	838	0.1	0.033	mg/kg			
Nickel	7440-02-0	22.8	0.31	0.092	mg/kg			
Selenium	7782-49-2	0.86	0.86	0.14	mg/kg	UV	UJ	B
Silver	7440-22-4	0.2	0.11	0.035	mg/kg			
Thallium	7440-28-0	1.6	0.72	0.2	mg/kg			
Vanadium	7440-62-2	12.3	0.07	0.022	mg/kg	B		
Zinc	7440-66-6	61.9	0.25	0.082	mg/kg			

Analysis Method 6010C

Sample Name DLASS-038-0001-SO **AnalysisType:** RES

Lab Sample Name: 871193 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	7800	0.24	0.082	mg/kg			
Antimony	7440-36-0	1.4	1.4	0.41	mg/kg	UV	UJ	B
Arsenic	7440-38-2	10.3	0.92	0.27	mg/kg			
Barium	7440-39-3	95.8	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.68	0.024	0.0082	mg/kg			
Cadmium	7440-43-9	0.85	0.043	0.012	mg/kg			
Calcium	7440-70-2	36700	1	0.12	mg/kg	B		
Chromium	7440-47-3	15.4	0.32	0.097	mg/kg			
Cobalt	7440-48-4	9.6	0.25	0.076	mg/kg			
Copper	7440-50-8	15.7	1	0.31	mg/kg			
Iron	7439-89-6	18200	2	0.61	mg/kg			
Lead	7439-92-1	14.7	0.71	0.2	mg/kg			
Magnesium	7439-95-4	2350	0.82	0.24	mg/kg	B		
Manganese	7439-96-5	836	0.25	0.082	mg/kg	B		
Nickel	7440-02-0	18.9	0.31	0.092	mg/kg			
Selenium	7782-49-2	0.56	0.86	0.14	mg/kg	JV	J	B
Silver	7440-22-4	0.11	0.11	0.035	mg/kg	V		
Thallium	7440-28-0	0.52	0.71	0.2	mg/kg	J	U	B
Vanadium	7440-62-2	14.8	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	46.1	0.24	0.082	mg/kg			

Analysis Method 6010C

Sample Name DLASS-039-0001-SO **AnalysisType:** RES

Lab Sample Name: 871190 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	9460	0.25	0.082	mg/kg			
Antimony	7440-36-0	1.4	0.55	0.16	mg/kg			
Arsenic	7440-38-2	11.7	0.92	0.27	mg/kg			
Barium	7440-39-3	109	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.65	0.025	0.0082	mg/kg			
Cadmium	7440-43-9	1.1	0.043	0.012	mg/kg			
Calcium	7440-70-2	20400	1	0.12	mg/kg	B		
Chromium	7440-47-3	146	0.32	0.097	mg/kg			
Cobalt	7440-48-4	12.2	0.25	0.077	mg/kg			
Copper	7440-50-8	17.7	0.41	0.12	mg/kg	B		
Iron	7439-89-6	23100	2	0.61	mg/kg			
Lead	7439-92-1	27	0.29	0.082	mg/kg			
Magnesium	7439-95-4	2010	0.82	0.25	mg/kg	B	J	*III
Manganese	7439-96-5	1220	0.1	0.033	mg/kg			
Nickel	7440-02-0	21.3	0.31	0.092	mg/kg			
Selenium	7782-49-2	0.23	0.86	0.14	mg/kg	JV	J	B
Silver	7440-22-4	0.19	0.11	0.035	mg/kg			
Thallium	7440-28-0	0.72	0.72	0.2	mg/kg	UV	U	
Vanadium	7440-62-2	20.6	0.07	0.022	mg/kg	B		
Zinc	7440-66-6	50.4	0.25	0.082	mg/kg			

Analysis Method 6010C

Sample Name DLASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: 871196 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	2280	0.24	0.081	mg/kg			
Antimony	7440-36-0	1.4	1.4	0.4	mg/kg	UV	UJ	B
Arsenic	7440-38-2	8.5	0.91	0.26	mg/kg			
Barium	7440-39-3	47.3	0.054	0.016	mg/kg	B		
Beryllium	7440-41-7	0.26	0.024	0.0081	mg/kg			
Cadmium	7440-43-9	0.67	0.042	0.012	mg/kg			
Calcium	7440-70-2	36700	1	0.12	mg/kg	B		
Chromium	7440-47-3	8.3	0.32	0.096	mg/kg			
Cobalt	7440-48-4	87.9	0.25	0.076	mg/kg			
Copper	7440-50-8	431	1	0.3	mg/kg			
Iron	7439-89-6	10400	2	0.6	mg/kg			
Lead	7439-92-1	27.3	0.7	0.2	mg/kg			
Magnesium	7439-95-4	1100	0.81	0.24	mg/kg	B		
Manganese	7439-96-5	351	0.25	0.081	mg/kg	B		
Nickel	7440-02-0	32.6	0.31	0.091	mg/kg			
Selenium	7782-49-2	0.85	0.85	0.14	mg/kg	UV	UJ	B
Silver	7440-22-4	0.13	0.11	0.034	mg/kg			
Thallium	7440-28-0	0.43	0.7	0.2	mg/kg	JV	U	B
Vanadium	7440-62-2	4.9	0.068	0.022	mg/kg	B		
Zinc	7440-66-6	55.9	0.24	0.081	mg/kg			

Analysis Method 6010C

Sample Name DLASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: 871195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	2370	0.24	0.081	mg/kg			
Antimony	7440-36-0	1.4	1.4	0.4	mg/kg	UV	UJ	B
Arsenic	7440-38-2	7.2	0.91	0.26	mg/kg			
Barium	7440-39-3	28.2	0.054	0.016	mg/kg	B		
Beryllium	7440-41-7	0.29	0.024	0.0081	mg/kg			
Cadmium	7440-43-9	0.74	0.042	0.012	mg/kg			
Calcium	7440-70-2	6310	1	0.12	mg/kg	B		
Chromium	7440-47-3	9.8	0.32	0.096	mg/kg			
Cobalt	7440-48-4	33.8	0.25	0.076	mg/kg			
Copper	7440-50-8	159	1	0.3	mg/kg			
Iron	7439-89-6	11600	2	0.61	mg/kg			
Lead	7439-92-1	18.4	0.71	0.2	mg/kg			
Magnesium	7439-95-4	984	0.81	0.24	mg/kg	B		
Manganese	7439-96-5	506	0.25	0.081	mg/kg	B		
Nickel	7440-02-0	18.3	0.31	0.091	mg/kg			
Selenium	7782-49-2	0.85	0.85	0.14	mg/kg	UV	UJ	B
Silver	7440-22-4	0.035	0.11	0.034	mg/kg	JV	J	
Thallium	7440-28-0	0.49	0.71	0.2	mg/kg	JV	U	B
Vanadium	7440-62-2	5.3	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	50.5	0.24	0.081	mg/kg			

Analysis Method 6010C

Sample Name DLASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 871197 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	2940	0.24	0.081	mg/kg			
Antimony	7440-36-0	0.55	0.55	0.16	mg/kg	UV	UJ	B, $, MDL changed from 0.16
Arsenic	7440-38-2	6.8	0.91	0.26	mg/kg			
Barium	7440-39-3	65.2	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.42	0.024	0.0081	mg/kg			
Cadmium	7440-43-9	0.74	0.042	0.012	mg/kg			
Calcium	7440-70-2	47200	1	0.12	mg/kg	B		
Chromium	7440-47-3	10.4	0.32	0.096	mg/kg			
Cobalt	7440-48-4	25.8	0.25	0.076	mg/kg			
Copper	7440-50-8	119	1	0.3	mg/kg			
Iron	7439-89-6	11100	2	0.61	mg/kg			
Lead	7439-92-1	21.6	0.71	0.2	mg/kg			
Magnesium	7439-95-4	1750	0.81	0.24	mg/kg	B		
Manganese	7439-96-5	595	0.25	0.081	mg/kg	B		
Nickel	7440-02-0	20.6	0.31	0.091	mg/kg			
Selenium	7782-49-2	1.2	0.85	0.14	mg/kg		J	B
Silver	7440-22-4	0.057	0.11	0.034	mg/kg	JV	J	
Thallium	7440-28-0	0.28	0.28	0.081	mg/kg	UV	U	$, MDL changed from 0.081
Vanadium	7440-62-2	4.4	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	308	0.24	0.081	mg/kg			

Analysis Method 6010C

Sample Name DLASS-042-0003-SO **AnalysisType:** RES

Lab Sample Name: 871186 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	3490	0.24	0.081	mg/kg			
Antimony	7440-36-0	36.9	0.54	0.16	mg/kg			
Arsenic	7440-38-2	6.8	0.91	0.26	mg/kg			
Barium	7440-39-3	62.1	0.054	0.016	mg/kg	B		
Beryllium	7440-41-7	0.49	0.024	0.0081	mg/kg			
Cadmium	7440-43-9	0.71	0.042	0.012	mg/kg			
Calcium	7440-70-2	42000	1	0.12	mg/kg	B		
Chromium	7440-47-3	11.7	0.32	0.096	mg/kg			
Cobalt	7440-48-4	24.6	0.25	0.076	mg/kg			
Copper	7440-50-8	99.9	0.4	0.12	mg/kg	B		
Iron	7439-89-6	11600	2	0.61	mg/kg			
Lead	7439-92-1	30	0.28	0.081	mg/kg			
Magnesium	7439-95-4	2120	0.81	0.24	mg/kg	B	J	*III
Manganese	7439-96-5	468	0.1	0.032	mg/kg			
Nickel	7440-02-0	19.9	0.31	0.091	mg/kg			
Selenium	7782-49-2	0.85	0.85	0.14	mg/kg	UV	U	
Silver	7440-22-4	0.08	0.11	0.034	mg/kg	JV	J	
Thallium	7440-28-0	0.71	0.71	0.2	mg/kg	UV	U	
Vanadium	7440-62-2	4.6	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	636	0.24	0.081	mg/kg			

Analysis Method 6010C

Sample Name DLASS-044-0001-SO **AnalysisType:** RES

Lab Sample Name: 871194 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	3050	0.24	0.081	mg/kg			
Antimony	7440-36-0	0.48	1.4	0.4	mg/kg	JV	J	B
Arsenic	7440-38-2	6.4	0.91	0.26	mg/kg			
Barium	7440-39-3	44.4	0.054	0.016	mg/kg	B		
Beryllium	7440-41-7	0.37	0.024	0.0081	mg/kg			
Cadmium	7440-43-9	0.79	0.042	0.012	mg/kg			
Calcium	7440-70-2	10400	1	0.12	mg/kg	B		
Chromium	7440-47-3	234	0.32	0.096	mg/kg			
Cobalt	7440-48-4	25.7	0.25	0.076	mg/kg			
Copper	7440-50-8	117	1	0.3	mg/kg			
Iron	7439-89-6	11000	2	0.6	mg/kg			
Lead	7439-92-1	27.3	0.71	0.2	mg/kg			
Magnesium	7439-95-4	1230	0.81	0.24	mg/kg	B		
Manganese	7439-96-5	520	0.25	0.081	mg/kg	B		
Nickel	7440-02-0	23.8	0.31	0.091	mg/kg			
Selenium	7782-49-2	0.29	0.85	0.14	mg/kg	JV	J	B
Silver	7440-22-4	0.084	0.11	0.034	mg/kg	JV	J	
Thallium	7440-28-0	0.71	0.71	0.2	mg/kg	UV	U	
Vanadium	7440-62-2	5.8	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	269	0.24	0.081	mg/kg			

Analysis Method 6010C-NaK

Sample Name DLASS-031-0001-SO **AnalysisType:** RES

Lab Sample Name: 871189 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	613	37	11	mg/kg			
Sodium	7440-23-5	64.1	13	4.1	mg/kg			

Sample Name DLASS-032-0001-SO **AnalysisType:** RES

Lab Sample Name: 871198 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	975	37	11	mg/kg			
Sodium	7440-23-5	118	13	4.1	mg/kg			

Sample Name DLASS-032-0003-SO **AnalysisType:** RES

Lab Sample Name: 871184 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	578	37	11	mg/kg			
Sodium	7440-23-5	77	13	4.1	mg/kg			

Sample Name DLASS-034-0001-SO **AnalysisType:** RES

Lab Sample Name: 871192 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	664	37	11	mg/kg			
Sodium	7440-23-5	39.7	13	4.1	mg/kg			

Sample Name DLASS-035-0001-SO **AnalysisType:** RES

Lab Sample Name: 871187 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	704	37	11	mg/kg			
Sodium	7440-23-5	36.2	13	4.1	mg/kg			

Analysis Method 6010C-NaK

Sample Name DLASS-036-0001-SO **AnalysisType:** RES

Lab Sample Name: 871188 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1380	37	11	mg/kg			
Sodium	7440-23-5	325	13	4.1	mg/kg			

Sample Name DLASS-037-0001-SO **AnalysisType:** RES

Lab Sample Name: 871191 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1110	37	11	mg/kg			
Sodium	7440-23-5	152	13	4.1	mg/kg			

Sample Name DLASS-038-0001-SO **AnalysisType:** RES

Lab Sample Name: 871193 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	629	37	11	mg/kg			
Sodium	7440-23-5	44.6	13	4.1	mg/kg			

Sample Name DLASS-039-0001-SO **AnalysisType:** RES

Lab Sample Name: 871190 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	1010	37	11	mg/kg			
Sodium	7440-23-5	47.3	13	4.1	mg/kg			

Sample Name DLASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: 871196 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	363	36	11	mg/kg			
Sodium	7440-23-5	35.2	13	4	mg/kg			

Analysis Method 6010C-NaK

Sample Name DLASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: 871195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	399	36	11	mg/kg			
Sodium	7440-23-5	35.6	13	4	mg/kg			

Sample Name DLASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 871197 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	417	36	11	mg/kg			
Sodium	7440-23-5	70.7	13	4	mg/kg			

Sample Name DLASS-042-0003-SO **AnalysisType:** RES

Lab Sample Name: 871186 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	467	36	11	mg/kg			
Sodium	7440-23-5	86.3	13	4	mg/kg			

Sample Name DLASS-044-0001-SO **AnalysisType:** RES

Lab Sample Name: 871194 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	713	36	11	mg/kg			
Sodium	7440-23-5	62.5	13	4	mg/kg			

Analysis Method 7196A

Sample Name DLASS-031-0001-SO **AnalysisType:** RES

Lab Sample Name: 871189 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-032-0001-SO **AnalysisType:** RES

Lab Sample Name: 871198 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-032-0003-SO **AnalysisType:** RES

Lab Sample Name: 871184 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-034-0001-SO **AnalysisType:** RES

Lab Sample Name: 871192 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-035-0001-SO **AnalysisType:** RES

Lab Sample Name: 871187 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Analysis Method 7196A

Sample Name DLASS-036-0001-SO **AnalysisType:** RES

Lab Sample Name: 871188 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	2	6.6	1.9	mg/kg	J	J	C, Q

Sample Name DLASS-037-0001-SO **AnalysisType:** RES

Lab Sample Name: 871191 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	1.9	6.5	1.9	mg/kg	J	J	C, Q

Sample Name DLASS-038-0001-SO **AnalysisType:** RES

Lab Sample Name: 871193 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-039-0001-SO **AnalysisType:** RES

Lab Sample Name: 871190 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: 871196 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.4	6.4	1.9	mg/kg	U	R	Q

Analysis Method 7196A

Sample Name DLASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: 871195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 871197 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-042-0003-SO **AnalysisType:** RES

Lab Sample Name: 871186 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DLASS-044-0001-SO **AnalysisType:** RES

Lab Sample Name: 871194 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Analysis Method 7471A

Sample Name DLASS-031-0001-SO **AnalysisType:** RES

Lab Sample Name: 871189 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.054	0.0081	0.0025	mg/kg			

Sample Name DLASS-032-0001-SO **AnalysisType:** RES

Lab Sample Name: 871198 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.036	0.008	0.0024	mg/kg			

Sample Name DLASS-032-0003-SO **AnalysisType:** RES

Lab Sample Name: 871184 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.045	0.0081	0.0024	mg/kg			

Sample Name DLASS-034-0001-SO **AnalysisType:** RES

Lab Sample Name: 871192 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.035	0.008	0.0024	mg/kg			

Sample Name DLASS-035-0001-SO **AnalysisType:** RES

Lab Sample Name: 871187 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.041	0.0081	0.0024	mg/kg			

Analysis Method 7471A

Sample Name DLASS-036-0001-SO **AnalysisType:** RES

Lab Sample Name: 871188 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.034	0.0081	0.0025	mg/kg			

Sample Name DLASS-037-0001-SO **AnalysisType:** RES

Lab Sample Name: 871191 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.058	0.0081	0.0025	mg/kg			

Sample Name DLASS-038-0001-SO **AnalysisType:** RES

Lab Sample Name: 871193 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.032	0.0081	0.0024	mg/kg			

Sample Name DLASS-039-0001-SO **AnalysisType:** RES

Lab Sample Name: 871190 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.039	0.0081	0.0025	mg/kg			

Sample Name DLASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: 871196 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.006	0.008	0.0024	mg/kg	J	J	

Analysis Method 7471A

Sample Name DLASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: 871195 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.008	0.008	0.0024	mg/kg			

Sample Name DLASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 871197 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.025	0.008	0.0024	mg/kg			

Sample Name DLASS-042-0003-SO **AnalysisType:** RES

Lab Sample Name: 871186 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.0078	0.008	0.0024	mg/kg	J	J	

Sample Name DLASS-044-0001-SO **AnalysisType:** RES

Lab Sample Name: 871194 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.011	0.008	0.0024	mg/kg			

Analysis Method 8081A

Sample Name DLASS-032-0001-SO **AnalysisType:** 1RES

Lab Sample Name: L10110846-04 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.386	0.386	0.386	ug/kg	U	UJ	H, C
4,4'-DDE	72-55-9	0.386	0.386	0.386	ug/kg	U	UJ	H, C
4,4'-DDT	50-29-3	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Aldrin	309-00-2	0.386	0.386	0.386	ug/kg	U	UJ	H, C
alpha-BHC	319-84-6	0.386	0.386	0.386	ug/kg	U	UJ	H, C
ALPHA-CHLORDANE	5103-71-9	0.386	0.386	0.386	ug/kg	U	UJ	H, C
beta-BHC	319-85-7	0.386	0.386	0.386	ug/kg	U	UJ	H, C
delta-BHC	319-86-8	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Dieldrin	60-57-1	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Endosulfan I	959-98-8	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Endosulfan II	33213-65-9	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Endosulfan sulfate	1031-07-8	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Endrin	72-20-8	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Endrin aldehyde	7421-93-4	0.386	0.386	0.386	ug/kg	U	R	Q
Endrin ketone	53494-70-5	0.386	0.386	0.386	ug/kg	U	UJ	H, C
GAMMA-BHC	58-89-9	0.386	0.386	0.386	ug/kg	U	UJ	H, C
GAMMA-CHLORDANE	5103-74-2	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Heptachlor	76-44-8	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Heptachlor epoxide	1024-57-3	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Methoxychlor	72-43-5	0.386	0.386	0.386	ug/kg	U	UJ	H, C
Toxaphene	8001-35-2	19.5	19.5	19.5	ug/kg	U	UJ	H, C

Analysis Method 8081A

Sample Name DLASS-032-0003-SO **AnalysisType:** 1RES

Lab Sample Name: L10110846-01 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
4,4'-DDE	72-55-9	0.336	0.336	0.336	ug/kg	U	UJ	H, C
4,4'-DDT	50-29-3	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Aldrin	309-00-2	0.336	0.336	0.336	ug/kg	U	UJ	H, C
alpha-BHC	319-84-6	0.336	0.336	0.336	ug/kg	U	UJ	H, C
ALPHA-CHLORDANE	5103-71-9	0.336	0.336	0.336	ug/kg	U	UJ	H, C
beta-BHC	319-85-7	0.336	0.336	0.336	ug/kg	U	UJ	H, C
delta-BHC	319-86-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Dieldrin	60-57-1	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endosulfan I	959-98-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endosulfan II	33213-65-9	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endosulfan sulfate	1031-07-8	0.632	0.336	0.336	ug/kg	J	J-	H, C
Endrin	72-20-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endrin aldehyde	7421-93-4	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endrin ketone	53494-70-5	0.336	0.336	0.336	ug/kg	U	UJ	H, C
GAMMA-BHC	58-89-9	0.336	0.336	0.336	ug/kg	U	UJ	H, C
GAMMA-CHLORDANE	5103-74-2	0.336	0.336	0.336	ug/kg	U	NJ	H, C, *III, result changed from 0.336
Heptachlor	76-44-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Heptachlor epoxide	1024-57-3	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Methoxychlor	72-43-5	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Toxaphene	8001-35-2	17	17	17	ug/kg	U	UJ	H, C

Analysis Method 8081A

Sample Name DLASS-042-0001-SO **AnalysisType:** 1RES

Lab Sample Name: L10110846-03 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
4,4'-DDE	72-55-9	0.336	0.336	0.336	ug/kg	U	UJ	H, C
4,4'-DDT	50-29-3	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Aldrin	309-00-2	0.336	0.336	0.336	ug/kg	U	UJ	H, C
alpha-BHC	319-84-6	0.336	0.336	0.336	ug/kg	U	UJ	H, C
ALPHA-CHLORDANE	5103-71-9	0.336	0.336	0.336	ug/kg	U	UJ	H, C
beta-BHC	319-85-7	0.336	0.336	0.336	ug/kg	U	UJ	H, C
delta-BHC	319-86-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Dieldrin	60-57-1	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endosulfan I	959-98-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endosulfan II	33213-65-9	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endosulfan sulfate	1031-07-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endrin	72-20-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endrin aldehyde	7421-93-4	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Endrin ketone	53494-70-5	0.336	0.336	0.336	ug/kg	U	UJ	H, C
GAMMA-BHC	58-89-9	0.336	0.336	0.336	ug/kg	U	UJ	H, C
GAMMA-CHLORDANE	5103-74-2	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Heptachlor	76-44-8	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Heptachlor epoxide	1024-57-3	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Methoxychlor	72-43-5	0.336	0.336	0.336	ug/kg	U	UJ	H, C
Toxaphene	8001-35-2	17	17	17	ug/kg	U	UJ	H, C

Analysis Method 8081A

Sample Name DLASS-042-0003-SO **AnalysisType:** 1RES

Lab Sample Name: L10110846-02 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.325	0.325	0.325	ug/kg	U	UJ	H, C
4,4'-DDE	72-55-9	0.325	0.325	0.325	ug/kg	U	UJ	H, C
4,4'-DDT	50-29-3	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Aldrin	309-00-2	0.325	0.325	0.325	ug/kg	U	UJ	H, C
alpha-BHC	319-84-6	0.325	0.325	0.325	ug/kg	U	UJ	H, C
ALPHA-CHLORDANE	5103-71-9	0.325	0.325	0.325	ug/kg	U	UJ	H, C
beta-BHC	319-85-7	0.325	0.325	0.325	ug/kg	U	UJ	H, C
delta-BHC	319-86-8	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Dieldrin	60-57-1	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Endosulfan I	959-98-8	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Endosulfan II	33213-65-9	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Endosulfan sulfate	1031-07-8	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Endrin	72-20-8	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Endrin aldehyde	7421-93-4	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Endrin ketone	53494-70-5	0.325	0.325	0.325	ug/kg	U	UJ	H, C
GAMMA-BHC	58-89-9	0.325	0.325	0.325	ug/kg	U	UJ	H, C
GAMMA-CHLORDANE	5103-74-2	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Heptachlor	76-44-8	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Heptachlor epoxide	1024-57-3	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Methoxychlor	72-43-5	0.325	0.325	0.325	ug/kg	U	UJ	H, C
Toxaphene	8001-35-2	16.4	16.4	16.4	ug/kg	U	UJ	H, C

Analysis Method 8082

Sample Name DLASS-032-0001-SO **AnalysisType:** RES

Lab Sample Name: 871198 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	51	51	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	51	51	20	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	51	51	27	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	51	51	29	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	51	51	29	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	51	51	23	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	51	51	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	51	51	21	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	51	51	28	ug/kg	U	UJ	C

Sample Name DLASS-032-0003-SO **AnalysisType:** RES

Lab Sample Name: 871184 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	51	51	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	51	51	20	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	51	51	27	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	51	51	29	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	51	51	29	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	51	51	23	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	51	51	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	51	51	21	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	51	51	28	ug/kg	U	UJ	C

Analysis Method 8082

Sample Name DLASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 871197 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	50	50	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	50	50	20	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	50	50	27	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	50	50	29	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	50	50	29	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	50	50	23	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	50	50	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	50	50	21	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	50	50	28	ug/kg	U	UJ	C

Sample Name DLASS-042-0003-SO **AnalysisType:** RES

Lab Sample Name: 871186 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	50	50	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	50	50	20	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	50	50	27	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	50	50	29	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	50	50	29	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	50	50	23	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	50	50	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	50	50	21	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	50	50	28	ug/kg	U	UJ	C

Analysis Method 8270C

Sample Name DLASS-032-0001-SO **AnalysisType:** RES

Lab Sample Name: 871198 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	410	410	21	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	410	410	24	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	410	410	20	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	410	410	19	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	510	510	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	510	510	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	510	510	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	410	410	100	ug/kg	U	UJ	C
2,4-Dinitrophenol	51-28-5	2000	2000	700	ug/kg	U	UJ	C
2,4-Dinitrotoluene	121-14-2	410	410	24	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	410	410	24	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	410	410	23	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	510	510	350	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	280	ug/kg	U	UJ	C
2-Methylnaphthalene	91-57-6	510	410	26	ug/kg		J	C
2-Methylphenol	95-48-7	1000	1000	430	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	410	410	23	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	510	510	290	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	510	510	150	ug/kg	U	UJ	C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	C
4-Bromophenyl phenyl ether	101-55-3	410	410	26	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	510	510	390	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	410	410	40	ug/kg	U	R	L
4-Chlorophenyl phenyl ether	7005-72-3	410	410	27	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2000	2000	660	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	31	ug/kg	U	UJ	C
4-Nitrophenol	100-02-7	1000	1000	410	ug/kg	U	UJ	C
Acenaphthene	83-32-9	410	410	24	ug/kg	U	UJ	C

Analysis Method 8270C

Acenaphthylene	208-96-8	410	410	24	ug/kg	U	UJ	C
Acetophenone	98-86-2	410	410	77	ug/kg	U	UJ	C
Anthracene	120-12-7	410	410	24	ug/kg	U	UJ	C
Benzo(a)anthracene	56-55-3	78	410	26	ug/kg	J	J	C
Benzo(a)pyrene	50-32-8	74	410	23	ug/kg	J	J	C
Benzo(b)fluoranthene	205-99-2	140	410	26	ug/kg	J	J	C
Benzo(g,h,i)perylene	191-24-2	81	410	22	ug/kg	J	J	C
Benzo(k)fluoranthene	207-08-9	38	410	26	ug/kg	J	J	C
Benzoic acid	65-85-0	2000	2000	300	ug/kg	U	UJ	L, C
Benzyl alcohol	100-51-6	1000	1000	85	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	410	410	23	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	410	410	26	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	410	410	31	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	680	1000	89	ug/kg	J	J	C
Butylbenzyl phthalate	85-68-7	410	410	74	ug/kg	U	UJ	C
Carbazole	86-74-8	410	410	29	ug/kg	U	UJ	C
Chrysene	218-01-9	110	410	26	ug/kg	J	J	C
Dibenzo(a,h)anthracene	53-70-3	410	410	22	ug/kg	U	UJ	C
Dibenzofuran	132-64-9	89	410	24	ug/kg	J	J	C
Diethyl phthalate	84-66-2	410	410	65	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	410	410	64	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	150	410	81	ug/kg	J	J	C
Di-n-octyl phthalate	117-84-0	410	410	60	ug/kg	U	UJ	C
Fluoranthene	206-44-0	160	410	27	ug/kg	J	J	C
Fluorene	86-73-7	410	410	26	ug/kg	U	UJ	C
Hexachlorobenzene	118-74-1	410	410	29	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	410	410	63	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	410	410	53	ug/kg	U	UJ	C
Hexachloroethane	67-72-1	410	410	34	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	43	410	23	ug/kg	J	J	C
Isophorone	78-59-1	410	410	51	ug/kg	U	UJ	C
Naphthalene	91-20-3	270	410	21	ug/kg	J	J	C

Analysis Method 8270C

Nitrobenzene	98-95-3	410	410	60	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	410	410	71	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	820	820	51	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	L, C
Phenanthrene	85-01-8	330	410	27	ug/kg	J	J	C
Phenol	108-95-2	510	510	160	ug/kg	U	UJ	C
Pyrene	129-00-0	170	410	27	ug/kg	J	J	C

Analysis Method 8270C

Sample Name DLASS-032-0003-SO **AnalysisType:** RES

Lab Sample Name: 871184 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	410	410	21	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	410	410	24	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	410	410	20	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	410	410	19	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	510	510	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	510	510	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	510	510	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	410	410	100	ug/kg	U	UJ	C
2,4-Dinitrophenol	51-28-5	2000	2000	700	ug/kg	U	UJ	C
2,4-Dinitrotoluene	121-14-2	410	410	24	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	410	410	24	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	410	410	23	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	510	510	350	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	270	ug/kg	U	UJ	C
2-Methylnaphthalene	91-57-6	410	410	25	ug/kg		J	C
2-Methylphenol	95-48-7	1000	1000	430	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	410	410	23	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	510	510	280	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	510	510	150	ug/kg	U	UJ	C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	C
4-Bromophenyl phenyl ether	101-55-3	410	410	25	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	510	510	390	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	410	410	40	ug/kg	U	R	L
4-Chlorophenyl phenyl ether	7005-72-3	410	410	26	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2000	2000	660	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	31	ug/kg	U	UJ	C
4-Nitrophenol	100-02-7	1000	1000	410	ug/kg	U	UJ	C
Acenaphthene	83-32-9	410	410	24	ug/kg	U	UJ	C

Analysis Method 8270C

Acenaphthylene	208-96-8	52	410	24	ug/kg	J	J	C
Acetophenone	98-86-2	410	410	76	ug/kg	U	UJ	C
Anthracene	120-12-7	90	410	24	ug/kg	J	J	C
Benzo(a)anthracene	56-55-3	360	410	25	ug/kg	J	J	C
Benzo(a)pyrene	50-32-8	270	410	23	ug/kg	J	J	C
Benzo(b)fluoranthene	205-99-2	390	410	25	ug/kg	J	J	C
Benzo(g,h,i)perylene	191-24-2	160	410	22	ug/kg	J	J	C
Benzo(k)fluoranthene	207-08-9	170	410	25	ug/kg	J	J	C
Benzoic acid	65-85-0	2000	2000	300	ug/kg	U	UJ	L, C
Benzyl alcohol	100-51-6	1000	1000	84	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	410	410	23	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	410	410	25	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	410	410	31	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	790	1000	89	ug/kg	J	J	C
Butylbenzyl phthalate	85-68-7	410	410	74	ug/kg	U	UJ	C
Carbazole	86-74-8	410	410	28	ug/kg	U	UJ	C
Chrysene	218-01-9	350	410	25	ug/kg	J	J	C
Dibenzo(a,h)anthracene	53-70-3	44	410	22	ug/kg	J	J	C
Dibenzofuran	132-64-9	73	410	24	ug/kg	J	J	C
Diethyl phthalate	84-66-2	410	410	65	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	410	410	64	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	130	410	80	ug/kg	J	J	C
Di-n-octyl phthalate	117-84-0	410	410	60	ug/kg	U	UJ	C
Fluoranthene	206-44-0	730	410	26	ug/kg		J	C
Fluorene	86-73-7	25	410	25	ug/kg	J	J	C
Hexachlorobenzene	118-74-1	410	410	28	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	410	410	63	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	410	410	53	ug/kg	U	UJ	C
Hexachloroethane	67-72-1	410	410	34	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	150	410	23	ug/kg	J	J	C
Isophorone	78-59-1	410	410	51	ug/kg	U	UJ	C
Naphthalene	91-20-3	220	410	21	ug/kg	J	J	C

Analysis Method 8270C

Nitrobenzene	98-95-3	410	410	60	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	410	410	71	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	810	810	51	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	L, C
Phenanthrene	85-01-8	420	410	26	ug/kg		J	C
Phenol	108-95-2	510	510	160	ug/kg	U	UJ	C
Pyrene	129-00-0	590	410	26	ug/kg		J	C

Analysis Method 8270C

Sample Name DLASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 871197 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	400	400	21	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	400	400	24	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	400	400	20	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	400	400	19	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	500	500	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	500	500	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	500	500	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	400	400	100	ug/kg	U	UJ	C
2,4-Dinitrophenol	51-28-5	2000	2000	690	ug/kg	U	UJ	C
2,4-Dinitrotoluene	121-14-2	400	400	24	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	400	400	24	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	400	400	23	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	500	500	340	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	270	ug/kg	U	UJ	C
2-Methylnaphthalene	91-57-6	55	400	25	ug/kg	J	J	C
2-Methylphenol	95-48-7	1000	1000	420	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	400	400	23	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	500	500	280	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	500	500	150	ug/kg	U	UJ	C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	C
4-Bromophenyl phenyl ether	101-55-3	400	400	25	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	500	500	380	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	400	400	39	ug/kg	U	R	L
4-Chlorophenyl phenyl ether	7005-72-3	400	400	26	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2000	2000	650	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	30	ug/kg	U	UJ	C
4-Nitrophenol	100-02-7	1000	1000	400	ug/kg	U	UJ	C
Acenaphthene	83-32-9	400	400	24	ug/kg	U	UJ	C

Analysis Method 8270C

Acenaphthylene	208-96-8	400	400	24	ug/kg	U	UJ	C
Acetophenone	98-86-2	400	400	75	ug/kg	U	UJ	C
Anthracene	120-12-7	400	400	24	ug/kg	U	UJ	C
Benzo(a)anthracene	56-55-3	49	400	25	ug/kg	J	J	C
Benzo(a)pyrene	50-32-8	42	400	23	ug/kg	J	J	C
Benzo(b)fluoranthene	205-99-2	76	400	25	ug/kg	J	J	C
Benzo(g,h,i)perylene	191-24-2	33	400	22	ug/kg	J	J	C
Benzo(k)fluoranthene	207-08-9	400	400	25	ug/kg	U	UJ	C
Benzoic acid	65-85-0	320	2000	290	ug/kg	J	J	L, C
Benzyl alcohol	100-51-6	1000	1000	83	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	400	400	23	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	400	400	25	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	400	400	30	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	250	1000	87	ug/kg	J	J	C
Butylbenzyl phthalate	85-68-7	400	400	73	ug/kg	U	UJ	C
Carbazole	86-74-8	400	400	28	ug/kg	U	UJ	C
Chrysene	218-01-9	56	400	25	ug/kg	J	J	C
Dibenzo(a,h)anthracene	53-70-3	400	400	22	ug/kg	U	UJ	C
Dibenzofuran	132-64-9	400	400	24	ug/kg	U	UJ	C
Diethyl phthalate	84-66-2	400	400	64	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	400	400	63	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	140	400	79	ug/kg	J	J	C
Di-n-octyl phthalate	117-84-0	400	400	59	ug/kg	U	UJ	C
Fluoranthene	206-44-0	99	400	26	ug/kg	J	J	C
Fluorene	86-73-7	400	400	25	ug/kg	U	UJ	C
Hexachlorobenzene	118-74-1	400	400	28	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	400	400	62	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	400	400	52	ug/kg	U	UJ	C
Hexachloroethane	67-72-1	400	400	33	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	30	400	23	ug/kg	J	J	C
Isophorone	78-59-1	400	400	50	ug/kg	U	UJ	C
Naphthalene	91-20-3	40	400	21	ug/kg	J	J	C

Analysis Method 8270C

Nitrobenzene	98-95-3	400	400	59	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	400	400	70	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	800	800	50	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	L, C
Phenanthrene	85-01-8	58	400	26	ug/kg	J	J	C
Phenol	108-95-2	500	500	160	ug/kg	U	UJ	C
Pyrene	129-00-0	80	400	26	ug/kg	J	J	C

Analysis Method 8270C

Sample Name DLASS-042-0003-SO **AnalysisType:** RES

Lab Sample Name: 871186 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	400	400	21	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	400	400	24	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	400	400	20	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	400	400	19	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	500	500	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	500	500	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	500	500	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	400	400	99	ug/kg	U	UJ	C
2,4-Dinitrophenol	51-28-5	2000	2000	690	ug/kg	U	UJ	C
2,4-Dinitrotoluene	121-14-2	400	400	24	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	400	400	24	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	400	400	23	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	500	500	340	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	270	ug/kg	U	UJ	C
2-Methylnaphthalene	91-57-6	47	400	25	ug/kg	J	J	C
2-Methylphenol	95-48-7	1000	1000	420	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	400	400	23	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	500	500	280	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	500	500	150	ug/kg	U	UJ	C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	C
4-Bromophenyl phenyl ether	101-55-3	400	400	25	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	500	500	380	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	400	400	39	ug/kg	U	R	L
4-Chlorophenyl phenyl ether	7005-72-3	400	400	26	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2000	2000	650	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	30	ug/kg	U	UJ	C
4-Nitrophenol	100-02-7	1000	1000	400	ug/kg	U	UJ	C
Acenaphthene	83-32-9	400	400	24	ug/kg	U	UJ	C

Analysis Method 8270C

Acenaphthylene	208-96-8	400	400	24	ug/kg	U	UJ	C
Acetophenone	98-86-2	400	400	75	ug/kg	U	UJ	C
Anthracene	120-12-7	400	400	24	ug/kg	U	UJ	C
Benzo(a)anthracene	56-55-3	33	400	25	ug/kg	J	J	C
Benzo(a)pyrene	50-32-8	31	400	23	ug/kg	J	J	C
Benzo(b)fluoranthene	205-99-2	55	400	25	ug/kg	J	J	C
Benzo(g,h,i)perylene	191-24-2	24	400	22	ug/kg	J	J	C
Benzo(k)fluoranthene	207-08-9	400	400	25	ug/kg	U	UJ	C
Benzoic acid	65-85-0	340	2000	290	ug/kg	J	J	L, C
Benzyl alcohol	100-51-6	1000	1000	83	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	400	400	23	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	400	400	25	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	400	400	30	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	1000	1000	87	ug/kg	U	UJ	C
Butylbenzyl phthalate	85-68-7	400	400	73	ug/kg	U	UJ	C
Carbazole	86-74-8	400	400	28	ug/kg	U	UJ	C
Chrysene	218-01-9	38	400	25	ug/kg	J	J	C
Dibenzo(a,h)anthracene	53-70-3	400	400	22	ug/kg	U	UJ	C
Dibenzofuran	132-64-9	400	400	24	ug/kg	U	UJ	C
Diethyl phthalate	84-66-2	400	400	64	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	400	400	63	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	220	400	79	ug/kg	J	J	C
Di-n-octyl phthalate	117-84-0	400	400	59	ug/kg	U	UJ	C
Fluoranthene	206-44-0	60	400	26	ug/kg	J	J	C
Fluorene	86-73-7	400	400	25	ug/kg	U	UJ	C
Hexachlorobenzene	118-74-1	400	400	28	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	400	400	62	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	400	400	52	ug/kg	U	UJ	C
Hexachloroethane	67-72-1	400	400	33	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	24	400	23	ug/kg	J	J	C
Isophorone	78-59-1	400	400	50	ug/kg	U	UJ	C
Naphthalene	91-20-3	34	400	21	ug/kg	J	J	C

Analysis Method 8270C

Nitrobenzene	98-95-3	400	400	59	ug/kg	U	R	D
N-Nitroso-di-n-propylamine	621-64-7	400	400	70	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	800	800	50	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	L, C
Phenanthrene	85-01-8	44	400	26	ug/kg	J	J	C
Phenol	108-95-2	500	500	160	ug/kg	U	UJ	C
Pyrene	129-00-0	51	400	26	ug/kg	J	J	C

Analysis Method 8330B

Sample Name DLASS-032-0001-SO **AnalysisType:** RES

Lab Sample Name: 871198 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.44	0.44	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.44	0.44	0.08	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.44	0.44	0.091	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.44	0.44	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.5	0.5	0.07	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.44	0.44	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.44	0.44	0.091	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.5	0.5	0.07	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.44	0.44	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.44	0.44	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.5	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.44	0.44	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.44	0.44	0.091	mg/kg	U	UJ	H, C

Analysis Method 8330B

Sample Name DLASS-032-0003-SO **AnalysisType:** RES

Lab Sample Name: 871184 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.44	0.44	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.44	0.44	0.081	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.44	0.44	0.091	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.44	0.44	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.5	0.5	0.071	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.44	0.44	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.44	0.44	0.091	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.44	0.44	0.071	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.44	0.44	0.071	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.5	0.5	0.071	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.44	0.44	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.44	0.44	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.5	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.44	0.44	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.44	0.44	0.091	mg/kg	U	UJ	H, C

Analysis Method 8330B

Sample Name DLASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 871197 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.44	0.44	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.44	0.44	0.08	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.44	0.44	0.09	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.44	0.44	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.5	0.5	0.07	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.44	0.44	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.44	0.44	0.09	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.5	0.5	0.07	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.44	0.44	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.44	0.44	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.5	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.44	0.44	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.44	0.44	0.09	mg/kg	U	UJ	H, C

Analysis Method 8330B

Sample Name DLASS-042-0003-SO **AnalysisType:** RES

Lab Sample Name: 871186 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.44	0.44	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.44	0.44	0.08	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.44	0.44	0.091	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.44	0.44	0.2	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.5	0.5	0.07	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.44	0.44	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.44	0.44	0.091	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.44	0.44	0.07	mg/kg	U	UJ	H, C
4-Nitrotoluene	99-99-0	0.5	0.5	0.07	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.44	0.44	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.44	0.44	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	1.5	1.5	0.5	mg/kg	U	UJ	H, C
PETN	78-11-5	1.5	1.5	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.44	0.44	0.16	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.44	0.44	0.091	mg/kg	U	UJ	H, C

Analysis Method 8330B-NG

Sample Name DLASS-032-0001-SO **AnalysisType:** RES

Lab Sample Name: 871198 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.89	0.16	0.061	mg/kg		J-	H, *III, C

Sample Name DLASS-032-0003-SO **AnalysisType:** RES

Lab Sample Name: 871184 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.1	0.16	0.06	mg/kg	JP	J-	H, *III, C

Sample Name DLASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 871197 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.064	0.16	0.06	mg/kg	JP	J-	H, *III, C

Sample Name DLASS-042-0003-SO **AnalysisType:** RES

Lab Sample Name: 871186 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.085	0.16	0.061	mg/kg	JP	J-	H, *III, C

Analysis Method 9056M

Sample Name DLASS-032-0001-SO **AnalysisType:** RES

Lab Sample Name: 871198 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C

Sample Name DLASS-032-0003-SO **AnalysisType:** RES

Lab Sample Name: 871184 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C

Sample Name DLASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 871197 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C

Sample Name DLASS-042-0003-SO **AnalysisType:** RES

Lab Sample Name: 871186 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	23	23	7	mg/kg	U	UJ	C

Validated Sample Result Forms: 82743

Analysis Method 6010C

Sample Name DAASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: 877666 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	13400	0.61	0.2	mg/kg		J	Q, A
Antimony	7440-36-0	0.87	1.4	0.41	mg/kg	JV,B	J	Q
Arsenic	7440-38-2	11	0.92	0.26	mg/kg		J-	Q, A
Barium	7440-39-3	133	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	1.3	0.024	0.0081	mg/kg		J+	Q
Cadmium	7440-43-9	0.75	0.11	0.031	mg/kg		J	*III, E
Calcium	7440-70-2	25800	2.5	0.31	mg/kg	B	J	Q, A
Chromium	7440-47-3	28.8	0.13	0.039	mg/kg	B		
Cobalt	7440-48-4	9.2	0.1	0.031	mg/kg		J-	Q
Copper	7440-50-8	18.1	1	0.31	mg/kg		J	Q, A
Iron	7439-89-6	19200	2	0.61	mg/kg		J-	Q
Lead	7439-92-1	45.9	0.29	0.081	mg/kg		J-	Q, A
Magnesium	7439-95-4	4440	0.81	0.24	mg/kg	B	J	Q, A
Manganese	7439-96-5	1370	0.1	0.033	mg/kg	B		
Nickel	7440-02-0	19.6	0.12	0.037	mg/kg		J-	Q
Selenium	7782-49-2	2.2	2.1	0.36	mg/kg			
Silver	7440-22-4	0.29	0.29	0.087	mg/kg	UV	J	Q, *III
Thallium	7440-28-0	0.29	0.29	0.081	mg/kg	UV		
Vanadium	7440-62-2	18.5	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	88.1	0.24	0.081	mg/kg		J-	Q

Analysis Method 6010C

Sample Name DAASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: 877664 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	10800	0.61	0.2	mg/kg		J	Q, A
Antimony	7440-36-0	1.3	1.4	0.41	mg/kg	JV	J	Q
Arsenic	7440-38-2	14.4	0.92	0.26	mg/kg		J-	A
Barium	7440-39-3	112	0.055	0.016	mg/kg	B		
Beryllium	7440-41-7	0.94	0.061	0.02	mg/kg	Y	J+	Q
Cadmium	7440-43-9	0.88	0.11	0.031	mg/kg	Y	J	*III, E
Calcium	7440-70-2	20200	2.5	0.31	mg/kg		J	Q, A
Chromium	7440-47-3	78.8	0.13	0.039	mg/kg	B		
Cobalt	7440-48-4	9.9	0.1	0.031	mg/kg		J-	Q
Copper	7440-50-8	23.4	1	0.31	mg/kg		J	Q, A
Iron	7439-89-6	20000	2	0.61	mg/kg	M	J-	Q
Lead	7439-92-1	58.5	0.28	0.081	mg/kg	M	J-	Q, A
Magnesium	7439-95-4	4410	2	0.61	mg/kg		J	Q, A
Manganese	7439-96-5	849	0.1	0.033	mg/kg	M,B		
Nickel	7440-02-0	21.1	0.12	0.037	mg/kg	M	J-	Q
Selenium	7782-49-2	2.1	2.1	0.36	mg/kg	UV	U	
Silver	7440-22-4	0.28	0.28	0.086	mg/kg	UV,Y	J	Q, *III
Thallium	7440-28-0	0.71	0.71	0.2	mg/kg	UY,V		
Vanadium	7440-62-2	16.6	0.069	0.022	mg/kg	B		
Zinc	7440-66-6	101	0.24	0.081	mg/kg	M	J-	Q

Analysis Method 6010C-NaK

Sample Name DAASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: 877666 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	914	37	11	mg/kg	B		
Sodium	7440-23-5	123	13	4.1	mg/kg	B		

Sample Name DAASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: 877664 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	796	37	11	mg/kg	B		
Sodium	7440-23-5	108	13	4.1	mg/kg	B		

Analysis Method 7196A

Sample Name DAASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: 877666 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Sample Name DAASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: 877664 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	6.5	6.5	1.9	mg/kg	U	R	Q

Analysis Method 7471A

Sample Name	DAASS-040-0001-SO	**AnalysisType:** RES						
Lab Sample Name:	877666	**Validation Level:** IV						
	CAS No	**Result Value**	**RL**	**MDL**	**Result Units**	**Lab Qualifier**	**Validation Qualifier**	**Validation Qualifier Code**
Mercury	7439-97-6	0.034	0.008	0.0024	mg/kg		J	E

Sample Name	DAASS-041-0001-SO	**AnalysisType:** RES						
Lab Sample Name:	877664	**Validation Level:** III						
	CAS No	**Result Value**	**RL**	**MDL**	**Result Units**	**Lab Qualifier**	**Validation Qualifier**	**Validation Qualifier Code**
Mercury	7439-97-6	0.043	0.008	0.0024	mg/kg	Y	J	E

Analysis Method 8081A

Sample Name DAASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: L10120298-02 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	1.62	1.62	0.325	ug/kg	UQ	UJ	C
4,4'-DDE	72-55-9	1.62	1.62	0.325	ug/kg	UQ	UJ	C
4,4'-DDT	50-29-3	1.62	1.62	0.325	ug/kg	UQ	UJ	C
Aldrin	309-00-2	1.62	1.62	0.325	ug/kg	UQ	UJ	C
alpha-BHC	319-84-6	1.62	1.62	0.325	ug/kg	UQ	UJ	C
alpha-Chlordane	5103-71-9	1.62	1.62	0.325	ug/kg	UQ	UJ	C
beta-BHC	319-85-7	1.62	1.62	0.325	ug/kg	UQ	UJ	C
delta-BHC	319-86-8	1.62	1.62	0.325	ug/kg	UQ	UJ	C
Dieldrin	60-57-1	1.62	1.62	0.325	ug/kg	UQ	J	C, $, -, *III, result changed from 1.62
Endosulfan I	959-98-8	1.62	1.62	0.325	ug/kg	UQ	UJ	C
Endosulfan II	33213-65-9	1.62	1.62	0.325	ug/kg	UQ	UJ	C
Endosulfan sulfate	1031-07-8	1.66	1.62	0.325	ug/kg	Q	J	C, S
Endrin	72-20-8	1.62	1.62	0.325	ug/kg	UQ	UJ	C
Endrin aldehyde	7421-93-4	1.62	1.62	0.325	ug/kg	UQ	UJ	C
Endrin ketone	53494-70-5	1.62	1.62	0.325	ug/kg	UQ	UJ	C
gamma-BHC	58-89-9	1.62	1.62	0.325	ug/kg	UQ	UJ	C
gamma-Chlordane	5103-74-2	1.62	1.62	0.325	ug/kg	UQ	UJ	C
Heptachlor	76-44-8	1.62	1.62	0.325	ug/kg	UQ	J	C, $, -, *III, result changed from 1.62
Heptachlor epoxide	1024-57-3	1.62	1.62	0.325	ug/kg	UQ	UJ	C
Methoxychlor	72-43-5	1.62	1.62	0.325	ug/kg	UQ	UJ	C
Toxaphene	8001-35-2	32.5	32.5	16.4	ug/kg	UQ	UJ	C

Analysis Method 8081A

Sample Name DAASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: L10120298-01 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	1.65	1.65	0.329	ug/kg	UQ	UJ	C
4,4'-DDE	72-55-9	1.65	1.65	0.329	ug/kg	UQ	UJ	C
4,4'-DDT	50-29-3	1.65	1.65	0.329	ug/kg	UQ	UJ	C
Aldrin	309-00-2	1.65	1.65	0.329	ug/kg	UQ	UJ	C
alpha-BHC	319-84-6	1.65	1.65	0.329	ug/kg	UQ	UJ	C
alpha-Chlordane	5103-71-9	1.65	1.65	0.329	ug/kg	UQ	UJ	C
beta-BHC	319-85-7	1.65	1.65	0.329	ug/kg	UQ	UJ	C
delta-BHC	319-86-8	1.65	1.65	0.329	ug/kg	UQ	UJ	C
Dieldrin	60-57-1	1.65	1.65	0.329	ug/kg	UQ	UJ	C
Endosulfan I	959-98-8	1.65	1.65	0.329	ug/kg	UQ	UJ	C
Endosulfan II	33213-65-9	1.65	1.65	0.329	ug/kg	UQ	UJ	C
Endosulfan sulfate	1031-07-8	0.429	1.65	0.329	ug/kg	JQ	J	C, S
Endrin	72-20-8	1.65	1.65	0.329	ug/kg	UQ	J	C, $, -, result changed from 1.65
Endrin aldehyde	7421-93-4	1.65	1.65	0.329	ug/kg	UQ	UJ	C
Endrin ketone	53494-70-5	1.65	1.65	0.329	ug/kg	UQ	UJ	C
gamma-BHC	58-89-9	1.65	1.65	0.329	ug/kg	UQ	UJ	C
gamma-Chlordane	5103-74-2	1.65	1.65	0.329	ug/kg	UQ	UJ	C
Heptachlor	76-44-8	1.65	1.65	0.329	ug/kg	UQ	J	C, $, -, *III, result changed from 1.65
Heptachlor epoxide	1024-57-3	1.65	1.65	0.329	ug/kg	UQ	UJ	C
Methoxychlor	72-43-5	1.65	1.65	0.329	ug/kg	UQ	UJ	C
Toxaphene	8001-35-2	16.7	32.9	16.7	ug/kg	UQ	UJ	C

Analysis Method 8082

Sample Name DAASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: 877666 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	51	51	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	51	51	20	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	51	51	28	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	51	51	30	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	51	51	30	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	51	51	23	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	51	51	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	51	51	21	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	51	51	29	ug/kg	U	UJ	C

Sample Name DAASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: 877664 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	50	50	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	50	50	20	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	50	50	27	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	50	50	29	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	50	50	29	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	50	50	23	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	50	50	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	50	50	21	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	50	50	28	ug/kg	U	UJ	C

Analysis Method 8260B

Sample Name DAASS-042-0001-SO **AnalysisType:** RES

Lab Sample Name: 877663 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	68	68	14	ug/kg	U	R	*II
1,1,2,2-Tetrachloroethane	79-34-5	68	68	8.2	ug/kg	U	R	*II
1,1,2-Trichloroethane	79-00-5	68	68	11	ug/kg	U	R	*II
1,1-Dichloroethane	75-34-3	68	68	15	ug/kg	U	R	*II
1,1-Dichloroethene	75-35-4	68	68	22	ug/kg	U	R	*II
1,2-Dibromoethane	106-93-4	68	68	14	ug/kg	U	R	*II
1,2-Dichloroethane	107-06-2	68	68	16	ug/kg	U	R	*II
1,2-Dichloropropane	78-87-5	68	68	9.5	ug/kg	U	R	*II
2-Butanone	78-93-3	680	680	140	ug/kg	U	R	*II
2-Hexanone	591-78-6	680	680	93	ug/kg	U	R	*II
4-Methyl-2-pentanone	108-10-1	680	680	110	ug/kg	U	R	*II
Acetone	67-64-1	1400	1400	86	ug/kg	U	R	*II
Benzene	71-43-2	68	68	6.8	ug/kg	U	R	*II
Bromochloromethane	74-97-5	68	68	11	ug/kg	U	R	*II
Bromodichloromethane	75-27-4	68	68	12	ug/kg	U	R	*II
Bromoform	75-25-2	68	68	8.2	ug/kg	U	R	*II
Bromomethane	74-83-9	140	140	41	ug/kg	U	R	*II
Carbon disulfide	75-15-0	140	140	20	ug/kg	U	R	*II
Carbon tetrachloride	56-23-5	68	68	15	ug/kg	U	R	*II
Chlorobenzene	108-90-7	68	68	11	ug/kg	U	R	*II
Chloroethane	75-00-3	140	140	26	ug/kg	U	R	*II
Chloroform	67-66-3	68	68	12	ug/kg	U	R	*II
Chloromethane	74-87-3	140	140	34	ug/kg	U	R	*II
cis-1,2-Dichloroethene	156-59-2	68	68	14	ug/kg	U	R	*II
cis-1,3-Dichloropropene	10061-01-5	68	68	14	ug/kg	U	R	*II
Dibromochloromethane	124-48-1	68	68	11	ug/kg	U	R	*II
Ethylbenzene	100-41-4	68	68	11	ug/kg	U	R	*II
m,p-Xylenes	1330-20-7	140	140	25	ug/kg	U	R	*II

Analysis Method 8260B

Methylene chloride	75-09-2	140	140	55	ug/kg	U	R	*II
o-Xylene	95-47-6	12	68	11	ug/kg	J	J	C, *II
Styrene	100-42-5	68	68	8.2	ug/kg	U	R	*II
Tetrachloroethene	127-18-4	68	68	11	ug/kg	U	R	*II
Toluene	108-88-3	13	68	9.5	ug/kg	J	J	C, *II
trans-1,2-Dichloroethene	156-60-5	68	68	15	ug/kg	U	R	*II
trans-1,3-Dichloropropene	10061-02-6	140	140	9.5	ug/kg	U	R	*II
Trichloroethene	79-01-6	68	68	14	ug/kg	U	R	*II
Vinyl chloride	75-01-4	68	68	19	ug/kg	U	R	*II

Analysis Method 8260B

Sample Name DAASS-043-0001-SO **AnalysisType:** RES

Lab Sample Name: 877662 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	53	53	11	ug/kg	U	UJ	C
1,1,2,2-Tetrachloroethane	79-34-5	53	53	6.4	ug/kg	U	UJ	C
1,1,2-Trichloroethane	79-00-5	53	53	8.5	ug/kg	U	UJ	C
1,1-Dichloroethane	75-34-3	53	53	12	ug/kg	U	UJ	C
1,1-Dichloroethene	75-35-4	53	53	17	ug/kg	U	UJ	C
1,2-Dibromoethane	106-93-4	53	53	11	ug/kg	U	UJ	C
1,2-Dichloroethane	107-06-2	53	53	13	ug/kg	U	UJ	C
1,2-Dichloropropane	78-87-5	53	53	7.5	ug/kg	U	UJ	C
2-Butanone	78-93-3	530	530	110	ug/kg	U	UJ	C
2-Hexanone	591-78-6	530	530	73	ug/kg	U	UJ	C
4-Methyl-2-pentanone	108-10-1	530	530	88	ug/kg	U	UJ	C
Acetone	67-64-1	1100	1100	67	ug/kg	U	UJ	C
Benzene	71-43-2	53	53	5.3	ug/kg	U	UJ	C
Bromochloromethane	74-97-5	53	53	8.5	ug/kg	U	UJ	C
Bromodichloromethane	75-27-4	53	53	9.6	ug/kg	U	UJ	C
Bromoform	75-25-2	53	53	6.4	ug/kg	U	UJ	C
Bromomethane	74-83-9	110	110	32	ug/kg	U	UJ	C
Carbon disulfide	75-15-0	110	110	16	ug/kg	U	UJ	C
Carbon tetrachloride	56-23-5	53	53	12	ug/kg	U	UJ	C
Chlorobenzene	108-90-7	53	53	8.5	ug/kg	U	UJ	C
Chloroethane	75-00-3	110	110	20	ug/kg	U	UJ	C
Chloroform	67-66-3	53	53	9.6	ug/kg	U	UJ	C
Chloromethane	74-87-3	110	110	27	ug/kg	U	UJ	C
cis-1,2-Dichloroethene	156-59-2	53	53	11	ug/kg	U	UJ	C
cis-1,3-Dichloropropene	10061-01-5	53	53	11	ug/kg	U	UJ	C
Dibromochloromethane	124-48-1	53	53	8.5	ug/kg	U	UJ	C
Ethylbenzene	100-41-4	9.2	53	8.5	ug/kg	J	J	C
m,p-Xylenes	1330-20-7	26	110	19	ug/kg	J	J	C

Analysis Method 8260B

Methylene chloride	75-09-2	110	110	43	ug/kg	U	UJ	C
o-Xylene	95-47-6	22	53	8.5	ug/kg	J	J	C
Styrene	100-42-5	53	53	6.4	ug/kg	U	UJ	C
Tetrachloroethene	127-18-4	53	53	8.5	ug/kg	U	UJ	C
Toluene	108-88-3	18	53	7.5	ug/kg	J	J	C
trans-1,2-Dichloroethene	156-60-5	53	53	12	ug/kg	U	UJ	C
trans-1,3-Dichloropropene	10061-02-6	110	110	7.5	ug/kg	U	UJ	C
Trichloroethene	79-01-6	53	53	11	ug/kg	U	UJ	C
Vinyl chloride	75-01-4	53	53	15	ug/kg	U	UJ	C

Analysis Method 8260B

Sample Name DLASS-003-0001-SO **AnalysisType:** RES

Lab Sample Name: 877669 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	60	60	12	ug/kg	U	UJ	C
1,1,2,2-Tetrachloroethane	79-34-5	60	60	7.2	ug/kg	U	UJ	C
1,1,2-Trichloroethane	79-00-5	60	60	9.6	ug/kg	U	UJ	C
1,1-Dichloroethane	75-34-3	60	60	13	ug/kg	U	UJ	C
1,1-Dichloroethene	75-35-4	60	60	19	ug/kg	U	UJ	C
1,2-Dibromoethane	106-93-4	60	60	12	ug/kg	U	UJ	C
1,2-Dichloroethane	107-06-2	60	60	14	ug/kg	U	UJ	C
1,2-Dichloropropane	78-87-5	60	60	8.4	ug/kg	U	UJ	C
2-Butanone	78-93-3	600	600	120	ug/kg	U	UJ	C
2-Hexanone	591-78-6	600	600	81	ug/kg	U	UJ	C
4-Methyl-2-pentanone	108-10-1	600	600	98	ug/kg	U	UJ	C
Acetone	67-64-1	1200	1200	75	ug/kg	U	UJ	C
Benzene	71-43-2	60	60	6	ug/kg	U	UJ	C
Bromochloromethane	74-97-5	60	60	9.6	ug/kg	U	UJ	C
Bromodichloromethane	75-27-4	60	60	11	ug/kg	U	UJ	C
Bromoform	75-25-2	60	60	7.2	ug/kg	U	UJ	C
Bromomethane	74-83-9	120	120	36	ug/kg	U	UJ	C
Carbon disulfide	75-15-0	120	120	18	ug/kg	U	UJ	C
Carbon tetrachloride	56-23-5	60	60	13	ug/kg	U	UJ	C
Chlorobenzene	108-90-7	60	60	9.6	ug/kg	U	UJ	C
Chloroethane	75-00-3	120	120	23	ug/kg	U	UJ	C
Chloroform	67-66-3	60	60	11	ug/kg	U	UJ	C
Chloromethane	74-87-3	120	120	30	ug/kg	U	UJ	C
cis-1,2-Dichloroethene	156-59-2	60	60	12	ug/kg	U	UJ	C
cis-1,3-Dichloropropene	10061-01-5	60	60	12	ug/kg	U	UJ	C
Dibromochloromethane	124-48-1	60	60	9.6	ug/kg	U	UJ	C
Ethylbenzene	100-41-4	60	60	9.6	ug/kg	U	UJ	C
m,p-Xylenes	1330-20-7	120	120	22	ug/kg	U	UJ	C

Analysis Method 8260B

Methylene chloride	75-09-2	120	120	48	ug/kg	U	UJ	Q, C
o-Xylene	95-47-6	60	60	9.6	ug/kg	U	UJ	C
Styrene	100-42-5	60	60	7.2	ug/kg	U	UJ	C
Tetrachloroethene	127-18-4	60	60	9.6	ug/kg	U	UJ	C
Toluene	108-88-3	60	60	8.4	ug/kg	U	UJ	C
trans-1,2-Dichloroethene	156-60-5	60	60	13	ug/kg	U	UJ	C
trans-1,3-Dichloropropene	10061-02-6	120	120	8.4	ug/kg	U	UJ	C
Trichloroethene	79-01-6	60	60	12	ug/kg	U	UJ	C
Vinyl chloride	75-01-4	60	60	17	ug/kg	U	UJ	C

Analysis Method 8260B

Sample Name DLASS-003-0002-SO **AnalysisType:** RES

Lab Sample Name: 877670 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	65	65	13	ug/kg	U	UJ	C
1,1,2,2-Tetrachloroethane	79-34-5	65	65	7.7	ug/kg	U	UJ	C
1,1,2-Trichloroethane	79-00-5	65	65	10	ug/kg	U	UJ	C
1,1-Dichloroethane	75-34-3	65	65	14	ug/kg	U	UJ	C
1,1-Dichloroethene	75-35-4	65	65	21	ug/kg	U	UJ	C
1,2-Dibromoethane	106-93-4	65	65	13	ug/kg	U	UJ	C
1,2-Dichloroethane	107-06-2	65	65	15	ug/kg	U	UJ	C
1,2-Dichloropropane	78-87-5	65	65	9	ug/kg	U	UJ	C
2-Butanone	78-93-3	650	650	130	ug/kg	U	UJ	C
2-Hexanone	591-78-6	650	650	88	ug/kg	U	UJ	C
4-Methyl-2-pentanone	108-10-1	650	650	110	ug/kg	U	UJ	C
Acetone	67-64-1	1300	1300	81	ug/kg	U	UJ	C
Benzene	71-43-2	65	65	6.5	ug/kg	U	UJ	C
Bromochloromethane	74-97-5	65	65	10	ug/kg	U	UJ	C
Bromodichloromethane	75-27-4	65	65	12	ug/kg	U	UJ	C
Bromoform	75-25-2	65	65	7.7	ug/kg	U	UJ	C
Bromomethane	74-83-9	130	130	39	ug/kg	U	UJ	C
Carbon disulfide	75-15-0	130	130	19	ug/kg	U	UJ	C
Carbon tetrachloride	56-23-5	65	65	14	ug/kg	U	UJ	C
Chlorobenzene	108-90-7	65	65	10	ug/kg	U	UJ	C
Chloroethane	75-00-3	130	130	25	ug/kg	U	UJ	C
Chloroform	67-66-3	65	65	12	ug/kg	U	UJ	C
Chloromethane	74-87-3	130	130	32	ug/kg	U	UJ	C
cis-1,2-Dichloroethene	156-59-2	65	65	13	ug/kg	U	UJ	C
cis-1,3-Dichloropropene	10061-01-5	65	65	13	ug/kg	U	UJ	C
Dibromochloromethane	124-48-1	65	65	10	ug/kg	U	UJ	C
Ethylbenzene	100-41-4	65	65	10	ug/kg	U	UJ	C
m,p-Xylenes	1330-20-7	130	130	23	ug/kg	U	UJ	C

Analysis Method 8260B

Methylene chloride	75-09-2	130	130	52	ug/kg	U	UJ	C
o-Xylene	95-47-6	65	65	10	ug/kg	U	UJ	C
Styrene	100-42-5	65	65	7.7	ug/kg	U	UJ	C
Tetrachloroethene	127-18-4	65	65	10	ug/kg	U	UJ	C
Toluene	108-88-3	65	65	9	ug/kg	U	UJ	C
trans-1,2-Dichloroethene	156-60-5	65	65	14	ug/kg	U	UJ	C
trans-1,3-Dichloropropene	10061-02-6	130	130	9	ug/kg	U	UJ	C
Trichloroethene	79-01-6	65	65	13	ug/kg	U	UJ	C
Vinyl chloride	75-01-4	65	65	18	ug/kg	U	UJ	C

Analysis Method 8260B

Sample Name DLASS-015-0001-SO **AnalysisType:** RES

Lab Sample Name: 877672 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	49	49	9.7	ug/kg	U	UJ	C
1,1,2,2-Tetrachloroethane	79-34-5	49	49	5.8	ug/kg	U	UJ	C
1,1,2-Trichloroethane	79-00-5	49	49	7.8	ug/kg	U	UJ	C
1,1-Dichloroethane	75-34-3	49	49	11	ug/kg	U	UJ	C
1,1-Dichloroethene	75-35-4	49	49	16	ug/kg	U	UJ	C
1,2-Dibromoethane	106-93-4	49	49	9.7	ug/kg	U	UJ	C
1,2-Dichloroethane	107-06-2	49	49	12	ug/kg	U	UJ	C
1,2-Dichloropropane	78-87-5	49	49	6.8	ug/kg	U	UJ	C
2-Butanone	78-93-3	490	490	97	ug/kg	U	UJ	C
2-Hexanone	591-78-6	490	490	66	ug/kg	U	UJ	C
4-Methyl-2-pentanone	108-10-1	490	490	80	ug/kg	U	UJ	C
Acetone	67-64-1	970	970	61	ug/kg	U	UJ	C
Benzene	71-43-2	49	49	4.9	ug/kg	U	UJ	C
Bromochloromethane	74-97-5	49	49	7.8	ug/kg	U	UJ	C
Bromodichloromethane	75-27-4	49	49	8.8	ug/kg	U	UJ	C
Bromoform	75-25-2	49	49	5.8	ug/kg	U	UJ	C
Bromomethane	74-83-9	97	97	29	ug/kg	U	UJ	C
Carbon disulfide	75-15-0	97	97	15	ug/kg	U	UJ	C
Carbon tetrachloride	56-23-5	49	49	11	ug/kg	U	UJ	C
Chlorobenzene	108-90-7	49	49	7.8	ug/kg	U	UJ	C
Chloroethane	75-00-3	97	97	19	ug/kg	U	UJ	C
Chloroform	67-66-3	49	49	8.8	ug/kg	U	UJ	C
Chloromethane	74-87-3	97	97	24	ug/kg	U	UJ	C
cis-1,2-Dichloroethene	156-59-2	49	49	9.7	ug/kg	U	UJ	C
cis-1,3-Dichloropropene	10061-01-5	49	49	9.7	ug/kg	U	UJ	C
Dibromochloromethane	124-48-1	49	49	7.8	ug/kg	U	UJ	C
Ethylbenzene	100-41-4	49	49	7.8	ug/kg	U	UJ	C
m,p-Xylenes	1330-20-7	97	97	18	ug/kg	U	UJ	C

Analysis Method 8260B

Methylene chloride	75-09-2	97	97	39	ug/kg	U	UJ	C
o-Xylene	95-47-6	49	49	7.8	ug/kg	U	UJ	C
Styrene	100-42-5	49	49	5.8	ug/kg	U	UJ	C
Tetrachloroethene	127-18-4	49	49	7.8	ug/kg	U	UJ	C
Toluene	108-88-3	49	49	6.8	ug/kg	U	UJ	C
trans-1,2-Dichloroethene	156-60-5	49	49	11	ug/kg	U	UJ	C
trans-1,3-Dichloropropene	10061-02-6	97	97	6.8	ug/kg	U	UJ	C
Trichloroethene	79-01-6	49	49	9.7	ug/kg	U	UJ	C
Vinyl chloride	75-01-4	49	49	14	ug/kg	U	UJ	C

Analysis Method 8260B

Sample Name DLASS-023-0001-SO **AnalysisType:** RES

Lab Sample Name: 877671 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	53	53	11	ug/kg	U	UJ	C
1,1,2,2-Tetrachloroethane	79-34-5	53	53	6.4	ug/kg	U	UJ	C
1,1,2-Trichloroethane	79-00-5	53	53	8.5	ug/kg	U	UJ	C
1,1-Dichloroethane	75-34-3	53	53	12	ug/kg	U	UJ	C
1,1-Dichloroethene	75-35-4	53	53	17	ug/kg	U	UJ	C
1,2-Dibromoethane	106-93-4	53	53	11	ug/kg	U	UJ	C
1,2-Dichloroethane	107-06-2	53	53	13	ug/kg	U	UJ	C
1,2-Dichloropropane	78-87-5	53	53	7.5	ug/kg	U	UJ	C
2-Butanone	78-93-3	530	530	110	ug/kg	U	UJ	C
2-Hexanone	591-78-6	530	530	72	ug/kg	U	UJ	C
4-Methyl-2-pentanone	108-10-1	530	530	87	ug/kg	U	UJ	C
Acetone	67-64-1	1100	1100	67	ug/kg	U	UJ	C
Benzene	71-43-2	53	53	5.3	ug/kg	U	UJ	C
Bromochloromethane	74-97-5	53	53	8.5	ug/kg	U	UJ	C
Bromodichloromethane	75-27-4	53	53	9.6	ug/kg	U	UJ	C
Bromoform	75-25-2	53	53	6.4	ug/kg	U	UJ	C
Bromomethane	74-83-9	110	110	32	ug/kg	U	UJ	C
Carbon disulfide	75-15-0	110	110	16	ug/kg	U	UJ	C
Carbon tetrachloride	56-23-5	53	53	12	ug/kg	U	UJ	C
Chlorobenzene	108-90-7	53	53	8.5	ug/kg	U	UJ	C
Chloroethane	75-00-3	110	110	20	ug/kg	U	UJ	C
Chloroform	67-66-3	53	53	9.6	ug/kg	U	UJ	C
Chloromethane	74-87-3	110	110	27	ug/kg	U	UJ	C
cis-1,2-Dichloroethene	156-59-2	53	53	11	ug/kg	U	UJ	C
cis-1,3-Dichloropropene	10061-01-5	53	53	11	ug/kg	U	UJ	C
Dibromochloromethane	124-48-1	53	53	8.5	ug/kg	U	UJ	C
Ethylbenzene	100-41-4	53	53	8.5	ug/kg	U	UJ	C
m,p-Xylenes	1330-20-7	110	110	19	ug/kg	U	UJ	C

Analysis Method 8260B

Methylene chloride	75-09-2	110	110	43	ug/kg	U	UJ	C
o-Xylene	95-47-6	53	53	8.5	ug/kg	U	UJ	C
Styrene	100-42-5	53	53	6.4	ug/kg	U	UJ	C
Tetrachloroethene	127-18-4	53	53	8.5	ug/kg	U	UJ	C
Toluene	108-88-3	53	53	7.5	ug/kg	U	UJ	C
trans-1,2-Dichloroethene	156-60-5	53	53	12	ug/kg	U	UJ	C
trans-1,3-Dichloropropene	10061-02-6	110	110	7.5	ug/kg	U	UJ	C
Trichloroethene	79-01-6	53	53	11	ug/kg	U	UJ	C
Vinyl chloride	75-01-4	53	53	15	ug/kg	U	UJ	C

Analysis Method 8260B

Sample Name DLASS-033-0001-SO **AnalysisType:** RES

Lab Sample Name: 877667 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	52	52	10	ug/kg	U	UJ	C
1,1,2,2-Tetrachloroethane	79-34-5	52	52	6.2	ug/kg	U	UJ	C
1,1,2-Trichloroethane	79-00-5	52	52	8.3	ug/kg	U	UJ	C
1,1-Dichloroethane	75-34-3	52	52	11	ug/kg	U	UJ	C
1,1-Dichloroethene	75-35-4	52	52	17	ug/kg	U	UJ	C
1,2-Dibromoethane	106-93-4	52	52	10	ug/kg	U	UJ	C
1,2-Dichloroethane	107-06-2	52	52	12	ug/kg	U	UJ	C
1,2-Dichloropropane	78-87-5	52	52	7.3	ug/kg	U	UJ	C
2-Butanone	78-93-3	520	520	100	ug/kg	U	UJ	C
2-Hexanone	591-78-6	520	520	71	ug/kg	U	UJ	C
4-Methyl-2-pentanone	108-10-1	520	520	85	ug/kg	U	UJ	C
Acetone	67-64-1	1000	1000	65	ug/kg	U	UJ	C
Benzene	71-43-2	52	52	5.2	ug/kg	U	UJ	C
Bromochloromethane	74-97-5	52	52	8.3	ug/kg	U	UJ	C
Bromodichloromethane	75-27-4	52	52	9.3	ug/kg	U	UJ	C
Bromoform	75-25-2	52	52	6.2	ug/kg	U	UJ	C
Bromomethane	74-83-9	100	100	31	ug/kg	U	UJ	C
Carbon disulfide	75-15-0	100	100	16	ug/kg	U	UJ	C
Carbon tetrachloride	56-23-5	52	52	11	ug/kg	U	UJ	C
Chlorobenzene	108-90-7	52	52	8.3	ug/kg	U	UJ	C
Chloroethane	75-00-3	100	100	20	ug/kg	U	UJ	C
Chloroform	67-66-3	52	52	9.3	ug/kg	U	UJ	C
Chloromethane	74-87-3	100	100	26	ug/kg	U	UJ	C
cis-1,2-Dichloroethene	156-59-2	52	52	10	ug/kg	U	UJ	C
cis-1,3-Dichloropropene	10061-01-5	52	52	10	ug/kg	U	UJ	C
Dibromochloromethane	124-48-1	52	52	8.3	ug/kg	U	UJ	C
Ethylbenzene	100-41-4	52	52	8.3	ug/kg	U	UJ	C
m,p-Xylenes	1330-20-7	100	100	19	ug/kg	U	UJ	C

Analysis Method 8260B

Methylene chloride	75-09-2	100	100	41	ug/kg	U	UJ	C
o-Xylene	95-47-6	17	52	8.3	ug/kg	J	J	C
Styrene	100-42-5	52	52	6.2	ug/kg	U	UJ	C
Tetrachloroethene	127-18-4	52	52	8.3	ug/kg	U	UJ	C
Toluene	108-88-3	52	52	7.3	ug/kg	U	UJ	C
trans-1,2-Dichloroethene	156-60-5	52	52	11	ug/kg	U	UJ	C
trans-1,3-Dichloropropene	10061-02-6	100	100	7.3	ug/kg	U	UJ	C
Trichloroethene	79-01-6	52	52	10	ug/kg	U	UJ	C
Vinyl chloride	75-01-4	52	52	15	ug/kg	U	UJ	C

Analysis Method 8260B

Sample Name DLASS-043-0001-SO **AnalysisType:** RES

Lab Sample Name: 877668 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	42	42	8.4	ug/kg	U	UJ	C
1,1,2,2-Tetrachloroethane	79-34-5	42	42	5.1	ug/kg	U	UJ	C
1,1,2-Trichloroethane	79-00-5	42	42	6.8	ug/kg	U	UJ	C
1,1-Dichloroethane	75-34-3	42	42	9.3	ug/kg	U	UJ	C
1,1-Dichloroethene	75-35-4	42	42	14	ug/kg	U	UJ	C
1,2-Dibromoethane	106-93-4	42	42	8.4	ug/kg	U	UJ	C
1,2-Dichloroethane	107-06-2	42	42	10	ug/kg	U	UJ	C
1,2-Dichloropropane	78-87-5	42	42	5.9	ug/kg	U	UJ	C
2-Butanone	78-93-3	420	420	84	ug/kg	U	UJ	C
2-Hexanone	591-78-6	420	420	57	ug/kg	U	UJ	C
4-Methyl-2-pentanone	108-10-1	420	420	69	ug/kg	U	UJ	C
Acetone	67-64-1	840	840	53	ug/kg	U	UJ	C
Benzene	71-43-2	42	42	4.2	ug/kg	U	UJ	C
Bromochloromethane	74-97-5	42	42	6.8	ug/kg	U	UJ	C
Bromodichloromethane	75-27-4	42	42	7.6	ug/kg	U	UJ	C
Bromoform	75-25-2	42	42	5.1	ug/kg	U	UJ	C
Bromomethane	74-83-9	84	84	25	ug/kg	U	UJ	C
Carbon disulfide	75-15-0	84	84	13	ug/kg	U	UJ	C
Carbon tetrachloride	56-23-5	42	42	9.3	ug/kg	U	UJ	C
Chlorobenzene	108-90-7	42	42	6.8	ug/kg	U	UJ	C
Chloroethane	75-00-3	84	84	16	ug/kg	U	UJ	C
Chloroform	67-66-3	42	42	7.6	ug/kg	U	UJ	C
Chloromethane	74-87-3	84	84	21	ug/kg	U	UJ	C
cis-1,2-Dichloroethene	156-59-2	42	42	8.4	ug/kg	U	UJ	C
cis-1,3-Dichloropropene	10061-01-5	42	42	8.4	ug/kg	U	UJ	C
Dibromochloromethane	124-48-1	42	42	6.8	ug/kg	U	UJ	C
Ethylbenzene	100-41-4	42	42	6.8	ug/kg	U	UJ	C
m,p-Xylenes	1330-20-7	84	84	15	ug/kg	U	UJ	C

Analysis Method 8260B

Methylene chloride	75-09-2	84	84	34	ug/kg	U	UJ	C
o-Xylene	95-47-6	42	42	6.8	ug/kg	U	UJ	C
Styrene	100-42-5	42	42	5.1	ug/kg	U	UJ	C
Tetrachloroethene	127-18-4	42	42	6.8	ug/kg	U	UJ	C
Toluene	108-88-3	42	42	5.9	ug/kg	U	UJ	C
trans-1,2-Dichloroethene	156-60-5	42	42	9.3	ug/kg	U	UJ	C
trans-1,3-Dichloropropene	10061-02-6	84	84	5.9	ug/kg	U	UJ	C
Trichloroethene	79-01-6	42	42	8.4	ug/kg	U	UJ	C
Vinyl chloride	75-01-4	42	42	12	ug/kg	U	UJ	C

Analysis Method 8270C

Sample Name DAASS-040-0001-SO **AnalysisType:** RES

Lab Sample Name: 877666 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	410	410	21	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	410	410	25	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	410	410	20	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	410	410	19	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	510	510	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	510	510	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	510	510	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	410	410	100	ug/kg	U	UJ	C
2,4-Dinitrophenol	51-28-5	2000	2000	700	ug/kg	U	UJ	C
2,4-Dinitrotoluene	121-14-2	410	410	25	ug/kg	U	UJ	C
2,6-Dinitrotoluene	606-20-2	410	410	25	ug/kg	U	UJ	C
2-Chloronaphthalene	91-58-7	410	410	23	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	510	510	350	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	280	ug/kg	U	UJ	C
2-Methylnaphthalene	91-57-6	380	410	26	ug/kg	J	J	C
2-Methylphenol	95-48-7	1000	1000	430	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	410	410	23	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	510	510	290	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	510	510	150	ug/kg	U	UJ	C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	C
4-Bromophenyl phenyl ether	101-55-3	410	410	26	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	510	510	390	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	410	410	40	ug/kg	U	UJ	L, C
4-Chlorophenyl phenyl ether	7005-72-3	410	410	27	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2000	2000	660	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	31	ug/kg	U	UJ	C
4-Nitrophenol	100-02-7	1000	1000	410	ug/kg	U	UJ	C
Acenaphthene	83-32-9	2000	410	25	ug/kg		J	C

Analysis Method 8270C

Acenaphthylene	208-96-8	280	410	25	ug/kg	J	J	C
Acetophenone	98-86-2	410	410	77	ug/kg	U	UJ	C
Anthracene	120-12-7	3200	410	25	ug/kg		J	C
Benzo(a)anthracene	56-55-3	13000	4100	260	ug/kg		J	C
Benzo(a)pyrene	50-32-8	12000	4100	230	ug/kg		J	C
Benzo(b)fluoranthene	205-99-2	18000	4100	260	ug/kg		J	C
Benzo(g,h,i)perylene	191-24-2	3700	410	22	ug/kg		J	C
Benzo(k)fluoranthene	207-08-9	5400	4100	260	ug/kg		J	C
Benzoic acid	65-85-0	2000	2000	300	ug/kg	U	R	L
Benzyl alcohol	100-51-6	1000	1000	85	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	410	410	23	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	410	410	26	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	410	410	31	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	130	1000	89	ug/kg	J	J	C
Butylbenzyl phthalate	85-68-7	410	410	75	ug/kg	U	UJ	C
Carbazole	86-74-8	2500	410	29	ug/kg		J	C
Chrysene	218-01-9	13000	4100	260	ug/kg		J	C
Dibenzo(a,h)anthracene	53-70-3	1700	410	22	ug/kg		J	C
Dibenzofuran	132-64-9	690	410	25	ug/kg		J	C
Diethyl phthalate	84-66-2	410	410	65	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	410	410	64	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	410	410	81	ug/kg	U	UJ	C
Di-n-octyl phthalate	117-84-0	410	410	60	ug/kg	U	UJ	C
Fluoranthene	206-44-0	31000	4100	270	ug/kg		J	C
Fluorene	86-73-7	1600	410	26	ug/kg		J	C
Hexachlorobenzene	118-74-1	410	410	29	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	410	410	63	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	410	410	53	ug/kg	U	UJ	C
Hexachloroethane	67-72-1	410	410	34	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	4100	410	23	ug/kg		J	C
Isophorone	78-59-1	410	410	51	ug/kg	U	UJ	C
Naphthalene	91-20-3	250	410	21	ug/kg	J	J	C

Analysis Method 8270C

Nitrobenzene	98-95-3	410	410	60	ug/kg	U	UJ	C
N-Nitroso-di-n-propylamine	621-64-7	410	410	71	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	820	820	51	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	250	ug/kg	U	UJ	C
Phenanthrene	85-01-8	18000	4100	270	ug/kg		J	C
Phenol	108-95-2	510	510	160	ug/kg	U	UJ	C
Pyrene	129-00-0	23000	4100	270	ug/kg		J	C

Analysis Method 8270C

Sample Name DAASS-041-0001-SO **AnalysisType:** RES

Lab Sample Name: 877664 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	410	410	21	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	410	410	24	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	410	410	20	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	410	410	19	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	510	510	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	510	510	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	510	510	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	410	410	100	ug/kg	U	UJ	C
2,4-Dinitrophenol	51-28-5	2000	2000	700	ug/kg	U	UJ	C
2,4-Dinitrotoluene	121-14-2	410	410	24	ug/kg	U	UJ	C
2,6-Dinitrotoluene	606-20-2	410	410	24	ug/kg	U	UJ	C
2-Chloronaphthalene	91-58-7	410	410	23	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	510	510	340	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	270	ug/kg	U	UJ	C
2-Methylnaphthalene	91-57-6	1000	410	25	ug/kg		J	C
2-Methylphenol	95-48-7	1000	1000	430	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	410	410	23	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	510	510	280	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	510	510	150	ug/kg	U	UJ	C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	C
4-Bromophenyl phenyl ether	101-55-3	410	410	25	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	510	510	390	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	410	410	40	ug/kg	U	UJ	L, C
4-Chlorophenyl phenyl ether	7005-72-3	410	410	26	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2000	2000	660	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	30	ug/kg	U	UJ	C
4-Nitrophenol	100-02-7	1000	1000	410	ug/kg	U	UJ	C
Acenaphthene	83-32-9	660	410	24	ug/kg		J	C

Analysis Method 8270C

Acenaphthylene	208-96-8	100	410	24	ug/kg	J	J	C
Acetophenone	98-86-2	82	410	76	ug/kg	J	J	C
Anthracene	120-12-7	1200	410	24	ug/kg		J	C
Benzo(a)anthracene	56-55-3	3400	410	25	ug/kg		J	C
Benzo(a)pyrene	50-32-8	3200	410	23	ug/kg		J	C
Benzo(b)fluoranthene	205-99-2	4800	410	25	ug/kg		J	C
Benzo(g,h,i)perylene	191-24-2	1700	410	22	ug/kg		J	C
Benzo(k)fluoranthene	207-08-9	1500	410	25	ug/kg		J	C
Benzoic acid	65-85-0	2000	2000	300	ug/kg	U	R	L
Benzyl alcohol	100-51-6	1000	1000	84	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	410	410	23	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	410	410	25	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	410	410	30	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	360	1000	88	ug/kg	J	J	C
Butylbenzyl phthalate	85-68-7	410	410	74	ug/kg	U	UJ	C
Carbazole	86-74-8	780	410	28	ug/kg		J	C
Chrysene	218-01-9	3400	410	25	ug/kg		J	C
Dibenzo(a,h)anthracene	53-70-3	460	410	22	ug/kg		J	C
Dibenzofuran	132-64-9	330	410	24	ug/kg	J	J	C
Diethyl phthalate	84-66-2	410	410	65	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	410	410	64	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	140	410	80	ug/kg	J	J	C
Di-n-octyl phthalate	117-84-0	410	410	60	ug/kg	U	UJ	C
Fluoranthene	206-44-0	9000	4100	260	ug/kg		J	C
Fluorene	86-73-7	540	410	25	ug/kg		J	C
Hexachlorobenzene	118-74-1	410	410	28	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	410	410	63	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	410	410	53	ug/kg	U	UJ	C
Hexachloroethane	67-72-1	410	410	33	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	1600	410	23	ug/kg		J	C
Isophorone	78-59-1	410	410	51	ug/kg	U	UJ	C
Naphthalene	91-20-3	500	410	21	ug/kg		J	C

Analysis Method 8270C

Nitrobenzene	98-95-3	410	410	60	ug/kg	U	UJ	C
N-Nitroso-di-n-propylamine	621-64-7	410	410	71	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	810	810	51	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	C
Phenanthrene	85-01-8	5500	4100	260	ug/kg		J	C
Phenol	108-95-2	510	510	160	ug/kg	U	UJ	C
Pyrene	129-00-0	6200	4100	260	ug/kg		J	C

Validated Sample Result Forms: 83966

Analysis Method 6010C

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898909 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	12600	0.24	0.04	mg/kg	M	J	Q, A
Antimony	7440-36-0	1.3	0.54	0.081	mg/kg		J-	Q
Arsenic	7440-38-2	8.1	0.91	0.13	mg/kg		J-	A
Barium	7440-39-3	124	0.048	0.0081	mg/kg	B	J-	A
Beryllium	7440-41-7	0.44	0.024	0.004	mg/kg		J-	A
Cadmium	7440-43-9	0.23	0.042	0.006	mg/kg	M	J-	Q
Calcium	7440-70-2	3350	0.91	0.06	mg/kg			
Chromium	7440-47-3	156	0.25	0.019	mg/kg	M	J-	A
Cobalt	7440-48-4	10.1	0.099	0.015	mg/kg	M	J-	A, Q
Copper	7440-50-8	443	3.8	0.6	mg/kg		J-	Q, A
Iron	7439-89-6	20500	18	3	mg/kg	M	J-	Q, A
Lead	7439-92-1	32.2	0.24	0.04	mg/kg		J-	A
Magnesium	7439-95-4	1590	0.73	0.12	mg/kg		J-	A
Manganese	7439-96-5	803	1.2	0.16	mg/kg	Y,M	J	E, A
Nickel	7440-02-0	12	0.12	0.018	mg/kg		J-	A
Selenium	7782-49-2	0.081	0.42	0.07	mg/kg	J	J-	Q
Silver	7440-22-4	0.22	0.22	0.017	mg/kg	U	UJ	Q
Thallium	7440-28-0	1.3	0.56	0.04	mg/kg	M	J-	Q
Vanadium	7440-62-2	17.3	0.14	0.011	mg/kg		J-	A
Zinc	7440-66-6	292	0.48	0.04	mg/kg	M	J-	A

Analysis Method 6010C

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: 898916 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	12500	0.24	0.04	mg/kg		J	Q, A
Antimony	7440-36-0	0.59	0.54	0.081	mg/kg		J-	Q
Arsenic	7440-38-2	9.2	0.91	0.13	mg/kg		J-	A
Barium	7440-39-3	119	0.048	0.0081	mg/kg	B	J-	A
Beryllium	7440-41-7	0.53	0.24	0.04	mg/kg		J-	A
Cadmium	7440-43-9	0.22	0.042	0.006	mg/kg		J-	Q
Calcium	7440-70-2	3550	0.91	0.06	mg/kg			
Chromium	7440-47-3	69.2	0.25	0.019	mg/kg		J-	A
Cobalt	7440-48-4	10	0.099	0.015	mg/kg		J-	A, Q
Copper	7440-50-8	358	3.8	0.6	mg/kg		J-	Q, A
Iron	7439-89-6	20800	18	3	mg/kg		J-	Q, A
Lead	7439-92-1	34	0.24	0.04	mg/kg		J-	A
Magnesium	7439-95-4	1610	0.73	0.12	mg/kg		J-	A
Manganese	7439-96-5	1520	1.2	0.16	mg/kg		J	E, A
Nickel	7440-02-0	12.8	0.12	0.018	mg/kg		J-	A
Selenium	7782-49-2	0.42	0.42	0.07	mg/kg	U	UJ	Q, $, MDL changed from 0.07
Silver	7440-22-4	0.22	0.22	0.017	mg/kg	U	UJ	Q
Thallium	7440-28-0	1.4	0.56	0.04	mg/kg		J-	Q
Vanadium	7440-62-2	17.7	0.14	0.011	mg/kg		J-	A
Zinc	7440-66-6	245	0.48	0.04	mg/kg		J-	A

Analysis Method 6010C

Sample Name DL2SS-002M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898914 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	12400	0.24	0.04	mg/kg		J	Q, A
Antimony	7440-36-0	0.46	0.55	0.081	mg/kg	J	J-	Q
Arsenic	7440-38-2	8.7	0.91	0.13	mg/kg		J-	A
Barium	7440-39-3	115	0.048	0.0081	mg/kg	B	J-	A
Beryllium	7440-41-7	0.66	0.24	0.04	mg/kg		J-	A
Cadmium	7440-43-9	0.28	0.042	0.0061	mg/kg		J-	Q
Calcium	7440-70-2	11700	0.91	0.061	mg/kg			
Chromium	7440-47-3	66.7	0.25	0.019	mg/kg		J-	A
Cobalt	7440-48-4	7.2	0.099	0.015	mg/kg		J-	A, Q
Copper	7440-50-8	722	3.8	0.61	mg/kg		J-	Q, A
Iron	7439-89-6	21000	18	3	mg/kg		J-	Q, A
Lead	7439-92-1	36.4	0.24	0.04	mg/kg		J-	A
Magnesium	7439-95-4	1750	0.73	0.12	mg/kg		J-	A
Manganese	7439-96-5	886	1.2	0.16	mg/kg		J	E, A
Nickel	7440-02-0	10.8	0.12	0.018	mg/kg		J-	A
Selenium	7782-49-2	0.42	0.42	0.071	mg/kg	U	UJ	Q, $, MDL changed from 0.071
Silver	7440-22-4	0.22	0.22	0.017	mg/kg	U	UJ	Q
Thallium	7440-28-0	0.73	0.57	0.04	mg/kg		J-	Q
Vanadium	7440-62-2	15.6	0.14	0.011	mg/kg		J-	A
Zinc	7440-66-6	508	0.48	0.04	mg/kg		J-	A

Analysis Method 6010C

Sample Name DL2SS-003M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898915 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	13300	0.24	0.04	mg/kg		J	Q, A
Antimony	7440-36-0	0.73	0.54	0.081	mg/kg		J-	Q
Arsenic	7440-38-2	9.3	0.91	0.13	mg/kg		J-	A
Barium	7440-39-3	73.1	0.048	0.0081	mg/kg	B	J-	A
Beryllium	7440-41-7	0.47	0.24	0.04	mg/kg		J-	A
Cadmium	7440-43-9	0.17	0.042	0.006	mg/kg		J-	Q
Calcium	7440-70-2	4690	0.91	0.06	mg/kg			
Chromium	7440-47-3	89.7	0.25	0.019	mg/kg		J-	A
Cobalt	7440-48-4	7	0.099	0.015	mg/kg		J-	A, Q
Copper	7440-50-8	159	0.38	0.06	mg/kg		J-	Q, A
Iron	7439-89-6	20500	18	3	mg/kg		J-	Q, A
Lead	7439-92-1	35.8	0.24	0.04	mg/kg		J-	A
Magnesium	7439-95-4	2010	0.73	0.12	mg/kg		J-	A
Manganese	7439-96-5	628	1.2	0.16	mg/kg		J	E, A
Nickel	7440-02-0	12.9	0.12	0.018	mg/kg		J-	A
Selenium	7782-49-2	0.42	0.42	0.071	mg/kg	U	UJ	Q, $, RL/Result changed from 0.42 and MDL from 0.071
Silver	7440-22-4	0.22	0.22	0.017	mg/kg	U	UJ	Q
Thallium	7440-28-0	0.6	0.56	0.04	mg/kg		J-	Q
Vanadium	7440-62-2	16.9	0.14	0.011	mg/kg		J-	A
Zinc	7440-66-6	128	0.48	0.04	mg/kg		J-	A

Analysis Method 6010C

Sample Name DL2SS-004M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898917 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	12300	0.24	0.04	mg/kg		J	Q, A
Antimony	7440-36-0	0.82	0.54	0.081	mg/kg		J-	Q
Arsenic	7440-38-2	8.5	0.91	0.13	mg/kg		J-	A
Barium	7440-39-3	80.3	0.048	0.0081	mg/kg	B	J-	A
Beryllium	7440-41-7	0.49	0.24	0.04	mg/kg		J-	A
Cadmium	7440-43-9	0.25	0.042	0.006	mg/kg		J-	Q
Calcium	7440-70-2	5740	0.91	0.06	mg/kg			
Chromium	7440-47-3	95.4	0.25	0.019	mg/kg		J-	A
Cobalt	7440-48-4	7.3	0.099	0.015	mg/kg		J-	A, Q
Copper	7440-50-8	72.5	0.38	0.06	mg/kg		J-	Q, A
Iron	7439-89-6	18500	18	3	mg/kg		J-	Q, A
Lead	7439-92-1	32.2	0.24	0.04	mg/kg		J-	A
Magnesium	7439-95-4	2040	0.73	0.12	mg/kg		J-	A
Manganese	7439-96-5	748	1.2	0.16	mg/kg		J	E, A
Nickel	7440-02-0	14.5	0.12	0.018	mg/kg		J-	A
Selenium	7782-49-2	0.42	0.42	0.07	mg/kg	U	UJ	Q, $, RL/Result changed from 0.42 and MDL from 0.07
Silver	7440-22-4	0.22	0.22	0.017	mg/kg	U	UJ	Q
Thallium	7440-28-0	0.64	0.56	0.04	mg/kg		J-	Q
Vanadium	7440-62-2	14.9	0.14	0.011	mg/kg		J-	A
Zinc	7440-66-6	116	0.48	0.04	mg/kg		J-	A

Analysis Method 6010C

Sample Name DL2SS-005M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898918 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aluminum	7429-90-5	12900	0.24	0.04	mg/kg		J	Q, A
Antimony	7440-36-0	0.32	0.54	0.08	mg/kg	J	J-	Q
Arsenic	7440-38-2	9.7	0.91	0.13	mg/kg		J-	A
Barium	7440-39-3	62.4	0.048	0.008	mg/kg	B	J-	A
Beryllium	7440-41-7	0.46	0.24	0.04	mg/kg		J-	A
Cadmium	7440-43-9	0.21	0.042	0.006	mg/kg		J-	Q
Calcium	7440-70-2	1870	0.91	0.06	mg/kg			
Chromium	7440-47-3	38.2	0.25	0.019	mg/kg		J-	A
Cobalt	7440-48-4	7.5	0.099	0.015	mg/kg		J-	A, Q
Copper	7440-50-8	194	0.38	0.06	mg/kg		J-	Q, A
Iron	7439-89-6	20100	18	3	mg/kg		J-	Q, A
Lead	7439-92-1	31.4	0.24	0.04	mg/kg		J-	A
Magnesium	7439-95-4	1900	0.72	0.12	mg/kg		J-	A
Manganese	7439-96-5	782	1.2	0.16	mg/kg		J	E, A
Nickel	7440-02-0	12.7	0.12	0.018	mg/kg		J-	A
Selenium	7782-49-2	0.42	0.42	0.07	mg/kg	U	UJ	Q, $, RL/Result changed from 0.42 and MDL from 0.07
Silver	7440-22-4	0.22	0.22	0.017	mg/kg	U	UJ	Q
Thallium	7440-28-0	0.68	0.56	0.04	mg/kg		J-	Q
Vanadium	7440-62-2	17	0.14	0.011	mg/kg		J-	A
Zinc	7440-66-6	180	0.48	0.04	mg/kg		J-	A

Analysis Method 6010C-NaK

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898909 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	997	150	11	mg/kg			
Sodium	7440-23-5	60.4	52	4	mg/kg			

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: 898916 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	748	150	11	mg/kg			
Sodium	7440-23-5	42	52	4	mg/kg	J	J	

Sample Name DL2SS-002M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898914 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	859	150	11	mg/kg			
Sodium	7440-23-5	60.9	53	4	mg/kg			

Sample Name DL2SS-003M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898915 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	731	150	11	mg/kg			
Sodium	7440-23-5	42.6	52	4	mg/kg	J	J	

Sample Name DL2SS-004M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898917 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	937	150	11	mg/kg			
Sodium	7440-23-5	56.6	52	4	mg/kg			

Analysis Method 6010C-NaK

Sample Name DL2SS-005M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898918 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Potassium	7440-09-7	578	140	11	mg/kg			
Sodium	7440-23-5	25	52	4	mg/kg	J	J	

Analysis Method 7196A

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898909 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	3.9	10	2.6	mg/kg	JM	J	C, Q

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: 898916 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	2.8	10	2.6	mg/kg	J	J	C, Q

Sample Name DL2SS-002M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898914 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	4.9	10	2.6	mg/kg	J	J	C, Q

Sample Name DL2SS-003M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898915 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	10	10	2.6	mg/kg	U	R	Q

Sample Name DL2SS-004M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898917 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	4.9	10	2.6	mg/kg	J	J	C, Q

Analysis Method 7196A

Sample Name DL2SS-005M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898918 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Hexavalent Chromium	18540-29-9	10	10	2.6	mg/kg	U	R	Q

Analysis Method 7471A

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898909 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.031	0.008	0.0024	mg/kg	Y	J	E, Q

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: 898916 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.023	0.008	0.0024	mg/kg		J	E, Q

Sample Name DL2SS-002M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898914 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.029	0.008	0.0024	mg/kg		J	E, Q

Sample Name DL2SS-003M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898915 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.024	0.008	0.0024	mg/kg		J	E, Q

Sample Name DL2SS-004M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898917 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.028	0.008	0.0024	mg/kg		J	E, Q

Analysis Method 7471A

Sample Name DL2SS-005M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898918 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Mercury	7439-97-6	0.028	0.0079	0.0024	mg/kg		J	E, Q

Analysis Method 8081A

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: L11030544-01 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.355	1.78	0.355	ug/kg	UQ	UJ	C
4,4'-DDE	72-55-9	0.355	1.78	0.355	ug/kg	UQ	UJ	C
4,4'-DDT	50-29-3	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Aldrin	309-00-2	0.355	1.78	0.355	ug/kg	UQ	UJ	C
alpha-BHC	319-84-6	0.355	1.78	0.355	ug/kg	UQ	UJ	C
alpha-Chlordane	5103-71-9	0.355	1.78	0.355	ug/kg	UQ	UJ	C
beta-BHC	319-85-7	0.355	1.78	0.355	ug/kg	UQ	UJ	C
delta-BHC	319-86-8	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Dieldrin	60-57-1	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Endosulfan I	959-98-8	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Endosulfan II	33213-65-9	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Endosulfan sulfate	1031-07-8	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Endrin	72-20-8	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Endrin aldehyde	7421-93-4	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Endrin ketone	53494-70-5	0.355	1.78	0.355	ug/kg	UQ	UJ	C
gamma-BHC	58-89-9	0.355	1.78	0.355	ug/kg	UQ	UJ	C
gamma-Chlordane	5103-74-2	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Heptachlor	76-44-8	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Heptachlor epoxide	1024-57-3	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Methoxychlor	72-43-5	0.355	1.78	0.355	ug/kg	UQ	UJ	C
Toxaphene	8001-35-2	18	35.5	18	ug/kg	UQ	UJ	C

Analysis Method 8081A

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: L11030544-02 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
4,4'-DDD	72-54-8	0.365	1.82	0.365	ug/kg	UQ	UJ	C
4,4'-DDE	72-55-9	0.365	1.82	0.365	ug/kg	UQ	UJ	C
4,4'-DDT	50-29-3	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Aldrin	309-00-2	0.365	1.82	0.365	ug/kg	UQ	UJ	C
alpha-BHC	319-84-6	0.365	1.82	0.365	ug/kg	UQ	UJ	C
alpha-Chlordane	5103-71-9	0.365	1.82	0.365	ug/kg	UQ	UJ	C
beta-BHC	319-85-7	0.365	1.82	0.365	ug/kg	UQ	UJ	C
delta-BHC	319-86-8	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Dieldrin	60-57-1	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Endosulfan I	959-98-8	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Endosulfan II	33213-65-9	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Endosulfan sulfate	1031-07-8	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Endrin	72-20-8	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Endrin aldehyde	7421-93-4	0.365	1.82	0.365	ug/kg	UQ	UJ	C
gamma-BHC	58-89-9	0.365	1.82	0.365	ug/kg	UQ	UJ	C
gamma-Chlordane	5103-74-2	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Heptachlor	76-44-8	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Heptachlor epoxide	1024-57-3	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Methoxychlor	72-43-5	0.365	1.82	0.365	ug/kg	UQ	UJ	C
Toxaphene	8001-35-2	18.5	36.5	18.5	ug/kg	UQ	UJ	C

Analysis Method 8082

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898909 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	100	100	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	100	100	20	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	100	100	27	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	100	100	29	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	100	100	29	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	100	100	23	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	100	100	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	100	100	21	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	100	100	28	ug/kg	U	UJ	C

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: 898916 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Aroclor 1016	12674-11-2	100	100	10	ug/kg	U	UJ	C
Aroclor 1221	11104-28-2	100	100	20	ug/kg	U	UJ	C
Aroclor 1232	11141-16-5	100	100	27	ug/kg	U	UJ	C
Aroclor 1242	53469-21-9	100	100	29	ug/kg	U	UJ	C
Aroclor 1248	12672-29-6	100	100	29	ug/kg	U	UJ	C
Aroclor 1254	11097-69-1	100	100	23	ug/kg	U	UJ	C
Aroclor 1260	11096-82-5	100	100	12	ug/kg	U	UJ	C
Aroclor 1262	37324-23-5	100	100	21	ug/kg	U	UJ	C
Aroclor 1268	11100-14-4	100	100	28	ug/kg	U	UJ	C

Analysis Method 8260B

Sample Name DL2SS-006-0001-SO **AnalysisType:** RES

Lab Sample Name: 898919 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	71	71	14	ug/kg	U	UJ	C
1,1,2,2-Tetrachloroethane	79-34-5	71	71	8.5	ug/kg	U	UJ	C
1,1,2-Trichloroethane	79-00-5	71	71	11	ug/kg	U	UJ	C
1,1-Dichloroethane	75-34-3	71	71	16	ug/kg	U	UJ	C
1,1-Dichloroethene	75-35-4	71	71	23	ug/kg	U	UJ	C
1,2-Dibromoethane	106-93-4	71	71	14	ug/kg	U	UJ	C
1,2-Dichloroethane	107-06-2	71	71	17	ug/kg	U	UJ	C
1,2-Dichloropropane	78-87-5	71	71	9.9	ug/kg	U	UJ	C
2-Butanone	78-93-3	710	710	140	ug/kg	U	UJ	C
2-Hexanone	591-78-6	710	710	96	ug/kg	U	UJ	C
4-Methyl-2-pentanone	108-10-1	710	710	120	ug/kg	U	UJ	C
Acetone	67-64-1	1400	1400	89	ug/kg	U	UJ	C
Benzene	71-43-2	71	71	7.1	ug/kg	U	UJ	C
Bromochloromethane	74-97-5	71	71	11	ug/kg	U	UJ	C
Bromodichloromethane	75-27-4	71	71	13	ug/kg	U	UJ	C
Bromoform	75-25-2	71	71	8.5	ug/kg	U	UJ	C
Bromomethane	74-83-9	140	140	43	ug/kg	U	UJ	C
Carbon disulfide	75-15-0	140	140	21	ug/kg	U	UJ	C
Carbon tetrachloride	56-23-5	71	71	16	ug/kg	U	UJ	C
Chlorobenzene	108-90-7	71	71	11	ug/kg	U	UJ	C
Chloroethane	75-00-3	140	140	27	ug/kg	UY	UJ	C
Chloroform	67-66-3	71	71	13	ug/kg	U	UJ	C
Chloromethane	74-87-3	140	140	35	ug/kg	U	UJ	C
cis-1,2-Dichloroethene	156-59-2	71	71	14	ug/kg	U	UJ	C
cis-1,3-Dichloropropene	10061-01-5	71	71	14	ug/kg	U	UJ	C
Dibromochloromethane	124-48-1	71	71	11	ug/kg	U	UJ	C
Ethylbenzene	100-41-4	71	71	11	ug/kg	U	UJ	C
m,p-Xylenes	1330-20-7	140	140	26	ug/kg	U	UJ	C

Analysis Method 8260B

Methylene chloride	75-09-2	140	140	57	ug/kg	U	UJ	C
o-Xylene	95-47-6	71	71	11	ug/kg	U	UJ	C
Styrene	100-42-5	71	71	8.5	ug/kg	U	UJ	C
Tetrachloroethene	127-18-4	71	71	11	ug/kg	U	UJ	C
Toluene	108-88-3	71	71	9.9	ug/kg	U	UJ	C
trans-1,2-Dichloroethene	156-60-5	71	71	16	ug/kg	U	UJ	C
trans-1,3-Dichloropropene	10061-02-6	140	140	9.9	ug/kg	U	UJ	C
Trichloroethene	79-01-6	71	71	14	ug/kg	U	UJ	C
Vinyl chloride	75-01-4	71	71	20	ug/kg	U	UJ	C

Analysis Method 8260B

Sample Name DL2SS-006-0002-SO **AnalysisType:** RES

Lab Sample Name: 898920 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-Trichloroethane	71-55-6	56	56	11	ug/kg	U	UJ	C
1,1,2,2-Tetrachloroethane	79-34-5	56	56	6.7	ug/kg	U	UJ	C
1,1,2-Trichloroethane	79-00-5	56	56	8.9	ug/kg	U	UJ	C
1,1-Dichloroethane	75-34-3	56	56	12	ug/kg	U	UJ	C
1,1-Dichloroethene	75-35-4	56	56	18	ug/kg	U	UJ	C
1,2-Dibromoethane	106-93-4	56	56	11	ug/kg	U	UJ	C
1,2-Dichloroethane	107-06-2	56	56	13	ug/kg	U	UJ	C
1,2-Dichloropropane	78-87-5	56	56	7.8	ug/kg	U	UJ	C
2-Butanone	78-93-3	560	560	110	ug/kg	U	UJ	C
2-Hexanone	591-78-6	560	560	76	ug/kg	U	UJ	C
4-Methyl-2-pentanone	108-10-1	560	560	91	ug/kg	U	UJ	C
Acetone	67-64-1	1100	1100	70	ug/kg	U	UJ	C
Benzene	71-43-2	56	56	5.6	ug/kg	U	UJ	C
Bromochloromethane	74-97-5	56	56	8.9	ug/kg	U	UJ	C
Bromodichloromethane	75-27-4	56	56	10	ug/kg	U	UJ	C
Bromoform	75-25-2	56	56	6.7	ug/kg	U	UJ	C
Bromomethane	74-83-9	110	110	33	ug/kg	U	UJ	C
Carbon disulfide	75-15-0	110	110	17	ug/kg	U	UJ	C
Carbon tetrachloride	56-23-5	56	56	12	ug/kg	U	UJ	C
Chlorobenzene	108-90-7	56	56	8.9	ug/kg	U	UJ	C
Chloroethane	75-00-3	110	110	21	ug/kg	U	UJ	C
Chloroform	67-66-3	56	56	10	ug/kg	U	UJ	C
Chloromethane	74-87-3	110	110	28	ug/kg	U	UJ	C
cis-1,2-Dichloroethene	156-59-2	56	56	11	ug/kg	U	UJ	C
cis-1,3-Dichloropropene	10061-01-5	56	56	11	ug/kg	U	UJ	C
Dibromochloromethane	124-48-1	56	56	8.9	ug/kg	U	UJ	C
Ethylbenzene	100-41-4	56	56	8.9	ug/kg	U	UJ	C
m,p-Xylenes	1330-20-7	110	110	20	ug/kg	U	UJ	C

Analysis Method 8260B

Methylene chloride	75-09-2	110	110	44	ug/kg	U	UJ	C
o-Xylene	95-47-6	56	56	8.9	ug/kg	U	UJ	C
Styrene	100-42-5	56	56	6.7	ug/kg	U	UJ	C
Tetrachloroethene	127-18-4	56	56	8.9	ug/kg	U	UJ	C
Toluene	108-88-3	56	56	7.8	ug/kg	U	UJ	C
trans-1,2-Dichloroethene	156-60-5	56	56	12	ug/kg	U	UJ	C
trans-1,3-Dichloropropene	10061-02-6	110	110	7.8	ug/kg	U	UJ	C
Trichloroethene	79-01-6	56	56	11	ug/kg	U	UJ	C
Vinyl chloride	75-01-4	56	56	16	ug/kg	U	UJ	C

Analysis Method 8270C

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898909 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	400	400	21	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	400	400	24	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	400	400	20	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	400	400	19	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	510	510	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	510	510	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	510	510	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	400	400	100	ug/kg	UM	UJ	Q, C
2,4-Dinitrophenol	51-28-5	2000	2000	700	ug/kg	UM	R	Q
2,4-Dinitrotoluene	121-14-2	400	400	24	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	400	400	24	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	400	400	23	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	510	510	340	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	270	ug/kg	UM	R	Q
2-Methylnaphthalene	91-57-6	400	400	25	ug/kg	U	UJ	C
2-Methylphenol	95-48-7	1000	1000	430	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	400	400	23	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	510	510	280	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	510	510	150	ug/kg	UM	R	Q
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	UM	R	Q
4-Bromophenyl phenyl ether	101-55-3	400	400	25	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	510	510	380	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	400	400	39	ug/kg	UM,Y	R	Q
4-Chlorophenyl phenyl ether	7005-72-3	400	400	26	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2000	2000	660	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	30	ug/kg	U	UJ	Q, C
4-Nitrophenol	100-02-7	1000	1000	400	ug/kg	U	UJ	C
Acenaphthene	83-32-9	400	400	24	ug/kg	U	UJ	C

Analysis Method 8270C

Acenaphthylene	208-96-8	400	400	24	ug/kg	U	UJ	C
Anthracene	120-12-7	400	400	24	ug/kg	U	UJ	C
Benzo(a)anthracene	56-55-3	53	400	25	ug/kg	J	J	C
Benzo(a)pyrene	50-32-8	46	400	23	ug/kg	J	J	C
Benzo(b)fluoranthene	205-99-2	86	400	25	ug/kg	J	J	C
Benzo(g,h,i)perylene	191-24-2	40	400	22	ug/kg	J	J	C
Benzo(k)fluoranthene	207-08-9	48	400	25	ug/kg	J	J	C
Benzoic acid	65-85-0	450	2000	290	ug/kg	J	J	L, Q, C
Benzyl alcohol	100-51-6	1000	1000	84	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	400	400	23	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	400	400	25	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	400	400	30	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	110	1000	88	ug/kg	J	J	C
Butylbenzyl phthalate	85-68-7	400	400	74	ug/kg	U	UJ	C
Carbazole	86-74-8	400	400	28	ug/kg	U	UJ	C
Chrysene	218-01-9	74	400	25	ug/kg	J	J	C
Dibenzo(a,h)anthracene	53-70-3	400	400	22	ug/kg	U	UJ	C
Dibenzofuran	132-64-9	400	400	24	ug/kg	U	UJ	C
Diethyl phthalate	84-66-2	400	400	65	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	400	400	64	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	120	400	80	ug/kg	J	J	C
Di-n-octyl phthalate	117-84-0	400	400	60	ug/kg	U	UJ	C
Fluoranthene	206-44-0	150	400	26	ug/kg	J	J	C
Fluorene	86-73-7	400	400	25	ug/kg	U	UJ	C
Hexachlorobenzene	118-74-1	400	400	28	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	400	400	63	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	400	400	53	ug/kg	UY	UJ	C
Hexachloroethane	67-72-1	400	400	33	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	39	400	23	ug/kg	J	J	C
Isophorone	78-59-1	400	400	51	ug/kg	U	UJ	C
Naphthalene	91-20-3	400	400	21	ug/kg	U	UJ	C
Nitrobenzene	98-95-3	400	400	60	ug/kg	U	R	D

Analysis Method 8270C

N-Nitroso-di-n-propylamine	621-64-7	400	400	71	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	810	810	51	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	Q, C
Phenanthrene	85-01-8	76	400	26	ug/kg	J	J	C
Phenol	108-95-2	510	510	160	ug/kg	U	UJ	C
Pyrene	129-00-0	90	400	26	ug/kg	J	J	C

Analysis Method 8270C

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: 898916 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-Trichlorobenzene	120-82-1	400	400	21	ug/kg	U	UJ	C
1,2-Dichlorobenzene	95-50-1	400	400	24	ug/kg	U	UJ	C
1,3-Dichlorobenzene	541-73-1	400	400	20	ug/kg	U	UJ	C
1,4-Dichlorobenzene	106-46-7	400	400	19	ug/kg	U	UJ	C
2,4,5-Trichlorophenol	95-95-4	500	500	130	ug/kg	U	UJ	C
2,4,6-Trichlorophenol	88-06-2	500	500	130	ug/kg	U	UJ	C
2,4-Dichlorophenol	120-83-2	500	500	120	ug/kg	U	UJ	C
2,4-Dimethylphenol	105-67-9	400	400	99	ug/kg	U	UJ	C
2,4-Dinitrophenol	51-28-5	2000	2000	690	ug/kg	U	UJ	C
2,4-Dinitrotoluene	121-14-2	400	400	24	ug/kg	U	R	D
2,6-Dinitrotoluene	606-20-2	400	400	24	ug/kg	U	R	D
2-Chloronaphthalene	91-58-7	400	400	23	ug/kg	U	UJ	C
2-Chlorophenol	95-57-8	500	500	340	ug/kg	U	UJ	C
2-Methyl-4,6-dinitrophenol	534-52-1	1000	1000	270	ug/kg	U	UJ	C
2-Methylnaphthalene	91-57-6	400	400	25	ug/kg	U	UJ	C
2-Methylphenol	95-48-7	1000	1000	420	ug/kg	U	UJ	C
2-Nitroaniline	88-74-4	400	400	23	ug/kg	U	UJ	C
2-Nitrophenol	88-75-5	500	500	280	ug/kg	U	UJ	C
3,3'-Dichlorobenzidine	91-94-1	500	500	150	ug/kg	U	UJ	C
3-Nitroaniline	99-09-2	1000	1000	22	ug/kg	U	UJ	C
4-Bromophenyl phenyl ether	101-55-3	400	400	25	ug/kg	U	UJ	C
4-Chloro-3-methylphenol	59-50-7	500	500	380	ug/kg	U	UJ	C
4-Chloroaniline	106-47-8	400	400	39	ug/kg	U	UJ	L, C
4-Chlorophenyl phenyl ether	7005-72-3	400	400	26	ug/kg	U	UJ	C
4-Methylphenol	1319-77-3	2000	2000	650	ug/kg	U	UJ	C
4-Nitroaniline	100-01-6	1000	1000	30	ug/kg	U	UJ	C
4-Nitrophenol	100-02-7	1000	1000	400	ug/kg	U	UJ	C
Acenaphthene	83-32-9	400	400	24	ug/kg	U	UJ	C

Analysis Method 8270C

Acenaphthylene	208-96-8	400	400	24	ug/kg	U	UJ	C
Anthracene	120-12-7	400	400	24	ug/kg	U	UJ	C
Benzo(a)anthracene	56-55-3	45	400	25	ug/kg	J	J	C
Benzo(a)pyrene	50-32-8	49	400	23	ug/kg	J	J	C
Benzo(b)fluoranthene	205-99-2	87	400	25	ug/kg	J	J	C
Benzo(g,h,i)perylene	191-24-2	36	400	22	ug/kg	J	J	C
Benzo(k)fluoranthene	207-08-9	42	400	25	ug/kg	J	J	C
Benzoic acid	65-85-0	2000	2000	290	ug/kg	U	UJ	L, C
Benzyl alcohol	100-51-6	1000	1000	83	ug/kg	U	UJ	C
Bis(2-chloroethoxy)methane	111-91-1	400	400	23	ug/kg	U	UJ	C
Bis(2-chloroethyl) ether	111-44-4	400	400	25	ug/kg	U	UJ	C
Bis(2-chloroisopropyl) ether	108-60-1	400	400	30	ug/kg	U	UJ	C
Bis(2-ethylhexyl) phthalate	117-81-7	1000	1000	87	ug/kg	U	UJ	C
Butylbenzyl phthalate	85-68-7	400	400	73	ug/kg	U	UJ	C
Carbazole	86-74-8	400	400	28	ug/kg	U	UJ	C
Chrysene	218-01-9	59	400	25	ug/kg	J	J	C
Dibenzo(a,h)anthracene	53-70-3	400	400	22	ug/kg	U	UJ	C
Dibenzofuran	132-64-9	400	400	24	ug/kg	U	UJ	C
Diethyl phthalate	84-66-2	400	400	64	ug/kg	U	UJ	C
Dimethyl phthalate	131-11-3	400	400	63	ug/kg	U	UJ	C
Di-n-butyl phthalate	84-74-2	400	400	79	ug/kg	U	UJ	C
Di-n-octyl phthalate	117-84-0	400	400	59	ug/kg	U	UJ	C
Fluoranthene	206-44-0	69	400	26	ug/kg	J	J	C
Fluorene	86-73-7	400	400	25	ug/kg	U	UJ	C
Hexachlorobenzene	118-74-1	400	400	28	ug/kg	U	UJ	C
Hexachlorobutadiene	87-68-3	400	400	62	ug/kg	U	UJ	C
Hexachlorocyclopentadiene	77-47-4	400	400	52	ug/kg	U	UJ	C
Hexachloroethane	67-72-1	400	400	33	ug/kg	U	UJ	C
Indeno(1,2,3-cd)pyrene	193-39-5	39	400	23	ug/kg	J	J	C
Isophorone	78-59-1	400	400	50	ug/kg	U	UJ	C
Naphthalene	91-20-3	400	400	21	ug/kg	U	UJ	C
Nitrobenzene	98-95-3	400	400	59	ug/kg	U	R	D

Analysis Method 8270C

N-Nitroso-di-n-propylamine	621-64-7	400	400	70	ug/kg	U	UJ	C
N-Nitrosodiphenylamine	86-30-6	800	800	50	ug/kg	U	UJ	C
Pentachlorophenol	87-86-5	1000	1000	240	ug/kg	U	UJ	C
Phenanthrene	85-01-8	26	400	26	ug/kg	J	J	C
Phenol	108-95-2	500	500	160	ug/kg	U	UJ	C
Pyrene	129-00-0	58	400	26	ug/kg	J	J	C

Analysis Method 8330B

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898909 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.5	0.5	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.4	0.4	0.08	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.4	0.4	0.09	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.5	0.5	0.08	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.25	0.25	0.07	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.25	0.25	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.5	0.5	0.09	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.25	0.25	0.07	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.25	0.25	0.07	mg/kg	U	UJ	H. C
4-Nitrotoluene	99-99-0	0.4	0.4	0.07	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.4	0.4	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.25	0.25	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	2	2	0.5	mg/kg	UY	UJ	H, C
PETN	78-11-5	2	2	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.5	0.5	0.14	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.4	0.4	0.09	mg/kg	U	UJ	H, C

Analysis Method 8330B

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: 898916 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-Trinitrobenzene	99-35-4	0.5	0.5	0.13	mg/kg	U	UJ	H, C
1,3-Dinitrobenzene	99-65-0	0.4	0.4	0.079	mg/kg	U	UJ	H, C
2,4,6-Trinitrotoluene	118-96-7	0.4	0.4	0.089	mg/kg	U	UJ	H, C
2,4-Dinitrotoluene	121-14-2	0.5	0.5	0.079	mg/kg	U	UJ	H, C
2,6-Dinitrotoluene	606-20-2	0.25	0.25	0.069	mg/kg	U	UJ	H, C
2-Amino-4,6-dinitrotoluene	35572-78-2	0.25	0.25	0.05	mg/kg	U	UJ	H, C
2-Nitrotoluene	88-72-2	0.5	0.5	0.089	mg/kg	U	UJ	H, C
3-Nitrotoluene	99-08-1	0.25	0.25	0.069	mg/kg	U	UJ	H, C
4-Amino-2,6-dinitrotoluene	19406-51-0	0.25	0.25	0.069	mg/kg	U	UJ	H. C
4-Nitrotoluene	99-99-0	0.4	0.4	0.069	mg/kg	U	UJ	H, C
HMX	2691-41-0	0.4	0.4	0.12	mg/kg	U	UJ	H, C
Nitrobenzene	98-95-3	0.25	0.25	0.04	mg/kg	U	UJ	H, C
Nitroglycerin	55-63-0	2	2	0.5	mg/kg	U	UJ	H, C
PETN	78-11-5	2	2	0.5	mg/kg	U	UJ	H, C
RDX	121-82-4	0.5	0.5	0.14	mg/kg	U	UJ	H, C
Tetryl	479-45-8	0.4	0.4	0.089	mg/kg	U	UJ	H, C

Analysis Method 8330B-NG

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898909 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.25	0.25	0.06	mg/kg	U	UJ	H, C

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: 898916 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitroguanidine	556-88-7	0.25	0.25	0.059	mg/kg	U	UJ	H, C

Analysis Method 9056M

Sample Name DL2SS-001M-0001-SO **AnalysisType:** RES

Lab Sample Name: 898909 **Validation Level:** IV

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	100	100	13	mg/kg	UM	UJ	Q, C

Sample Name DL2SS-001M-0002-SO **AnalysisType:** RES

Lab Sample Name: 898916 **Validation Level:** III

	CAS No	Result Value	RL	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
Nitrocellulose	9004-70-0	100	100	13	mg/kg	U	UJ	Q, C

APPENDIX B

Sample Qualification Summary

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8082	DAASS-040-0001-SO	Aroclor 1016	51	51	ug/kg	UJ	C
8082	DAASS-040-0001-SO	Aroclor 1221	51	51	ug/kg	UJ	C
8082	DAASS-040-0001-SO	Aroclor 1232	51	51	ug/kg	UJ	C
8082	DAASS-040-0001-SO	Aroclor 1242	51	51	ug/kg	UJ	C
8082	DAASS-040-0001-SO	Aroclor 1248	51	51	ug/kg	UJ	C
8082	DAASS-040-0001-SO	Aroclor 1254	51	51	ug/kg	UJ	C
8082	DAASS-040-0001-SO	Aroclor 1260	51	51	ug/kg	UJ	C
8082	DAASS-040-0001-SO	Aroclor 1262	51	51	ug/kg	UJ	C
8082	DAASS-040-0001-SO	Aroclor 1268	51	51	ug/kg	UJ	C
6010C	DAASS-040-0001-SO	Aluminum	13400	0.61	mg/kg	J	Q, A
6010C	DAASS-040-0001-SO	Antimony	0.87	1.4	mg/kg	J	Q
6010C	DAASS-040-0001-SO	Arsenic	11	0.92	mg/kg	J-	Q, A
6010C	DAASS-040-0001-SO	Beryllium	1.3	0.024	mg/kg	J+	Q
6010C	DAASS-040-0001-SO	Cadmium	0.75	0.11	mg/kg	J	*III, E
6010C	DAASS-040-0001-SO	Calcium	25800	2.5	mg/kg	J	Q, A
6010C	DAASS-040-0001-SO	Cobalt	9.2	0.1	mg/kg	J-	Q
6010C	DAASS-040-0001-SO	Copper	18.1	1	mg/kg	J	Q, A
6010C	DAASS-040-0001-SO	Iron	19200	2	mg/kg	J-	Q
6010C	DAASS-040-0001-SO	Lead	45.9	0.29	mg/kg	J-	Q, A
6010C	DAASS-040-0001-SO	Magnesium	4440	0.81	mg/kg	J	Q, A
6010C	DAASS-040-0001-SO	Nickel	19.6	0.12	mg/kg	J-	Q
6010C	DAASS-040-0001-SO	Silver	0.29	0.29	mg/kg	J	Q, *III
6010C	DAASS-040-0001-SO	Zinc	88.1	0.24	mg/kg	J-	Q
7196A	DAASS-040-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DAASS-040-0001-SO	Mercury	0.034	0.008	mg/kg	J	E
8081A	DAASS-040-0001-SO	4,4'-DDD	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	4,4'-DDE	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	4,4'-DDT	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	Aldrin	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	alpha-BHC	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	alpha-Chlordane	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	beta-BHC	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	delta-BHC	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	Dieldrin	1.41	1.62	ug/kg	J	C, $, -, *III, result changed
8081A	DAASS-040-0001-SO	Endosulfan I	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	Endosulfan II	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	Endosulfan sulfate	1.66	1.62	ug/kg	J	C, S
8081A	DAASS-040-0001-SO	Endrin	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	Endrin aldehyde	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	Endrin ketone	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	gamma-BHC	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	gamma-Chlordane	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	Heptachlor	3.49	1.62	ug/kg	J	C, $, -, *III, result changed
8081A	DAASS-040-0001-SO	Heptachlor epoxide	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	Methoxychlor	1.62	1.62	ug/kg	UJ	C
8081A	DAASS-040-0001-SO	Toxaphene	32.5	32.5	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	1,2,4-	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DAASS-040-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2,4,5-	510	510	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2,4,6-	510	510	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2-	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2-	380	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	3,3'-	510	510	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	4-Bromophenyl	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	4-Chloro-3-	510	510	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	4-Chloroaniline	410	410	ug/kg	UJ	L, C
8270C	DAASS-040-0001-SO	4-Chlorophenyl	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Acenaphthene	2000	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Acenaphthylene	280	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Acetophenone	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Anthracene	3200	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Benzo(a)anthracene	13000	4100	ug/kg	J	C
8270C	DAASS-040-0001-SO	Benzo(a)pyrene	12000	4100	ug/kg	J	C
8270C	DAASS-040-0001-SO	Benzo(b)fluoranthen	18000	4100	ug/kg	J	C
8270C	DAASS-040-0001-SO	Benzo(g,h,i)perylene	3700	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Benzo(k)fluoranthen	5400	4100	ug/kg	J	C
8270C	DAASS-040-0001-SO	Benzoic acid	2000	2000	ug/kg	R	L
8270C	DAASS-040-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Bis(2-chloroethyl)	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Bis(2-ethylhexyl)	130	1000	ug/kg	J	C
8270C	DAASS-040-0001-SO	Butylbenzyl	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Carbazole	2500	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Chrysene	13000	4100	ug/kg	J	C
8270C	DAASS-040-0001-SO	Dibenzo(a,h)anthrac	1700	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Dibenzofuran	690	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Diethyl phthalate	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Di-n-butyl phthalate	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Fluoranthene	31000	4100	ug/kg	J	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DAASS-040-0001-SO	Fluorene	1600	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Hexachlorobutadien	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Hexachlorocyclopent	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Indeno(1,2,3-	4100	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Isophorone	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Naphthalene	250	410	ug/kg	J	C
8270C	DAASS-040-0001-SO	Nitrobenzene	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	N-Nitroso-di-n-	410	410	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	N-	820	820	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Phenanthrene	18000	4100	ug/kg	J	C
8270C	DAASS-040-0001-SO	Phenol	510	510	ug/kg	UJ	C
8270C	DAASS-040-0001-SO	Pyrene	23000	4100	ug/kg	J	C
8082	DAASS-041-0001-SO	Aroclor 1016	50	50	ug/kg	UJ	C
8082	DAASS-041-0001-SO	Aroclor 1221	50	50	ug/kg	UJ	C
8082	DAASS-041-0001-SO	Aroclor 1232	50	50	ug/kg	UJ	C
8082	DAASS-041-0001-SO	Aroclor 1242	50	50	ug/kg	UJ	C
8082	DAASS-041-0001-SO	Aroclor 1248	50	50	ug/kg	UJ	C
8082	DAASS-041-0001-SO	Aroclor 1254	50	50	ug/kg	UJ	C
8082	DAASS-041-0001-SO	Aroclor 1260	50	50	ug/kg	UJ	C
8082	DAASS-041-0001-SO	Aroclor 1262	50	50	ug/kg	UJ	C
8082	DAASS-041-0001-SO	Aroclor 1268	50	50	ug/kg	UJ	C
6010C	DAASS-041-0001-SO	Aluminum	10800	0.61	mg/kg	J	Q, A
6010C	DAASS-041-0001-SO	Antimony	1.3	1.4	mg/kg	J	Q
6010C	DAASS-041-0001-SO	Arsenic	14.4	0.92	mg/kg	J-	A
6010C	DAASS-041-0001-SO	Beryllium	0.94	0.061	mg/kg	J+	Q
6010C	DAASS-041-0001-SO	Cadmium	0.88	0.11	mg/kg	J	*III, E
6010C	DAASS-041-0001-SO	Calcium	20200	2.5	mg/kg	J	Q, A
6010C	DAASS-041-0001-SO	Cobalt	9.9	0.1	mg/kg	J-	Q
6010C	DAASS-041-0001-SO	Copper	23.4	1	mg/kg	J	Q, A
6010C	DAASS-041-0001-SO	Iron	20000	2	mg/kg	J-	Q
6010C	DAASS-041-0001-SO	Lead	58.5	0.28	mg/kg	J-	Q, A
6010C	DAASS-041-0001-SO	Magnesium	4410	2	mg/kg	J	Q, A
6010C	DAASS-041-0001-SO	Nickel	21.1	0.12	mg/kg	J-	Q
6010C	DAASS-041-0001-SO	Silver	0.28	0.28	mg/kg	J	Q, *III
6010C	DAASS-041-0001-SO	Zinc	101	0.24	mg/kg	J-	Q
7196A	DAASS-041-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DAASS-041-0001-SO	Mercury	0.043	0.008	mg/kg	J	E
8081A	DAASS-041-0001-SO	4,4'-DDD	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	4,4'-DDE	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	4,4'-DDT	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	Aldrin	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	alpha-BHC	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	alpha-Chlordane	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	beta-BHC	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	delta-BHC	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	Dieldrin	1.65	1.65	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8081A	DAASS-041-0001-SO	Endosulfan I	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	Endosulfan II	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	Endosulfan sulfate	0.429	1.65	ug/kg	J	C, S
8081A	DAASS-041-0001-SO	Endrin	2.72	1.65	ug/kg	J	C, $, -, result changed from
8081A	DAASS-041-0001-SO	Endrin aldehyde	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	Endrin ketone	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	gamma-BHC	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	gamma-Chlordane	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	Heptachlor	2.17	1.65	ug/kg	J	C, $, -, *III, result changed
8081A	DAASS-041-0001-SO	Heptachlor epoxide	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	Methoxychlor	1.65	1.65	ug/kg	UJ	C
8081A	DAASS-041-0001-SO	Toxaphene	16.7	32.9	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	1,2,4-	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2,4,5-	510	510	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2,4,6-	510	510	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2-	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2-	1000	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	3,3'-	510	510	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	4-Bromophenyl	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	4-Chloro-3-	510	510	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	4-Chloroaniline	410	410	ug/kg	UJ	L, C
8270C	DAASS-041-0001-SO	4-Chlorophenyl	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Acenaphthene	660	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Acenaphthylene	100	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Acetophenone	82	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Anthracene	1200	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Benzo(a)anthracene	3400	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Benzo(a)pyrene	3200	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Benzo(b)fluoranthen	4800	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Benzo(g,h,i)perylene	1700	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Benzo(k)fluoranthen	1500	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Benzoic acid	2000	2000	ug/kg	R	L

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DAASS-041-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Bis(2-chloroethyl)	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Bis(2-ethylhexyl)	360	1000	ug/kg	J	C
8270C	DAASS-041-0001-SO	Butylbenzyl	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Carbazole	780	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Chrysene	3400	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Dibenzo(a,h)anthrac	460	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Dibenzofuran	330	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Diethyl phthalate	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Di-n-butyl phthalate	140	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Fluoranthene	9000	4100	ug/kg	J	C
8270C	DAASS-041-0001-SO	Fluorene	540	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Hexachlorobutadien	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Hexachlorocyclopent	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Indeno(1,2,3-	1600	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Isophorone	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Naphthalene	500	410	ug/kg	J	C
8270C	DAASS-041-0001-SO	Nitrobenzene	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	N-Nitroso-di-n-	410	410	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	N-	810	810	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Phenanthrene	5500	4100	ug/kg	J	C
8270C	DAASS-041-0001-SO	Phenol	510	510	ug/kg	UJ	C
8270C	DAASS-041-0001-SO	Pyrene	6200	4100	ug/kg	J	C
8260B	DAASS-042-0001-SO	1,1,1-	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	1,1,2,2-	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	1,1,2-	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	1,1-Dichloroethane	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	1,1-Dichloroethene	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	1,2-Dibromoethane	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	1,2-Dichloroethane	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	1,2-Dichloropropane	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	2-Butanone	680	680	ug/kg	R	*II
8260B	DAASS-042-0001-SO	2-Hexanone	680	680	ug/kg	R	*II
8260B	DAASS-042-0001-SO	4-Methyl-2-	680	680	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Acetone	1400	1400	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Benzene	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Bromochloromethan	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Bromodichlorometh	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Bromoform	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Bromomethane	140	140	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Carbon disulfide	140	140	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Carbon tetrachloride	68	68	ug/kg	R	*II

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8260B	DAASS-042-0001-SO	Chlorobenzene	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Chloroethane	140	140	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Chloroform	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Chloromethane	140	140	ug/kg	R	*II
8260B	DAASS-042-0001-SO	cis-1,2-	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	cis-1,3-	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Dibromochlorometh	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Ethylbenzene	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	m,p-Xylenes	140	140	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Methylene chloride	140	140	ug/kg	R	*II
8260B	DAASS-042-0001-SO	o-Xylene	12	68	ug/kg	J	C, *II
8260B	DAASS-042-0001-SO	Styrene	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Tetrachloroethene	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Toluene	13	68	ug/kg	J	C, *II
8260B	DAASS-042-0001-SO	trans-1,2-	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	trans-1,3-	140	140	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Trichloroethene	68	68	ug/kg	R	*II
8260B	DAASS-042-0001-SO	Vinyl chloride	68	68	ug/kg	R	*II
8260B	DAASS-043-0001-SO	1,1,1-	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	1,1,2,2-	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	1,1,2-	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	1,1-Dichloroethane	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	1,1-Dichloroethene	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	1,2-Dibromoethane	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	1,2-Dichloroethane	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	1,2-Dichloropropane	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	2-Butanone	530	530	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	2-Hexanone	530	530	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	4-Methyl-2-	530	530	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Acetone	1100	1100	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Benzene	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Bromochloromethan	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Bromodichlorometh	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Bromoform	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Bromomethane	110	110	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Carbon disulfide	110	110	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Carbon tetrachloride	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Chlorobenzene	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Chloroethane	110	110	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Chloroform	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Chloromethane	110	110	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	cis-1,2-	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	cis-1,3-	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Dibromochlorometh	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Ethylbenzene	9.2	53	ug/kg	J	C
8260B	DAASS-043-0001-SO	m,p-Xylenes	26	110	ug/kg	J	C
8260B	DAASS-043-0001-SO	Methylene chloride	110	110	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	o-Xylene	22	53	ug/kg	J	C
8260B	DAASS-043-0001-SO	Styrene	53	53	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8260B	DAASS-043-0001-SO	Tetrachloroethene	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Toluene	18	53	ug/kg	J	C
8260B	DAASS-043-0001-SO	trans-1,2-	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	trans-1,3-	110	110	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Trichloroethene	53	53	ug/kg	UJ	C
8260B	DAASS-043-0001-SO	Vinyl chloride	53	53	ug/kg	UJ	C
8082	DL2SS-001M-0001-SO	Aroclor 1016	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0001-SO	Aroclor 1221	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0001-SO	Aroclor 1232	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0001-SO	Aroclor 1242	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0001-SO	Aroclor 1248	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0001-SO	Aroclor 1254	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0001-SO	Aroclor 1260	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0001-SO	Aroclor 1262	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0001-SO	Aroclor 1268	100	100	ug/kg	UJ	C
6010C	DL2SS-001M-0001-SO	Aluminum	12600	0.24	mg/kg	J	Q, A
6010C	DL2SS-001M-0001-SO	Antimony	1.3	0.54	mg/kg	J-	Q
6010C	DL2SS-001M-0001-SO	Arsenic	8.1	0.91	mg/kg	J-	A
6010C	DL2SS-001M-0001-SO	Barium	124	0.048	mg/kg	J-	A
6010C	DL2SS-001M-0001-SO	Beryllium	0.44	0.024	mg/kg	J-	A
6010C	DL2SS-001M-0001-SO	Cadmium	0.23	0.042	mg/kg	J-	Q
6010C	DL2SS-001M-0001-SO	Chromium	156	0.25	mg/kg	J-	A
6010C	DL2SS-001M-0001-SO	Cobalt	10.1	0.099	mg/kg	J-	A, Q
6010C	DL2SS-001M-0001-SO	Copper	443	3.8	mg/kg	J-	Q, A
6010C	DL2SS-001M-0001-SO	Iron	20500	18	mg/kg	J-	Q, A
6010C	DL2SS-001M-0001-SO	Lead	32.2	0.24	mg/kg	J-	A
6010C	DL2SS-001M-0001-SO	Magnesium	1590	0.73	mg/kg	J-	A
6010C	DL2SS-001M-0001-SO	Manganese	803	1.2	mg/kg	J	E, A
6010C	DL2SS-001M-0001-SO	Nickel	12	0.12	mg/kg	J-	A
6010C	DL2SS-001M-0001-SO	Selenium	0.081	0.42	mg/kg	J-	Q
6010C	DL2SS-001M-0001-SO	Silver	0.22	0.22	mg/kg	UJ	Q
6010C	DL2SS-001M-0001-SO	Thallium	1.3	0.56	mg/kg	J-	Q
6010C	DL2SS-001M-0001-SO	Vanadium	17.3	0.14	mg/kg	J-	A
6010C	DL2SS-001M-0001-SO	Zinc	292	0.48	mg/kg	J-	A
7196A	DL2SS-001M-0001-SO	Hexavalent	3.9	10	mg/kg	J	C, Q
7471A	DL2SS-001M-0001-SO	Mercury	0.031	0.008	mg/kg	J	E, Q
8081A	DL2SS-001M-0001-SO	4,4'-DDD	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	4,4'-DDE	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	4,4'-DDT	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Aldrin	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	alpha-BHC	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	alpha-Chlordane	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	beta-BHC	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	delta-BHC	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Dieldrin	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Endosulfan I	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Endosulfan II	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Endosulfan sulfate	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Endrin	0.355	1.78	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8081A	DL2SS-001M-0001-SO	Endrin aldehyde	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Endrin ketone	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	gamma-BHC	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	gamma-Chlordane	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Heptachlor	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Heptachlor epoxide	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Methoxychlor	0.355	1.78	ug/kg	UJ	C
8081A	DL2SS-001M-0001-SO	Toxaphene	18	35.5	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	1,2,4-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	1,2-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	1,3-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	1,4-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	2,4,5-	510	510	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	2,4,6-	510	510	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	2,4-Dimethylphenol	400	400	ug/kg	UJ	Q, C
8270C	DL2SS-001M-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	R	Q
8270C	DL2SS-001M-0001-SO	2,4-Dinitrotoluene	400	400	ug/kg	R	D
8270C	DL2SS-001M-0001-SO	2,6-Dinitrotoluene	400	400	ug/kg	R	D
8270C	DL2SS-001M-0001-SO	2-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	2-Methyl-4,6-	1000	1000	ug/kg	R	Q
8270C	DL2SS-001M-0001-SO	2-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	2-Nitroaniline	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	3,3'-	510	510	ug/kg	R	Q
8270C	DL2SS-001M-0001-SO	3-Nitroaniline	1000	1000	ug/kg	R	Q
8270C	DL2SS-001M-0001-SO	4-Bromophenyl	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	4-Chloro-3-	510	510	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	4-Chloroaniline	400	400	ug/kg	R	Q
8270C	DL2SS-001M-0001-SO	4-Chlorophenyl	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	Q, C
8270C	DL2SS-001M-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Acenaphthene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Acenaphthylene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Anthracene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Benzo(a)anthracene	53	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Benzo(a)pyrene	46	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Benzo(b)fluoranthen	86	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Benzo(g,h,i)perylene	40	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Benzo(k)fluoranthen	48	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Benzoic acid	450	2000	ug/kg	J	L, Q, C
8270C	DL2SS-001M-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Bis(2-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Bis(2-chloroethyl)	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Bis(2-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Bis(2-ethylhexyl)	110	1000	ug/kg	J	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DL2SS-001M-0001-SO	Butylbenzyl	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Carbazole	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Chrysene	74	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Dibenzo(a,h)anthrac	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Dibenzofuran	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Diethyl phthalate	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Dimethyl phthalate	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Di-n-butyl phthalate	120	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Di-n-octyl phthalate	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Fluoranthene	150	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Fluorene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Hexachlorobenzene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Hexachlorobutadien	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Hexachlorocyclopent	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Hexachloroethane	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Indeno(1,2,3-	39	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Isophorone	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Naphthalene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Nitrobenzene	400	400	ug/kg	R	D
8270C	DL2SS-001M-0001-SO	N-Nitroso-di-n-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	N-	810	810	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	Q, C
8270C	DL2SS-001M-0001-SO	Phenanthrene	76	400	ug/kg	J	C
8270C	DL2SS-001M-0001-SO	Phenol	510	510	ug/kg	UJ	C
8270C	DL2SS-001M-0001-SO	Pyrene	90	400	ug/kg	J	C
8330B	DL2SS-001M-0001-SO	1,3,5-	0.5	0.5	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	1,3-Dinitrobenzene	0.4	0.4	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	2,4,6-Trinitrotoluene	0.4	0.4	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	2,4-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	2,6-Dinitrotoluene	0.25	0.25	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	2-Amino-4,6-	0.25	0.25	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	2-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	3-Nitrotoluene	0.25	0.25	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	4-Amino-2,6-	0.25	0.25	mg/kg	UJ	H. C
8330B	DL2SS-001M-0001-SO	4-Nitrotoluene	0.4	0.4	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	HMX	0.4	0.4	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	Nitrobenzene	0.25	0.25	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	Nitroglycerin	2	2	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	PETN	2	2	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	RDX	0.5	0.5	mg/kg	UJ	H, C
8330B	DL2SS-001M-0001-SO	Tetryl	0.4	0.4	mg/kg	UJ	H, C
8330B-	DL2SS-001M-0001-SO	Nitroguanidine	0.25	0.25	mg/kg	UJ	H, C
9056M	DL2SS-001M-0001-SO	Nitrocellulose	100	100	mg/kg	UJ	Q, C
8082	DL2SS-001M-0002-SO	Aroclor 1016	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0002-SO	Aroclor 1221	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0002-SO	Aroclor 1232	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0002-SO	Aroclor 1242	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0002-SO	Aroclor 1248	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0002-SO	Aroclor 1254	100	100	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8082	DL2SS-001M-0002-SO	Aroclor 1260	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0002-SO	Aroclor 1262	100	100	ug/kg	UJ	C
8082	DL2SS-001M-0002-SO	Aroclor 1268	100	100	ug/kg	UJ	C
6010C	DL2SS-001M-0002-SO	Aluminum	12500	0.24	mg/kg	J	Q, A
6010C	DL2SS-001M-0002-SO	Antimony	0.59	0.54	mg/kg	J-	Q
6010C	DL2SS-001M-0002-SO	Arsenic	9.2	0.91	mg/kg	J-	A
6010C	DL2SS-001M-0002-SO	Barium	119	0.048	mg/kg	J-	A
6010C	DL2SS-001M-0002-SO	Beryllium	0.53	0.24	mg/kg	J-	A
6010C	DL2SS-001M-0002-SO	Cadmium	0.22	0.042	mg/kg	J-	Q
6010C	DL2SS-001M-0002-SO	Chromium	69.2	0.25	mg/kg	J-	A
6010C	DL2SS-001M-0002-SO	Cobalt	10	0.099	mg/kg	J-	A, Q
6010C	DL2SS-001M-0002-SO	Copper	358	3.8	mg/kg	J-	Q, A
6010C	DL2SS-001M-0002-SO	Iron	20800	18	mg/kg	J-	Q, A
6010C	DL2SS-001M-0002-SO	Lead	34	0.24	mg/kg	J-	A
6010C	DL2SS-001M-0002-SO	Magnesium	1610	0.73	mg/kg	J-	A
6010C	DL2SS-001M-0002-SO	Manganese	1520	1.2	mg/kg	J	E, A
6010C	DL2SS-001M-0002-SO	Nickel	12.8	0.12	mg/kg	J-	A
6010C	DL2SS-001M-0002-SO	Selenium	0.42	0.42	mg/kg	UJ	Q, $, MDL changed from 0.07
6010C	DL2SS-001M-0002-SO	Silver	0.22	0.22	mg/kg	UJ	Q
6010C	DL2SS-001M-0002-SO	Thallium	1.4	0.56	mg/kg	J-	Q
6010C	DL2SS-001M-0002-SO	Vanadium	17.7	0.14	mg/kg	J-	A
6010C	DL2SS-001M-0002-SO	Zinc	245	0.48	mg/kg	J-	A
7196A	DL2SS-001M-0002-SO	Hexavalent	2.8	10	mg/kg	J	C, Q
7471A	DL2SS-001M-0002-SO	Mercury	0.023	0.008	mg/kg	J	E, Q
8081A	DL2SS-001M-0002-SO	4,4'-DDD	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	4,4'-DDE	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	4,4'-DDT	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Aldrin	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	alpha-BHC	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	alpha-Chlordane	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	beta-BHC	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	delta-BHC	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Dieldrin	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Endosulfan I	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Endosulfan II	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Endosulfan sulfate	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Endrin	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Endrin aldehyde	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	gamma-BHC	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	gamma-Chlordane	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Heptachlor	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Heptachlor epoxide	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Methoxychlor	0.365	1.82	ug/kg	UJ	C
8081A	DL2SS-001M-0002-SO	Toxaphene	18.5	36.5	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	1,2,4-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	1,2-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	1,3-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	1,4-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2,4,5-	500	500	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DL2SS-001M-0002-SO	2,4,6-	500	500	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2,4-Dichlorophenol	500	500	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2,4-Dimethylphenol	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2,4-Dinitrophenol	2000	2000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2,4-Dinitrotoluene	400	400	ug/kg	R	D
8270C	DL2SS-001M-0002-SO	2,6-Dinitrotoluene	400	400	ug/kg	R	D
8270C	DL2SS-001M-0002-SO	2-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2-Chlorophenol	500	500	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2-Nitroaniline	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	2-Nitrophenol	500	500	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	3,3'-	500	500	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	4-Bromophenyl	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	4-Chloro-3-	500	500	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	4-Chloroaniline	400	400	ug/kg	UJ	L, C
8270C	DL2SS-001M-0002-SO	4-Chlorophenyl	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Acenaphthene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Acenaphthylene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Anthracene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Benzo(a)anthracene	45	400	ug/kg	J	C
8270C	DL2SS-001M-0002-SO	Benzo(a)pyrene	49	400	ug/kg	J	C
8270C	DL2SS-001M-0002-SO	Benzo(b)fluoranthen	87	400	ug/kg	J	C
8270C	DL2SS-001M-0002-SO	Benzo(g,h,i)perylene	36	400	ug/kg	J	C
8270C	DL2SS-001M-0002-SO	Benzo(k)fluoranthen	42	400	ug/kg	J	C
8270C	DL2SS-001M-0002-SO	Benzoic acid	2000	2000	ug/kg	UJ	L, C
8270C	DL2SS-001M-0002-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Bis(2-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Bis(2-chloroethyl)	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Bis(2-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Bis(2-ethylhexyl)	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Butylbenzyl	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Carbazole	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Chrysene	59	400	ug/kg	J	C
8270C	DL2SS-001M-0002-SO	Dibenzo(a,h)anthrac	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Dibenzofuran	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Diethyl phthalate	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Dimethyl phthalate	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Di-n-butyl phthalate	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Di-n-octyl phthalate	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Fluoranthene	69	400	ug/kg	J	C
8270C	DL2SS-001M-0002-SO	Fluorene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Hexachlorobenzene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Hexachlorobutadien	400	400	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DL2SS-001M-0002-SO	Hexachlorocyclopent	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Hexachloroethane	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Indeno(1,2,3-	39	400	ug/kg	J	C
8270C	DL2SS-001M-0002-SO	Isophorone	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Naphthalene	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Nitrobenzene	400	400	ug/kg	R	D
8270C	DL2SS-001M-0002-SO	N-Nitroso-di-n-	400	400	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	N-	800	800	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Phenanthrene	26	400	ug/kg	J	C
8270C	DL2SS-001M-0002-SO	Phenol	500	500	ug/kg	UJ	C
8270C	DL2SS-001M-0002-SO	Pyrene	58	400	ug/kg	J	C
8330B	DL2SS-001M-0002-SO	1,3,5-	0.5	0.5	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	1,3-Dinitrobenzene	0.4	0.4	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	2,4,6-Trinitrotoluene	0.4	0.4	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	2,4-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	2,6-Dinitrotoluene	0.25	0.25	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	2-Amino-4,6-	0.25	0.25	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	2-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	3-Nitrotoluene	0.25	0.25	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	4-Amino-2,6-	0.25	0.25	mg/kg	UJ	H. C
8330B	DL2SS-001M-0002-SO	4-Nitrotoluene	0.4	0.4	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	HMX	0.4	0.4	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	Nitrobenzene	0.25	0.25	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	Nitroglycerin	2	2	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	PETN	2	2	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	RDX	0.5	0.5	mg/kg	UJ	H, C
8330B	DL2SS-001M-0002-SO	Tetryl	0.4	0.4	mg/kg	UJ	H, C
8330B-	DL2SS-001M-0002-SO	Nitroguanidine	0.25	0.25	mg/kg	UJ	H, C
9056M	DL2SS-001M-0002-SO	Nitrocellulose	100	100	mg/kg	UJ	Q, C
6010C	DL2SS-002M-0001-SO	Aluminum	12400	0.24	mg/kg	J	Q, A
6010C	DL2SS-002M-0001-SO	Antimony	0.46	0.55	mg/kg	J-	Q
6010C	DL2SS-002M-0001-SO	Arsenic	8.7	0.91	mg/kg	J-	A
6010C	DL2SS-002M-0001-SO	Barium	115	0.048	mg/kg	J-	A
6010C	DL2SS-002M-0001-SO	Beryllium	0.66	0.24	mg/kg	J-	A
6010C	DL2SS-002M-0001-SO	Cadmium	0.28	0.042	mg/kg	J-	Q
6010C	DL2SS-002M-0001-SO	Chromium	66.7	0.25	mg/kg	J-	A
6010C	DL2SS-002M-0001-SO	Cobalt	7.2	0.099	mg/kg	J-	A, Q
6010C	DL2SS-002M-0001-SO	Copper	722	3.8	mg/kg	J-	Q, A
6010C	DL2SS-002M-0001-SO	Iron	21000	18	mg/kg	J-	Q, A
6010C	DL2SS-002M-0001-SO	Lead	36.4	0.24	mg/kg	J-	A
6010C	DL2SS-002M-0001-SO	Magnesium	1750	0.73	mg/kg	J-	A
6010C	DL2SS-002M-0001-SO	Manganese	886	1.2	mg/kg	J	E, A
6010C	DL2SS-002M-0001-SO	Nickel	10.8	0.12	mg/kg	J-	A
6010C	DL2SS-002M-0001-SO	Selenium	0.42	0.42	mg/kg	UJ	Q, $, MDL changed from 0.071
6010C	DL2SS-002M-0001-SO	Silver	0.22	0.22	mg/kg	UJ	Q
6010C	DL2SS-002M-0001-SO	Thallium	0.73	0.57	mg/kg	J-	Q
6010C	DL2SS-002M-0001-SO	Vanadium	15.6	0.14	mg/kg	J-	A
6010C	DL2SS-002M-0001-SO	Zinc	508	0.48	mg/kg	J-	A

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
7196A	DL2SS-002M-0001-SO	Hexavalent	4.9	10	mg/kg	J	C, Q
7471A	DL2SS-002M-0001-SO	Mercury	0.029	0.008	mg/kg	J	E, Q
6010C	DL2SS-003M-0001-SO	Aluminum	13300	0.24	mg/kg	J	Q, A
6010C	DL2SS-003M-0001-SO	Antimony	0.73	0.54	mg/kg	J-	Q
6010C	DL2SS-003M-0001-SO	Arsenic	9.3	0.91	mg/kg	J-	A
6010C	DL2SS-003M-0001-SO	Barium	73.1	0.048	mg/kg	J-	A
6010C	DL2SS-003M-0001-SO	Beryllium	0.47	0.24	mg/kg	J-	A
6010C	DL2SS-003M-0001-SO	Cadmium	0.17	0.042	mg/kg	J-	Q
6010C	DL2SS-003M-0001-SO	Chromium	89.7	0.25	mg/kg	J-	A
6010C	DL2SS-003M-0001-SO	Cobalt	7	0.099	mg/kg	J-	A, Q
6010C	DL2SS-003M-0001-SO	Copper	159	0.38	mg/kg	J-	Q, A
6010C	DL2SS-003M-0001-SO	Iron	20500	18	mg/kg	J-	Q, A
6010C	DL2SS-003M-0001-SO	Lead	35.8	0.24	mg/kg	J-	A
6010C	DL2SS-003M-0001-SO	Magnesium	2010	0.73	mg/kg	J-	A
6010C	DL2SS-003M-0001-SO	Manganese	628	1.2	mg/kg	J	E, A
6010C	DL2SS-003M-0001-SO	Nickel	12.9	0.12	mg/kg	J-	A
6010C	DL2SS-003M-0001-SO	Selenium	0.54	0.54	mg/kg	UJ	Q, $, RL/Result changed from
6010C	DL2SS-003M-0001-SO	Silver	0.22	0.22	mg/kg	UJ	Q
6010C	DL2SS-003M-0001-SO	Thallium	0.6	0.56	mg/kg	J-	Q
6010C	DL2SS-003M-0001-SO	Vanadium	16.9	0.14	mg/kg	J-	A
6010C	DL2SS-003M-0001-SO	Zinc	128	0.48	mg/kg	J-	A
7196A	DL2SS-003M-0001-SO	Hexavalent	10	10	mg/kg	R	Q
7471A	DL2SS-003M-0001-SO	Mercury	0.024	0.008	mg/kg	J	E, Q
6010C	DL2SS-004M-0001-SO	Aluminum	12300	0.24	mg/kg	J	Q, A
6010C	DL2SS-004M-0001-SO	Antimony	0.82	0.54	mg/kg	J-	Q
6010C	DL2SS-004M-0001-SO	Arsenic	8.5	0.91	mg/kg	J-	A
6010C	DL2SS-004M-0001-SO	Barium	80.3	0.048	mg/kg	J-	A
6010C	DL2SS-004M-0001-SO	Beryllium	0.49	0.24	mg/kg	J-	A
6010C	DL2SS-004M-0001-SO	Cadmium	0.25	0.042	mg/kg	J-	Q
6010C	DL2SS-004M-0001-SO	Chromium	95.4	0.25	mg/kg	J-	A
6010C	DL2SS-004M-0001-SO	Cobalt	7.3	0.099	mg/kg	J-	A, Q
6010C	DL2SS-004M-0001-SO	Copper	72.5	0.38	mg/kg	J-	Q, A
6010C	DL2SS-004M-0001-SO	Iron	18500	18	mg/kg	J-	Q, A
6010C	DL2SS-004M-0001-SO	Lead	32.2	0.24	mg/kg	J-	A
6010C	DL2SS-004M-0001-SO	Magnesium	2040	0.73	mg/kg	J-	A
6010C	DL2SS-004M-0001-SO	Manganese	748	1.2	mg/kg	J	E, A
6010C	DL2SS-004M-0001-SO	Nickel	14.5	0.12	mg/kg	J-	A
6010C	DL2SS-004M-0001-SO	Selenium	0.74	0.74	mg/kg	UJ	Q, $, RL/Result changed from
6010C	DL2SS-004M-0001-SO	Silver	0.22	0.22	mg/kg	UJ	Q
6010C	DL2SS-004M-0001-SO	Thallium	0.64	0.56	mg/kg	J-	Q
6010C	DL2SS-004M-0001-SO	Vanadium	14.9	0.14	mg/kg	J-	A
6010C	DL2SS-004M-0001-SO	Zinc	116	0.48	mg/kg	J-	A
7196A	DL2SS-004M-0001-SO	Hexavalent	4.9	10	mg/kg	J	C, Q
7471A	DL2SS-004M-0001-SO	Mercury	0.028	0.008	mg/kg	J	E, Q
6010C	DL2SS-005M-0001-SO	Aluminum	12900	0.24	mg/kg	J	Q, A
6010C	DL2SS-005M-0001-SO	Antimony	0.32	0.54	mg/kg	J-	Q
6010C	DL2SS-005M-0001-SO	Arsenic	9.7	0.91	mg/kg	J-	A
6010C	DL2SS-005M-0001-SO	Barium	62.4	0.048	mg/kg	J-	A
6010C	DL2SS-005M-0001-SO	Beryllium	0.46	0.24	mg/kg	J-	A

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DL2SS-005M-0001-SO	Cadmium	0.21	0.042	mg/kg	J-	Q
6010C	DL2SS-005M-0001-SO	Chromium	38.2	0.25	mg/kg	J-	A
6010C	DL2SS-005M-0001-SO	Cobalt	7.5	0.099	mg/kg	J-	A, Q
6010C	DL2SS-005M-0001-SO	Copper	194	0.38	mg/kg	J-	Q, A
6010C	DL2SS-005M-0001-SO	Iron	20100	18	mg/kg	J-	Q, A
6010C	DL2SS-005M-0001-SO	Lead	31.4	0.24	mg/kg	J-	A
6010C	DL2SS-005M-0001-SO	Magnesium	1900	0.72	mg/kg	J-	A
6010C	DL2SS-005M-0001-SO	Manganese	782	1.2	mg/kg	J	E, A
6010C	DL2SS-005M-0001-SO	Nickel	12.7	0.12	mg/kg	J-	A
6010C	DL2SS-005M-0001-SO	Selenium	0.64	0.64	mg/kg	UJ	Q, $, RL/Result changed from
6010C	DL2SS-005M-0001-SO	Silver	0.22	0.22	mg/kg	UJ	Q
6010C	DL2SS-005M-0001-SO	Thallium	0.68	0.56	mg/kg	J-	Q
6010C	DL2SS-005M-0001-SO	Vanadium	17	0.14	mg/kg	J-	A
6010C	DL2SS-005M-0001-SO	Zinc	180	0.48	mg/kg	J-	A
7196A	DL2SS-005M-0001-SO	Hexavalent	10	10	mg/kg	R	Q
7471A	DL2SS-005M-0001-SO	Mercury	0.028	0.008	mg/kg	J	E, Q
8260B	DL2SS-006-0001-SO	1,1,1-	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	1,1,2,2-	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	1,1,2-	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	1,1-Dichloroethane	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	1,1-Dichloroethene	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	1,2-Dibromoethane	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	1,2-Dichloroethane	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	1,2-Dichloropropane	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	2-Butanone	710	710	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	2-Hexanone	710	710	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	4-Methyl-2-	710	710	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Acetone	1400	1400	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Benzene	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Bromochloromethan	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Bromodichlorometh	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Bromoform	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Bromomethane	140	140	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Carbon disulfide	140	140	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Carbon tetrachloride	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Chlorobenzene	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Chloroethane	140	140	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Chloroform	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Chloromethane	140	140	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	cis-1,2-	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	cis-1,3-	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Dibromochlorometh	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Ethylbenzene	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	m,p-Xylenes	140	140	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Methylene chloride	140	140	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	o-Xylene	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Styrene	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Tetrachloroethene	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Toluene	71	71	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8260B	DL2SS-006-0001-SO	trans-1,2-	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	trans-1,3-	140	140	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Trichloroethene	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0001-SO	Vinyl chloride	71	71	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	1,1,1-	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	1,1,2,2-	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	1,1,2-	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	1,1-Dichloroethane	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	1,1-Dichloroethene	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	1,2-Dibromoethane	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	1,2-Dichloroethane	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	1,2-Dichloropropane	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	2-Butanone	560	560	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	2-Hexanone	560	560	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	4-Methyl-2-	560	560	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Acetone	1100	1100	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Benzene	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Bromochloromethan	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Bromodichlorometh	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Bromoform	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Bromomethane	110	110	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Carbon disulfide	110	110	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Carbon tetrachloride	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Chlorobenzene	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Chloroethane	110	110	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Chloroform	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Chloromethane	110	110	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	cis-1,2-	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	cis-1,3-	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Dibromochlorometh	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Ethylbenzene	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	m,p-Xylenes	110	110	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Methylene chloride	110	110	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	o-Xylene	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Styrene	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Tetrachloroethene	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Toluene	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	trans-1,2-	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	trans-1,3-	110	110	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Trichloroethene	56	56	ug/kg	UJ	C
8260B	DL2SS-006-0002-SO	Vinyl chloride	56	56	ug/kg	UJ	C
6010C	DLASS-001-0001-SO	Antimony	1400	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-001-0001-SO	Arsenic	14.8	0.91	mg/kg	J	Q
6010C	DLASS-001-0001-SO	Barium	78.3	0.055	mg/kg	J-	A, Q
6010C	DLASS-001-0001-SO	Beryllium	0.6	0.024	mg/kg	J	Q
6010C	DLASS-001-0001-SO	Cadmium	0.2	0.043	mg/kg	J	A, Q, E
6010C	DLASS-001-0001-SO	Calcium	7470	1	mg/kg	J	Q
6010C	DLASS-001-0001-SO	Chromium	35.8	0.13	mg/kg	J-	A
6010C	DLASS-001-0001-SO	Cobalt	7.8	0.1	mg/kg	J-	A, Q

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-001-0001-SO	Copper	12.4	0.41	mg/kg	J-	A, Q
6010C	DLASS-001-0001-SO	Iron	23400	2	mg/kg	J-	A
6010C	DLASS-001-0001-SO	Lead	39.5	0.28	mg/kg	J-	A, Q
6010C	DLASS-001-0001-SO	Magnesium	2700	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-001-0001-SO	Manganese	849	0.1	mg/kg	J-	Q
6010C	DLASS-001-0001-SO	Nickel	16.1	0.12	mg/kg	J-	A, Q
6010C	DLASS-001-0001-SO	Selenium	0.85	0.85	mg/kg	UJ	$, Q, B, E, MDL changed from
6010C	DLASS-001-0001-SO	Silver	0.11	0.11	mg/kg	UJ	Q
6010C	DLASS-001-0001-SO	Thallium	0.88	0.28	mg/kg	J-	B, Q
6010C	DLASS-001-0001-SO	Vanadium	16.7	0.069	mg/kg	J	Q
6010C	DLASS-001-0001-SO	Zinc	69.1	0.24	mg/kg	J-	A, Q
7196A	DLASS-001-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-001-0001-SO	Mercury	0.046	0.008	mg/kg	J	E
8082	DLASS-002-0001-SO	Aroclor 1016	51	51	ug/kg	UJ	H, C
8082	DLASS-002-0001-SO	Aroclor 1221	51	51	ug/kg	UJ	H, C
8082	DLASS-002-0001-SO	Aroclor 1232	51	51	ug/kg	UJ	H, C
8082	DLASS-002-0001-SO	Aroclor 1242	51	51	ug/kg	UJ	H, C
8082	DLASS-002-0001-SO	Aroclor 1248	51	51	ug/kg	UJ	H, C
8082	DLASS-002-0001-SO	Aroclor 1254	51	51	ug/kg	UJ	H, C
8082	DLASS-002-0001-SO	Aroclor 1260	51	51	ug/kg	UJ	H, C
8082	DLASS-002-0001-SO	Aroclor 1262	51	51	ug/kg	UJ	H, C
8082	DLASS-002-0001-SO	Aroclor 1268	51	51	ug/kg	UJ	H, C
6010C	DLASS-002-0001-SO	Antimony	99.4	0.55	mg/kg	J-	Q
6010C	DLASS-002-0001-SO	Cadmium	0.29	0.043	mg/kg	J	Q, E
6010C	DLASS-002-0001-SO	Cobalt	9.1	0.1	mg/kg	J-	A, Q
6010C	DLASS-002-0001-SO	Copper	10.3	0.41	mg/kg	J-	A, Q
6010C	DLASS-002-0001-SO	Lead	48.6	0.29	mg/kg	J-	A, Q
6010C	DLASS-002-0001-SO	Magnesium	2290	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-002-0001-SO	Manganese	1510	0.1	mg/kg	J-	Q
6010C	DLASS-002-0001-SO	Nickel	12.8	0.12	mg/kg	J-	A, Q
6010C	DLASS-002-0001-SO	Selenium	1.7	0.86	mg/kg	J	B, Q, E
6010C	DLASS-002-0001-SO	Thallium	0.69	0.29	mg/kg	J-	B, Q
6010C	DLASS-002-0001-SO	Zinc	58.6	0.24	mg/kg	J-	A, Q
7196A	DLASS-002-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
8081A	DLASS-002-0001-SO	4,4'-DDD	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	4,4'-DDE	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	4,4'-DDT	0.784	1.71	ug/kg	J	H, C, $,-, *III, result changed
8081A	DLASS-002-0001-SO	Aldrin	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	alpha Chlordane	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	alpha-BHC	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	beta-BHC	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	delta-BHC	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Dieldrin	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Endosulfan I	0.803	1.71	ug/kg	J	H, $,-, C, result changed from
8081A	DLASS-002-0001-SO	Endosulfan II	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Endosulfan sulfate	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Endrin	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Endrin aldehyde	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Endrin ketone	0.341	1.71	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8081A	DLASS-002-0001-SO	gamma Chlordane	0.74	1.71	ug/kg	J	H, C, $,-,*III, result changed
8081A	DLASS-002-0001-SO	gamma-BHC	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Heptachlor	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Heptachlor epoxide	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Methoxychlor	0.341	1.71	ug/kg	UJ	H, C
8081A	DLASS-002-0001-SO	Toxaphene	17.3	34.1	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	1,2,4-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	2,4,5-	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	2,4,6-	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	H, Q, C
8270C	DLASS-002-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	R	L, Q
8270C	DLASS-002-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-002-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-002-0001-SO	2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	2-Methyl-4,6-	1000	1000	ug/kg	R	Q
8270C	DLASS-002-0001-SO	2-	36	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	3,3'-	510	510	ug/kg	R	Q
8270C	DLASS-002-0001-SO	3-Nitroaniline	1000	1000	ug/kg	R	Q
8270C	DLASS-002-0001-SO	4-Bromophenyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	4-Chloro-3-	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	4-Chloroaniline	410	410	ug/kg	R	Q
8270C	DLASS-002-0001-SO	4-Chlorophenyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Acenaphthene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Acenaphthylene	33	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Acetophenone	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Anthracene	97	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Benzo(a)anthracene	370	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Benzo(a)pyrene	280	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Benzo(b)fluoranthen	440	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Benzo(g,h,i)perylene	150	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Benzo(k)fluoranthen	170	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Benzoic acid	350	2000	ug/kg	J	H, L, Q, C
8270C	DLASS-002-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Bis(2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Bis(2-chloroethyl)	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Bis(2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Bis(2-ethylhexyl)	220	1000	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Butylbenzyl	410	410	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-002-0001-SO	Carbazole	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Chrysene	360	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Dibenzo(a,h)anthrac	50	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Dibenzofuran	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Diethyl phthalate	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Di-n-butyl phthalate	90	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Fluoranthene	720	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Fluorene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Hexachlorobutadien	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Hexachlorocyclopent	410	410	ug/kg	R	Q
8270C	DLASS-002-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Indeno(1,2,3-	150	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Isophorone	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Naphthalene	27	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Nitrobenzene	410	410	ug/kg	R	D
8270C	DLASS-002-0001-SO	N-Nitroso-di-n-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	N-	820	820	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Pentachlorophenol	1000	1000	ug/kg	R	Q
8270C	DLASS-002-0001-SO	Phenanthrene	320	410	ug/kg	J	H, C
8270C	DLASS-002-0001-SO	Phenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0001-SO	Pyrene	570	410	ug/kg	J	H, C
8330B	DLASS-002-0001-SO	1,3,5-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	2,6-Dinitrotoluene	0.51	0.51	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	2-Amino-4,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	4-Amino-2,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	4-Nitrotoluene	0.51	0.51	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	HMX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	RDX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0001-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C
8330B-	DLASS-002-0001-SO	Nitroguanidine	0.11	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-002-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C, Q
8082	DLASS-002-0003-SO	Aroclor 1016	50	50	ug/kg	UJ	H, C
8082	DLASS-002-0003-SO	Aroclor 1221	50	50	ug/kg	UJ	H, C
8082	DLASS-002-0003-SO	Aroclor 1232	50	50	ug/kg	UJ	H, C
8082	DLASS-002-0003-SO	Aroclor 1242	50	50	ug/kg	UJ	H, C
8082	DLASS-002-0003-SO	Aroclor 1248	50	50	ug/kg	UJ	H, C
8082	DLASS-002-0003-SO	Aroclor 1254	50	50	ug/kg	UJ	H, C
8082	DLASS-002-0003-SO	Aroclor 1260	50	50	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8082	DLASS-002-0003-SO	Aroclor 1262	50	50	ug/kg	UJ	H, C
8082	DLASS-002-0003-SO	Aroclor 1268	50	50	ug/kg	UJ	H, C
6010C	DLASS-002-0003-SO	Antimony	113	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-002-0003-SO	Arsenic	10.2	0.91	mg/kg	J	Q
6010C	DLASS-002-0003-SO	Barium	103	0.055	mg/kg	J-	A, Q
6010C	DLASS-002-0003-SO	Beryllium	0.57	0.024	mg/kg	J	Q
6010C	DLASS-002-0003-SO	Cadmium	0.19	0.043	mg/kg	J	A, Q, E
6010C	DLASS-002-0003-SO	Calcium	3720	1	mg/kg	J	Q
6010C	DLASS-002-0003-SO	Chromium	103	0.13	mg/kg	J-	A
6010C	DLASS-002-0003-SO	Cobalt	8.4	0.099	mg/kg	J-	A, Q
6010C	DLASS-002-0003-SO	Copper	10.9	0.41	mg/kg	J-	A, Q
6010C	DLASS-002-0003-SO	Iron	17600	2	mg/kg	J-	A
6010C	DLASS-002-0003-SO	Lead	32.5	0.28	mg/kg	J-	A, Q
6010C	DLASS-002-0003-SO	Magnesium	1580	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-002-0003-SO	Manganese	1290	0.1	mg/kg	J-	Q
6010C	DLASS-002-0003-SO	Nickel	12.4	0.12	mg/kg	J-	A, Q
6010C	DLASS-002-0003-SO	Selenium	0.85	0.85	mg/kg	UJ	Q, E
6010C	DLASS-002-0003-SO	Silver	0.11	0.11	mg/kg	UJ	Q
6010C	DLASS-002-0003-SO	Thallium	0.32	0.28	mg/kg	J-	B, Q
6010C	DLASS-002-0003-SO	Vanadium	21.3	0.069	mg/kg	J	Q
6010C	DLASS-002-0003-SO	Zinc	49.5	0.24	mg/kg	J-	A, Q
7196A	DLASS-002-0003-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-002-0003-SO	Mercury	0.045	0.008	mg/kg	J	E
8081A	DLASS-002-0003-SO	4,4'-DDD	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	4,4'-DDE	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	4,4'-DDT	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Aldrin	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	alpha Chlordane	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	alpha-BHC	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	beta-BHC	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	delta-BHC	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Dieldrin	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Endosulfan I	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Endosulfan II	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Endosulfan sulfate	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Endrin	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Endrin aldehyde	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Endrin ketone	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	gamma Chlordane	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	gamma-BHC	0.627	1.67	ug/kg	NJ	H, C, $, -, *III, result changed
8081A	DLASS-002-0003-SO	Heptachlor	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Heptachlor epoxide	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Methoxychlor	0.335	1.67	ug/kg	UJ	H, C
8081A	DLASS-002-0003-SO	Toxaphene	16.9	33.5	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	1,2,4-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	2,4,5-	510	510	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-002-0003-SO	2,4,6-	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	2,4-Dinitrophenol	2000	2000	ug/kg	R	L
8270C	DLASS-002-0003-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-002-0003-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-002-0003-SO	2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	2-Chlorophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	2-	40	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	2-Methylphenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	2-Nitroaniline	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	2-Nitrophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	3,3'-	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	4-Bromophenyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	4-Chloro-3-	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	4-Chloroaniline	410	410	ug/kg	UJ	H, L, C
8270C	DLASS-002-0003-SO	4-Chlorophenyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	4-Methylphenol	2000	2000	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Acenaphthene	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Acenaphthylene	52	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Acetophenone	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Anthracene	200	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Benzo(a)anthracene	600	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Benzo(a)pyrene	420	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Benzo(b)fluoranthen	690	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Benzo(g,h,i)perylene	190	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Benzo(k)fluoranthen	260	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Benzoic acid	340	2000	ug/kg	J	H, L, C
8270C	DLASS-002-0003-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Bis(2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Bis(2-chloroethyl)	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Bis(2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Bis(2-ethylhexyl)	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Butylbenzyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Carbazole	49	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Chrysene	530	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Dibenzo(a,h)anthrac	66	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Dibenzofuran	24	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Diethyl phthalate	68	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Dimethyl phthalate	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Di-n-butyl phthalate	250	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Fluoranthene	1300	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Fluorene	57	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Hexachlorobenzene	410	410	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-002-0003-SO	Hexachlorobutadien	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Hexachlorocyclopent	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Hexachloroethane	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Indeno(1,2,3-	200	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Isophorone	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Naphthalene	33	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Nitrobenzene	410	410	ug/kg	R	D
8270C	DLASS-002-0003-SO	N-Nitroso-di-n-	410	410	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	N-	810	810	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Phenanthrene	580	410	ug/kg	J	H, C
8270C	DLASS-002-0003-SO	Phenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-002-0003-SO	Pyrene	990	410	ug/kg	J	H, C
8330B	DLASS-002-0003-SO	1,3,5-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	2-Amino-4,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	4-Amino-2,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	HMX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	RDX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-002-0003-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C
8330B-	DLASS-002-0003-SO	Nitroguanidine	0.29	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-002-0003-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C, Q
8260B	DLASS-003-0001-SO	1,1,1-	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	1,1,2,2-	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	1,1,2-	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	1,1-Dichloroethane	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	1,1-Dichloroethene	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	1,2-Dibromoethane	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	1,2-Dichloroethane	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	1,2-Dichloropropane	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	2-Butanone	600	600	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	2-Hexanone	600	600	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	4-Methyl-2-	600	600	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Acetone	1200	1200	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Benzene	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Bromochloromethan	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Bromodichlorometh	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Bromoform	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Bromomethane	120	120	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Carbon disulfide	120	120	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8260B	DLASS-003-0001-SO	Carbon tetrachloride	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Chlorobenzene	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Chloroethane	120	120	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Chloroform	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Chloromethane	120	120	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	cis-1,2-	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	cis-1,3-	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Dibromochlorometh	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Ethylbenzene	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	m,p-Xylenes	120	120	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Methylene chloride	120	120	ug/kg	UJ	Q, C
8260B	DLASS-003-0001-SO	o-Xylene	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Styrene	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Tetrachloroethene	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Toluene	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	trans-1,2-	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	trans-1,3-	120	120	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Trichloroethene	60	60	ug/kg	UJ	C
8260B	DLASS-003-0001-SO	Vinyl chloride	60	60	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	1,1,1-	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	1,1,2,2-	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	1,1,2-	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	1,1-Dichloroethane	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	1,1-Dichloroethene	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	1,2-Dibromoethane	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	1,2-Dichloroethane	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	1,2-Dichloropropane	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	2-Butanone	650	650	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	2-Hexanone	650	650	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	4-Methyl-2-	650	650	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Acetone	1300	1300	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Benzene	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Bromochloromethan	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Bromodichlorometh	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Bromoform	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Bromomethane	130	130	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Carbon disulfide	130	130	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Carbon tetrachloride	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Chlorobenzene	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Chloroethane	130	130	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Chloroform	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Chloromethane	130	130	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	cis-1,2-	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	cis-1,3-	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Dibromochlorometh	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Ethylbenzene	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	m,p-Xylenes	130	130	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Methylene chloride	130	130	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	o-Xylene	65	65	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8260B	DLASS-003-0002-SO	Styrene	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Tetrachloroethene	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Toluene	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	trans-1,2-	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	trans-1,3-	130	130	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Trichloroethene	65	65	ug/kg	UJ	C
8260B	DLASS-003-0002-SO	Vinyl chloride	65	65	ug/kg	UJ	C
6010C	DLASS-004-0001-SO	Antimony	176	0.56	mg/kg	J	Q, E, *III
6010C	DLASS-004-0001-SO	Arsenic	11.2	0.93	mg/kg	J	Q
6010C	DLASS-004-0001-SO	Barium	103	0.056	mg/kg	J-	A, Q
6010C	DLASS-004-0001-SO	Beryllium	0.71	0.025	mg/kg	J	Q
6010C	DLASS-004-0001-SO	Cadmium	0.13	0.043	mg/kg	J	A, Q, E
6010C	DLASS-004-0001-SO	Calcium	13400	1	mg/kg	J	Q
6010C	DLASS-004-0001-SO	Chromium	18.2	0.13	mg/kg	J-	A
6010C	DLASS-004-0001-SO	Cobalt	8.1	0.1	mg/kg	J-	A, Q
6010C	DLASS-004-0001-SO	Copper	10.5	0.41	mg/kg	J-	A, Q
6010C	DLASS-004-0001-SO	Iron	19100	2.1	mg/kg	J-	A
6010C	DLASS-004-0001-SO	Lead	19.2	0.29	mg/kg	J-	A, Q
6010C	DLASS-004-0001-SO	Magnesium	3830	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-004-0001-SO	Manganese	1190	0.1	mg/kg	J-	Q
6010C	DLASS-004-0001-SO	Nickel	16	0.13	mg/kg	J-	A, Q
6010C	DLASS-004-0001-SO	Selenium	0.35	0.87	mg/kg	J	Q, E
6010C	DLASS-004-0001-SO	Silver	0.12	0.12	mg/kg	UJ	Q
6010C	DLASS-004-0001-SO	Thallium	0.94	0.29	mg/kg	J-	B, Q
6010C	DLASS-004-0001-SO	Vanadium	17.5	0.07	mg/kg	J	Q
6010C	DLASS-004-0001-SO	Zinc	55.6	0.25	mg/kg	J-	A, Q
7196A	DLASS-004-0001-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
7471A	DLASS-004-0001-SO	Mercury	0.037	0.008	mg/kg	J	H, E
6010C	DLASS-005-0001-SO	Antimony	550	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-005-0001-SO	Arsenic	11.9	0.92	mg/kg	J	Q
6010C	DLASS-005-0001-SO	Barium	131	0.055	mg/kg	J-	A, Q
6010C	DLASS-005-0001-SO	Beryllium	0.99	0.025	mg/kg	J	Q
6010C	DLASS-005-0001-SO	Cadmium	1.1	0.043	mg/kg	J	A, Q, E
6010C	DLASS-005-0001-SO	Calcium	18500	2.6	mg/kg	J	Q
6010C	DLASS-005-0001-SO	Chromium	39.1	0.32	mg/kg	J-	A
6010C	DLASS-005-0001-SO	Cobalt	11.3	0.25	mg/kg	J-	A, Q
6010C	DLASS-005-0001-SO	Copper	17.7	0.41	mg/kg	J-	A, Q
6010C	DLASS-005-0001-SO	Iron	23900	2.1	mg/kg	J-	A
6010C	DLASS-005-0001-SO	Lead	132	0.29	mg/kg	J-	A, Q
6010C	DLASS-005-0001-SO	Magnesium	4460	2.1	mg/kg	J	*III, Q, A
6010C	DLASS-005-0001-SO	Manganese	1290	0.1	mg/kg	J-	Q
6010C	DLASS-005-0001-SO	Nickel	30.8	0.31	mg/kg	J-	A, Q
6010C	DLASS-005-0001-SO	Selenium	0.65	0.86	mg/kg	J	Q, E
6010C	DLASS-005-0001-SO	Silver	0.2	0.12	mg/kg	J-	Q
6010C	DLASS-005-0001-SO	Thallium	0.8	0.72	mg/kg	J-	Q
6010C	DLASS-005-0001-SO	Vanadium	17.4	0.07	mg/kg	J	Q
6010C	DLASS-005-0001-SO	Zinc	75.5	0.25	mg/kg	J-	A, Q
7196A	DLASS-005-0001-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
7471A	DLASS-005-0001-SO	Mercury	0.089	0.008	mg/kg	J	E

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-006-0001-SO	Antimony	364	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-006-0001-SO	Arsenic	10.5	0.91	mg/kg	J	Q
6010C	DLASS-006-0001-SO	Barium	111	0.055	mg/kg	J-	A, Q
6010C	DLASS-006-0001-SO	Beryllium	0.79	0.024	mg/kg	J	Q
6010C	DLASS-006-0001-SO	Cadmium	0.26	0.043	mg/kg	J	A, Q, E
6010C	DLASS-006-0001-SO	Calcium	13100	1	mg/kg	J	Q
6010C	DLASS-006-0001-SO	Chromium	92.9	0.13	mg/kg	J-	A
6010C	DLASS-006-0001-SO	Cobalt	8.2	0.099	mg/kg	J-	A, Q
6010C	DLASS-006-0001-SO	Copper	11	0.41	mg/kg	J-	A, Q
6010C	DLASS-006-0001-SO	Iron	20300	2	mg/kg	J-	A
6010C	DLASS-006-0001-SO	Lead	30.2	0.28	mg/kg	J-	A, Q
6010C	DLASS-006-0001-SO	Magnesium	3420	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-006-0001-SO	Manganese	1370	0.1	mg/kg	J-	Q
6010C	DLASS-006-0001-SO	Nickel	18.4	0.12	mg/kg	J-	A, Q
6010C	DLASS-006-0001-SO	Selenium	0.97	0.85	mg/kg	J	Q, E
6010C	DLASS-006-0001-SO	Silver	0.18	0.11	mg/kg	J-	Q
6010C	DLASS-006-0001-SO	Thallium	0.96	0.28	mg/kg	J-	Q
6010C	DLASS-006-0001-SO	Vanadium	18.5	0.069	mg/kg	J	Q
6010C	DLASS-006-0001-SO	Zinc	50.8	0.24	mg/kg	J-	A, Q
7196A	DLASS-006-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-006-0001-SO	Mercury	0.048	0.008	mg/kg	J	H, E
6010C	DLASS-007-0001-SO	Antimony	843	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-007-0001-SO	Arsenic	15.5	0.91	mg/kg	J	Q
6010C	DLASS-007-0001-SO	Barium	131	0.055	mg/kg	J-	A, Q
6010C	DLASS-007-0001-SO	Beryllium	0.8	0.024	mg/kg	J	Q
6010C	DLASS-007-0001-SO	Cadmium	0.34	0.043	mg/kg	J	A, Q, E
6010C	DLASS-007-0001-SO	Calcium	9960	1	mg/kg	J	Q
6010C	DLASS-007-0001-SO	Chromium	119	0.13	mg/kg	J-	A
6010C	DLASS-007-0001-SO	Cobalt	9.9	0.1	mg/kg	J-	A, Q
6010C	DLASS-007-0001-SO	Copper	14	0.41	mg/kg	J-	A, Q
6010C	DLASS-007-0001-SO	Iron	22800	2	mg/kg	J-	A
6010C	DLASS-007-0001-SO	Lead	43.8	0.28	mg/kg	J-	A, Q
6010C	DLASS-007-0001-SO	Magnesium	2560	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-007-0001-SO	Manganese	1490	0.1	mg/kg	J-	Q
6010C	DLASS-007-0001-SO	Nickel	25.4	0.12	mg/kg	J-	A, Q
6010C	DLASS-007-0001-SO	Selenium	0.38	0.85	mg/kg	J	Q, E
6010C	DLASS-007-0001-SO	Silver	0.18	0.11	mg/kg	J-	Q
6010C	DLASS-007-0001-SO	Thallium	1.2	0.28	mg/kg	J-	Q
6010C	DLASS-007-0001-SO	Vanadium	20.9	0.069	mg/kg	J	Q
6010C	DLASS-007-0001-SO	Zinc	78.3	0.24	mg/kg	J-	A, Q
7196A	DLASS-007-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-007-0001-SO	Mercury	0.061	0.008	mg/kg	J	H, E
6010C	DLASS-008-0001-SO	Antimony	10.7	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-008-0001-SO	Arsenic	9.7	0.92	mg/kg	J	Q
6010C	DLASS-008-0001-SO	Barium	95.8	0.055	mg/kg	J-	A, Q
6010C	DLASS-008-0001-SO	Beryllium	0.7	0.024	mg/kg	J	Q
6010C	DLASS-008-0001-SO	Cadmium	0.23	0.043	mg/kg	J	A, Q, E
6010C	DLASS-008-0001-SO	Calcium	7650	1	mg/kg	J	Q
6010C	DLASS-008-0001-SO	Chromium	115	0.13	mg/kg	J-	A

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-008-0001-SO	Cobalt	9.3	0.1	mg/kg	J-	A, Q
6010C	DLASS-008-0001-SO	Copper	13.4	0.41	mg/kg	J-	A, Q
6010C	DLASS-008-0001-SO	Iron	31700	2	mg/kg	J-	A
6010C	DLASS-008-0001-SO	Lead	20.7	0.29	mg/kg	J-	A, Q
6010C	DLASS-008-0001-SO	Magnesium	2910	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-008-0001-SO	Manganese	1190	0.1	mg/kg	J-	Q
6010C	DLASS-008-0001-SO	Nickel	21.3	0.12	mg/kg	J-	A, Q
6010C	DLASS-008-0001-SO	Selenium	0.63	0.86	mg/kg	J	B, Q, E
6010C	DLASS-008-0001-SO	Silver	0.11	0.11	mg/kg	UJ	Q
6010C	DLASS-008-0001-SO	Thallium	0.72	0.29	mg/kg	J-	B, Q
6010C	DLASS-008-0001-SO	Vanadium	19.4	0.069	mg/kg	J	Q
6010C	DLASS-008-0001-SO	Zinc	64.2	0.24	mg/kg	J-	A, Q
7196A	DLASS-008-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-008-0001-SO	Mercury	0.04	0.008	mg/kg	J	H, E
6010C	DLASS-009-0001-SO	Antimony	2.3	0.56	mg/kg	J	Q, E, *III
6010C	DLASS-009-0001-SO	Arsenic	13.1	0.93	mg/kg	J	Q
6010C	DLASS-009-0001-SO	Barium	132	0.056	mg/kg	J-	A, Q
6010C	DLASS-009-0001-SO	Beryllium	0.97	0.025	mg/kg	J	Q
6010C	DLASS-009-0001-SO	Cadmium	0.17	0.043	mg/kg	J	A, Q, E
6010C	DLASS-009-0001-SO	Calcium	8690	1	mg/kg	J	Q
6010C	DLASS-009-0001-SO	Chromium	72.5	0.13	mg/kg	J-	A
6010C	DLASS-009-0001-SO	Cobalt	11.9	0.1	mg/kg	J-	A, Q
6010C	DLASS-009-0001-SO	Copper	14.5	0.41	mg/kg	J-	A, Q
6010C	DLASS-009-0001-SO	Iron	25200	2.1	mg/kg	J-	A
6010C	DLASS-009-0001-SO	Lead	24	0.29	mg/kg	J-	A, Q
6010C	DLASS-009-0001-SO	Magnesium	3110	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-009-0001-SO	Manganese	1190	0.1	mg/kg	J-	Q
6010C	DLASS-009-0001-SO	Nickel	23.8	0.13	mg/kg	J-	A, Q
6010C	DLASS-009-0001-SO	Selenium	1.2	0.86	mg/kg	J	Q, E
6010C	DLASS-009-0001-SO	Silver	0.12	0.12	mg/kg	UJ	Q
6010C	DLASS-009-0001-SO	Thallium	0.16	0.29	mg/kg	UJ	B, Q
6010C	DLASS-009-0001-SO	Vanadium	28.7	0.07	mg/kg	J	Q
6010C	DLASS-009-0001-SO	Zinc	74.1	0.25	mg/kg	J-	A, Q
7196A	DLASS-009-0001-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
7471A	DLASS-009-0001-SO	Mercury	0.025	0.008	mg/kg	J	H, E
6010C	DLASS-010-0001-SO	Aluminum	12900	0.25	mg/kg	J	*III
6010C	DLASS-010-0001-SO	Antimony	1.4	0.55	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Arsenic	11.3	0.92	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Barium	96.8	0.055	mg/kg	J	A, Q, *III
6010C	DLASS-010-0001-SO	Beryllium	0.68	0.025	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Cadmium	0.26	0.043	mg/kg	J	Q, E, *III
6010C	DLASS-010-0001-SO	Calcium	4840	1	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Chromium	58.9	0.13	mg/kg	J	A
6010C	DLASS-010-0001-SO	Cobalt	9.9	0.1	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Copper	13.4	0.41	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Lead	19.5	0.29	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Magnesium	2520	0.82	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Manganese	907	0.1	mg/kg	J	*III
6010C	DLASS-010-0001-SO	Nickel	21.1	0.13	mg/kg	J	Q, *III

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-010-0001-SO	Selenium	0.8	0.86	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Silver	0.11	0.11	mg/kg	UJ	*III
6010C	DLASS-010-0001-SO	Thallium	0.78	0.29	mg/kg	J	B, Q, *III
6010C	DLASS-010-0001-SO	Vanadium	23.1	0.07	mg/kg	J	Q, *III
6010C	DLASS-010-0001-SO	Zinc	63	0.25	mg/kg	J	Q
6010C-	DLASS-010-0001-SO	Potassium	917	37	mg/kg	J	*III
6010C-	DLASS-010-0001-SO	Sodium	43	13	mg/kg	J	*III
7196A	DLASS-010-0001-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
7471A	DLASS-010-0001-SO	Mercury	0.035	0.008	mg/kg	J	H, E, *III
6010C	DLASS-011-0001-SO	Antimony	0.31	0.56	mg/kg	J	Q, E, *III
6010C	DLASS-011-0001-SO	Arsenic	11.1	0.94	mg/kg	J	Q
6010C	DLASS-011-0001-SO	Barium	86.3	0.056	mg/kg	J-	A, Q
6010C	DLASS-011-0001-SO	Beryllium	0.69	0.025	mg/kg	J	Q
6010C	DLASS-011-0001-SO	Cadmium	1	0.044	mg/kg	J	A, Q, E
6010C	DLASS-011-0001-SO	Calcium	4630	2.6	mg/kg	J	Q
6010C	DLASS-011-0001-SO	Chromium	26.7	0.33	mg/kg	J-	A
6010C	DLASS-011-0001-SO	Cobalt	11.9	0.26	mg/kg	J-	A, Q
6010C	DLASS-011-0001-SO	Copper	15.2	0.42	mg/kg	J-	A, Q
6010C	DLASS-011-0001-SO	Iron	22600	2.1	mg/kg	J-	A
6010C	DLASS-011-0001-SO	Lead	36.6	0.29	mg/kg	J-	A, Q
6010C	DLASS-011-0001-SO	Magnesium	2690	2.1	mg/kg	J	*III, Q, A
6010C	DLASS-011-0001-SO	Manganese	643	0.1	mg/kg	J-	Q
6010C	DLASS-011-0001-SO	Nickel	21.8	0.32	mg/kg	J-	A, Q
6010C	DLASS-011-0001-SO	Selenium	0.62	0.88	mg/kg	J	Q, E
6010C	DLASS-011-0001-SO	Silver	0.14	0.12	mg/kg	J-	Q
6010C	DLASS-011-0001-SO	Thallium	0.59	0.73	mg/kg	J-	Q
6010C	DLASS-011-0001-SO	Vanadium	19.4	0.071	mg/kg	J	Q
6010C	DLASS-011-0001-SO	Zinc	52.8	0.25	mg/kg	J-	A, Q
7196A	DLASS-011-0001-SO	Hexavalent	6.7	6.7	mg/kg	R	Q
7471A	DLASS-011-0001-SO	Mercury	0.036	0.008	mg/kg	J	E
6010C	DLASS-012-0001-SO	Antimony	3.9	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-012-0001-SO	Arsenic	8.8	0.91	mg/kg	J	Q
6010C	DLASS-012-0001-SO	Barium	86.2	0.055	mg/kg	J-	A, Q
6010C	DLASS-012-0001-SO	Beryllium	0.59	0.024	mg/kg	J	Q
6010C	DLASS-012-0001-SO	Cadmium	0.18	0.043	mg/kg	J	A, Q, E
6010C	DLASS-012-0001-SO	Calcium	3500	1	mg/kg	J	Q
6010C	DLASS-012-0001-SO	Chromium	97.9	0.13	mg/kg	J-	A
6010C	DLASS-012-0001-SO	Cobalt	8.3	0.099	mg/kg	J-	A, Q
6010C	DLASS-012-0001-SO	Copper	11.6	0.41	mg/kg	J-	A, Q
6010C	DLASS-012-0001-SO	Iron	17200	2	mg/kg	J-	A
6010C	DLASS-012-0001-SO	Lead	19.6	0.28	mg/kg	J-	A, Q
6010C	DLASS-012-0001-SO	Magnesium	2280	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-012-0001-SO	Manganese	1040	0.1	mg/kg	J-	Q
6010C	DLASS-012-0001-SO	Nickel	17.6	0.12	mg/kg	J-	A, Q
6010C	DLASS-012-0001-SO	Selenium	0.85	0.85	mg/kg	UJ	Q, E
6010C	DLASS-012-0001-SO	Silver	0.11	0.11	mg/kg	UJ	Q
6010C	DLASS-012-0001-SO	Thallium	0.7	0.28	mg/kg	J-	B, Q
6010C	DLASS-012-0001-SO	Vanadium	23.5	0.069	mg/kg	J	Q
6010C	DLASS-012-0001-SO	Zinc	62.4	0.24	mg/kg	J-	A, Q

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
7196A	DLASS-012-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-012-0001-SO	Mercury	0.04	0.008	mg/kg	J	H, E
6010C	DLASS-013-0001-SO	Antimony	8.7	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-013-0001-SO	Arsenic	9.6	0.92	mg/kg	J	Q
6010C	DLASS-013-0001-SO	Barium	115	0.055	mg/kg	J-	A, Q
6010C	DLASS-013-0001-SO	Beryllium	0.69	0.024	mg/kg	J	Q
6010C	DLASS-013-0001-SO	Cadmium	0.27	0.043	mg/kg	J	A, Q, E
6010C	DLASS-013-0001-SO	Calcium	8870	1	mg/kg	J	Q
6010C	DLASS-013-0001-SO	Chromium	85.1	0.13	mg/kg	J-	A
6010C	DLASS-013-0001-SO	Cobalt	8.3	0.1	mg/kg	J-	A, Q
6010C	DLASS-013-0001-SO	Copper	10.1	0.41	mg/kg	J-	A, Q
6010C	DLASS-013-0001-SO	Iron	21700	2	mg/kg	J-	A
6010C	DLASS-013-0001-SO	Lead	19.2	0.29	mg/kg	J-	A, Q
6010C	DLASS-013-0001-SO	Magnesium	2730	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-013-0001-SO	Manganese	1200	0.1	mg/kg	J-	Q
6010C	DLASS-013-0001-SO	Nickel	17	0.12	mg/kg	J-	A, Q
6010C	DLASS-013-0001-SO	Selenium	1.8	0.86	mg/kg	J	Q, E
6010C	DLASS-013-0001-SO	Silver	0.19	0.11	mg/kg	J-	Q
6010C	DLASS-013-0001-SO	Thallium	0.48	0.29	mg/kg	J-	B, Q
6010C	DLASS-013-0001-SO	Vanadium	21.4	0.069	mg/kg	J	Q
6010C	DLASS-013-0001-SO	Zinc	53.5	0.24	mg/kg	J-	A, Q
7196A	DLASS-013-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-013-0001-SO	Mercury	0.037	0.008	mg/kg	J	H, E
8082	DLASS-014-0001-SO	Aroclor 1016	52	52	ug/kg	UJ	C
8082	DLASS-014-0001-SO	Aroclor 1221	52	52	ug/kg	UJ	C
8082	DLASS-014-0001-SO	Aroclor 1232	52	52	ug/kg	UJ	C
8082	DLASS-014-0001-SO	Aroclor 1242	52	52	ug/kg	UJ	C
8082	DLASS-014-0001-SO	Aroclor 1248	52	52	ug/kg	UJ	C
8082	DLASS-014-0001-SO	Aroclor 1254	52	52	ug/kg	UJ	C
8082	DLASS-014-0001-SO	Aroclor 1260	52	52	ug/kg	UJ	C
8082	DLASS-014-0001-SO	Aroclor 1262	52	52	ug/kg	UJ	C
8082	DLASS-014-0001-SO	Aroclor 1268	52	52	ug/kg	UJ	C
6010C	DLASS-014-0001-SO	Antimony	2.4	0.56	mg/kg	J	Q, E, *III
6010C	DLASS-014-0001-SO	Cadmium	1.1	0.043	mg/kg	J-	A
6010C	DLASS-014-0001-SO	Copper	14.6	0.41	mg/kg	J-	A
6010C	DLASS-014-0001-SO	Iron	22500	2.1	mg/kg	J-	A
6010C	DLASS-014-0001-SO	Magnesium	2540	2.1	mg/kg	J	*III
6010C	DLASS-014-0001-SO	Manganese	738	0.1	mg/kg	J-	Q
6010C	DLASS-014-0001-SO	Silver	0.15	0.12	mg/kg	J-	Q
6010C	DLASS-014-0001-SO	Zinc	47.6	0.25	mg/kg	J-	A
7196A	DLASS-014-0001-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
8081A	DLASS-014-0001-SO	4,4'-DDD	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	4,4'-DDE	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	4,4'-DDT	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Aldrin	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	alpha-BHC	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	alpha-Chlordane	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	beta-BHC	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	delta-BHC	0.42	0.42	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8081A	DLASS-014-0001-SO	Dieldrin	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Endosulfan I	0.829	0.42	ug/kg	J	H, C, result changed from 0.42
8081A	DLASS-014-0001-SO	Endosulfan II	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Endosulfan sulfate	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Endrin	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Endrin aldehyde	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Endrin ketone	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	gamma-BHC	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	gamma-Chlordane	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Heptachlor	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Heptachlor epoxide	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Methoxychlor	0.42	0.42	ug/kg	UJ	H, C
8081A	DLASS-014-0001-SO	Toxaphene	21.3	21.3	ug/kg	UJ	H, C
8270C	DLASS-014-0001-SO	1,2,4-	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2,4,5-	520	520	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2,4,6-	520	520	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2,4-Dichlorophenol	520	520	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2,4-Dinitrophenol	2100	2100	ug/kg	R	Q
8270C	DLASS-014-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-014-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-014-0001-SO	2-	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2-Chlorophenol	520	520	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2-	35	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	2-Nitrophenol	520	520	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	3,3'-	520	520	ug/kg	R	Q
8270C	DLASS-014-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	4-Bromophenyl	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	4-Chloro-3-	520	520	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	4-Chloroaniline	410	410	ug/kg	R	L, Q
8270C	DLASS-014-0001-SO	4-Chlorophenyl	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	4-Methylphenol	2100	2100	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	4-Nitroaniline	1000	1000	ug/kg	R	Q
8270C	DLASS-014-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Acenaphthene	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Acenaphthylene	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Acetophenone	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Anthracene	37	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Benzo(a)anthracene	190	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Benzo(a)pyrene	180	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Benzo(b)fluoranthen	300	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Benzo(g,h,i)perylene	120	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Benzo(k)fluoranthen	130	410	ug/kg	J	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-014-0001-SO	Benzoic acid	980	2100	ug/kg	R	Q
8270C	DLASS-014-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Bis(2-chloroethyl)	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Bis(2-ethylhexyl)	900	1000	ug/kg	J	C
8270C	DLASS-014-0001-SO	Butylbenzyl	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Carbazole	32	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Chrysene	210	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Dibenzo(a,h)anthrac	35	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Dibenzofuran	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Diethyl phthalate	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Di-n-butyl phthalate	120	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Fluoranthene	480	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Fluorene	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Hexachlorobutadien	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Hexachlorocyclopent	410	410	ug/kg	UJ	Q, C
8270C	DLASS-014-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Indeno(1,2,3-	120	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Isophorone	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Naphthalene	30	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Nitrobenzene	410	410	ug/kg	R	D
8270C	DLASS-014-0001-SO	N-Nitroso-di-n-	410	410	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	N-	830	830	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	L, C
8270C	DLASS-014-0001-SO	Phenanthrene	250	410	ug/kg	J	C
8270C	DLASS-014-0001-SO	Phenol	520	520	ug/kg	UJ	C
8270C	DLASS-014-0001-SO	Pyrene	370	410	ug/kg	J	C
8330B	DLASS-014-0001-SO	1,3,5-	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	1,3-Dinitrobenzene	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	2,4,6-Trinitrotoluene	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	2,4-Dinitrotoluene	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	2,6-Dinitrotoluene	0.49	0.49	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	2-Amino-4,6-	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	2-Nitrotoluene	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	3-Nitrotoluene	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	4-Amino-2,6-	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	4-Nitrotoluene	0.49	0.49	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	HMX	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	Nitrobenzene	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	RDX	0.43	0.43	mg/kg	UJ	H, C
8330B	DLASS-014-0001-SO	Tetryl	0.43	0.43	mg/kg	UJ	H, C
8330B-	DLASS-014-0001-SO	Nitroguanidine	0.3	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-014-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8082	DLASS-014-0003-SO	Aroclor 1016	52	52	ug/kg	UJ	C
8082	DLASS-014-0003-SO	Aroclor 1221	52	52	ug/kg	UJ	C
8082	DLASS-014-0003-SO	Aroclor 1232	52	52	ug/kg	UJ	C
8082	DLASS-014-0003-SO	Aroclor 1242	52	52	ug/kg	UJ	C
8082	DLASS-014-0003-SO	Aroclor 1248	52	52	ug/kg	UJ	C
8082	DLASS-014-0003-SO	Aroclor 1254	52	52	ug/kg	UJ	C
8082	DLASS-014-0003-SO	Aroclor 1260	52	52	ug/kg	UJ	C
8082	DLASS-014-0003-SO	Aroclor 1262	52	52	ug/kg	UJ	C
8082	DLASS-014-0003-SO	Aroclor 1268	52	52	ug/kg	UJ	C
6010C	DLASS-014-0003-SO	Antimony	0.47	0.56	mg/kg	J	Q, E, *III
6010C	DLASS-014-0003-SO	Arsenic	10.5	0.93	mg/kg	J	Q
6010C	DLASS-014-0003-SO	Barium	88.9	0.056	mg/kg	J-	A, Q
6010C	DLASS-014-0003-SO	Beryllium	0.61	0.025	mg/kg	J	Q
6010C	DLASS-014-0003-SO	Cadmium	1	0.043	mg/kg	J	A, Q, E
6010C	DLASS-014-0003-SO	Calcium	2910	2.6	mg/kg	J	Q
6010C	DLASS-014-0003-SO	Chromium	30.8	0.33	mg/kg	J-	A
6010C	DLASS-014-0003-SO	Cobalt	9	0.25	mg/kg	J-	A, Q
6010C	DLASS-014-0003-SO	Copper	13.9	0.41	mg/kg	J-	A, Q
6010C	DLASS-014-0003-SO	Iron	22400	2.1	mg/kg	J-	A
6010C	DLASS-014-0003-SO	Lead	30.9	0.29	mg/kg	J-	A, Q
6010C	DLASS-014-0003-SO	Magnesium	2040	2.1	mg/kg	J	*III, Q, A
6010C	DLASS-014-0003-SO	Manganese	760	0.1	mg/kg	J-	Q
6010C	DLASS-014-0003-SO	Nickel	18.2	0.32	mg/kg	J-	A, Q
6010C	DLASS-014-0003-SO	Selenium	0.87	0.87	mg/kg	J	Q, E
6010C	DLASS-014-0003-SO	Silver	0.17	0.12	mg/kg	J-	Q
6010C	DLASS-014-0003-SO	Thallium	0.3	0.72	mg/kg	J-	Q
6010C	DLASS-014-0003-SO	Vanadium	22	0.07	mg/kg	J	Q
6010C	DLASS-014-0003-SO	Zinc	47.6	0.25	mg/kg	J-	A, Q
7196A	DLASS-014-0003-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
7471A	DLASS-014-0003-SO	Mercury	0.045	0.008	mg/kg	J	E
8081A	DLASS-014-0003-SO	4,4'-DDD	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	4,4'-DDE	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	4,4'-DDT	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Aldrin	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	alpha-BHC	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	alpha-Chlordane	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	beta-BHC	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	delta-BHC	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Dieldrin	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Endosulfan I	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Endosulfan II	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Endosulfan sulfate	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Endrin	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Endrin aldehyde	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	gamma-BHC	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	gamma-Chlordane	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Heptachlor	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Heptachlor epoxide	0.475	0.475	ug/kg	UJ	H, C
8081A	DLASS-014-0003-SO	Methoxychlor	0.475	0.475	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8081A	DLASS-014-0003-SO	Toxaphene	24	24	ug/kg	UJ	H, C
8270C	DLASS-014-0003-SO	1,2,4-	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	1,2-Dichlorobenzene	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	1,3-Dichlorobenzene	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	1,4-Dichlorobenzene	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2,4,5-	520	520	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2,4,6-	520	520	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2,4-Dichlorophenol	520	520	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2,4-Dimethylphenol	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2,4-Dinitrophenol	2100	2100	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2,4-Dinitrotoluene	420	420	ug/kg	R	D
8270C	DLASS-014-0003-SO	2,6-Dinitrotoluene	420	420	ug/kg	R	D
8270C	DLASS-014-0003-SO	2-	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2-Chlorophenol	520	520	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2-	28	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2-Nitroaniline	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	2-Nitrophenol	520	520	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	3,3'-	520	520	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	4-Bromophenyl	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	4-Chloro-3-	520	520	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	4-Chloroaniline	420	420	ug/kg	R	L
8270C	DLASS-014-0003-SO	4-Chlorophenyl	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	4-Methylphenol	2100	2100	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Acenaphthene	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Acenaphthylene	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Acetophenone	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Anthracene	38	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Benzo(a)anthracene	180	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Benzo(a)pyrene	170	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Benzo(b)fluoranthen	250	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Benzo(g,h,i)perylene	100	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Benzo(k)fluoranthen	110	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Benzoic acid	560	2100	ug/kg	J	L, C
8270C	DLASS-014-0003-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Bis(2-	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Bis(2-chloroethyl)	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Bis(2-	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Bis(2-ethylhexyl)	290	1000	ug/kg	J	C
8270C	DLASS-014-0003-SO	Butylbenzyl	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Carbazole	37	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Chrysene	210	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Dibenzo(a,h)anthrac	29	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Dibenzofuran	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Diethyl phthalate	420	420	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-014-0003-SO	Dimethyl phthalate	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Di-n-butyl phthalate	96	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Di-n-octyl phthalate	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Fluoranthene	480	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Fluorene	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Hexachlorobenzene	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Hexachlorobutadien	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Hexachlorocyclopent	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Hexachloroethane	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Indeno(1,2,3-	95	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Isophorone	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Naphthalene	24	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Nitrobenzene	420	420	ug/kg	R	D
8270C	DLASS-014-0003-SO	N-Nitroso-di-n-	420	420	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	N-	830	830	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	L, C
8270C	DLASS-014-0003-SO	Phenanthrene	250	420	ug/kg	J	C
8270C	DLASS-014-0003-SO	Phenol	520	520	ug/kg	UJ	C
8270C	DLASS-014-0003-SO	Pyrene	360	420	ug/kg	J	C
8330B	DLASS-014-0003-SO	1,3,5-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	2-Amino-4,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	4-Amino-2,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	HMX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	RDX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-014-0003-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C
8330B-	DLASS-014-0003-SO	Nitroguanidine	0.24	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-014-0003-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C
8260B	DLASS-015-0001-SO	1,1,1-	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	1,1,2,2-	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	1,1,2-	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	1,1-Dichloroethane	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	1,1-Dichloroethene	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	1,2-Dibromoethane	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	1,2-Dichloroethane	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	1,2-Dichloropropane	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	2-Butanone	490	490	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	2-Hexanone	490	490	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	4-Methyl-2-	490	490	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Acetone	970	970	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8260B	DLASS-015-0001-SO	Benzene	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Bromochloromethan	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Bromodichlorometh	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Bromoform	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Bromomethane	97	97	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Carbon disulfide	97	97	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Carbon tetrachloride	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Chlorobenzene	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Chloroethane	97	97	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Chloroform	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Chloromethane	97	97	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	cis-1,2-	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	cis-1,3-	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Dibromochlorometh	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Ethylbenzene	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	m,p-Xylenes	97	97	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Methylene chloride	97	97	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	o-Xylene	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Styrene	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Tetrachloroethene	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Toluene	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	trans-1,2-	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	trans-1,3-	97	97	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Trichloroethene	49	49	ug/kg	UJ	C
8260B	DLASS-015-0001-SO	Vinyl chloride	49	49	ug/kg	UJ	C
6010C	DLASS-016-0001-SO	Antimony	25.1	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-016-0001-SO	Arsenic	9.9	0.92	mg/kg	J	Q
6010C	DLASS-016-0001-SO	Barium	107	0.055	mg/kg	J-	A, Q
6010C	DLASS-016-0001-SO	Beryllium	0.7	0.024	mg/kg	J	Q
6010C	DLASS-016-0001-SO	Cadmium	0.26	0.043	mg/kg	J	A, Q, E
6010C	DLASS-016-0001-SO	Calcium	7990	1	mg/kg	J	Q
6010C	DLASS-016-0001-SO	Chromium	31.1	0.13	mg/kg	J-	A
6010C	DLASS-016-0001-SO	Cobalt	8.4	0.1	mg/kg	J-	A, Q
6010C	DLASS-016-0001-SO	Copper	8.9	0.41	mg/kg	J-	A, Q
6010C	DLASS-016-0001-SO	Iron	26800	2	mg/kg	J-	A
6010C	DLASS-016-0001-SO	Lead	25.1	0.29	mg/kg	J-	A, Q
6010C	DLASS-016-0001-SO	Magnesium	2420	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-016-0001-SO	Manganese	1410	0.1	mg/kg	J-	Q
6010C	DLASS-016-0001-SO	Nickel	11.3	0.12	mg/kg	J-	A, Q
6010C	DLASS-016-0001-SO	Selenium	0.86	0.86	mg/kg	UJ	B, Q, E
6010C	DLASS-016-0001-SO	Silver	0.077	0.11	mg/kg	J-	Q
6010C	DLASS-016-0001-SO	Thallium	0.69	0.29	mg/kg	J-	B, Q
6010C	DLASS-016-0001-SO	Vanadium	22.9	0.069	mg/kg	J	Q
6010C	DLASS-016-0001-SO	Zinc	68.7	0.24	mg/kg	J-	A, Q
7196A	DLASS-016-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-016-0001-SO	Mercury	0.049	0.008	mg/kg	J	E
6010C	DLASS-017-0001-SO	Antimony	2.7	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-017-0001-SO	Arsenic	9.5	0.92	mg/kg	J	Q
6010C	DLASS-017-0001-SO	Barium	121	0.055	mg/kg	J-	A, Q

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-017-0001-SO	Beryllium	0.64	0.024	mg/kg	J	Q
6010C	DLASS-017-0001-SO	Cadmium	0.39	0.043	mg/kg	J	A, Q, E
6010C	DLASS-017-0001-SO	Calcium	4250	1	mg/kg	J	Q
6010C	DLASS-017-0001-SO	Chromium	134	0.13	mg/kg	J-	A
6010C	DLASS-017-0001-SO	Cobalt	9.6	0.1	mg/kg	J-	A, Q
6010C	DLASS-017-0001-SO	Copper	10.8	0.41	mg/kg	J-	A, Q
6010C	DLASS-017-0001-SO	Iron	26000	2	mg/kg	J-	A
6010C	DLASS-017-0001-SO	Lead	23.7	0.28	mg/kg	J-	A, Q
6010C	DLASS-017-0001-SO	Magnesium	1840	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-017-0001-SO	Manganese	1270	0.1	mg/kg	J-	Q
6010C	DLASS-017-0001-SO	Nickel	14.5	0.12	mg/kg	J-	A, Q
6010C	DLASS-017-0001-SO	Selenium	0.5	0.85	mg/kg	J	B, Q, E
6010C	DLASS-017-0001-SO	Silver	0.2	0.11	mg/kg	J-	Q
6010C	DLASS-017-0001-SO	Thallium	0.28	0.28	mg/kg	UJ	B, Q
6010C	DLASS-017-0001-SO	Vanadium	24.4	0.069	mg/kg	J	Q
6010C	DLASS-017-0001-SO	Zinc	104	0.24	mg/kg	J-	A, Q
7196A	DLASS-017-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-017-0001-SO	Mercury	0.052	0.008	mg/kg	J	E
6010C	DLASS-018-0001-SO	Antimony	2.4	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-018-0001-SO	Arsenic	9.7	0.92	mg/kg	J	Q
6010C	DLASS-018-0001-SO	Barium	86.2	0.055	mg/kg	J-	A, Q
6010C	DLASS-018-0001-SO	Beryllium	0.55	0.025	mg/kg	J	Q
6010C	DLASS-018-0001-SO	Cadmium	0.17	0.043	mg/kg	J	A, Q, E
6010C	DLASS-018-0001-SO	Calcium	1420	1	mg/kg	J	Q
6010C	DLASS-018-0001-SO	Chromium	94.9	0.13	mg/kg	J-	A
6010C	DLASS-018-0001-SO	Cobalt	9.2	0.1	mg/kg	J-	A, Q
6010C	DLASS-018-0001-SO	Copper	12.1	0.41	mg/kg	J-	A, Q
6010C	DLASS-018-0001-SO	Iron	24600	2.1	mg/kg	J-	A
6010C	DLASS-018-0001-SO	Lead	29.7	0.29	mg/kg	J-	A, Q
6010C	DLASS-018-0001-SO	Magnesium	1620	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-018-0001-SO	Manganese	1270	0.1	mg/kg	J-	Q
6010C	DLASS-018-0001-SO	Nickel	12.8	0.13	mg/kg	J-	A, Q
6010C	DLASS-018-0001-SO	Selenium	0.93	0.86	mg/kg	J	B, Q, E
6010C	DLASS-018-0001-SO	Silver	0.11	0.11	mg/kg	UJ	Q
6010C	DLASS-018-0001-SO	Thallium	0.53	0.29	mg/kg	J-	B, Q
6010C	DLASS-018-0001-SO	Vanadium	23.2	0.07	mg/kg	J	Q
6010C	DLASS-018-0001-SO	Zinc	52.8	0.25	mg/kg	J-	A, Q
7196A	DLASS-018-0001-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
7471A	DLASS-018-0001-SO	Mercury	0.034	0.008	mg/kg	J	E
6010C	DLASS-019-0001-SO	Antimony	0.59	0.56	mg/kg	J	Q, E, *III
6010C	DLASS-019-0001-SO	Arsenic	9.7	0.93	mg/kg	J	Q
6010C	DLASS-019-0001-SO	Barium	103	0.056	mg/kg	J-	A, Q
6010C	DLASS-019-0001-SO	Beryllium	0.71	0.025	mg/kg	J	Q
6010C	DLASS-019-0001-SO	Cadmium	0.12	0.043	mg/kg	J	A, Q, E
6010C	DLASS-019-0001-SO	Calcium	7830	1	mg/kg	J	Q
6010C	DLASS-019-0001-SO	Chromium	14.8	0.13	mg/kg	J-	A
6010C	DLASS-019-0001-SO	Cobalt	8.2	0.1	mg/kg	J-	A, Q
6010C	DLASS-019-0001-SO	Copper	11.3	0.41	mg/kg	J-	A, Q
6010C	DLASS-019-0001-SO	Iron	16800	2.1	mg/kg	J-	A

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-019-0001-SO	Lead	18.7	0.29	mg/kg	J-	A, Q
6010C	DLASS-019-0001-SO	Magnesium	2000	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-019-0001-SO	Manganese	1230	0.1	mg/kg	J-	Q
6010C	DLASS-019-0001-SO	Nickel	20.4	0.13	mg/kg	J-	A, Q
6010C	DLASS-019-0001-SO	Selenium	0.2	0.87	mg/kg	J	Q, E
6010C	DLASS-019-0001-SO	Silver	0.12	0.12	mg/kg	UJ	Q
6010C	DLASS-019-0001-SO	Thallium	0.58	0.29	mg/kg	J-	B, Q
6010C	DLASS-019-0001-SO	Vanadium	22.9	0.07	mg/kg	J	Q
6010C	DLASS-019-0001-SO	Zinc	45.8	0.25	mg/kg	J-	A, Q
7196A	DLASS-019-0001-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
7471A	DLASS-019-0001-SO	Mercury	0.068	0.008	mg/kg	J	H, E
6010C	DLASS-020-0001-SO	Antimony	20.7	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-020-0001-SO	Arsenic	10.2	0.91	mg/kg	J	Q
6010C	DLASS-020-0001-SO	Barium	104	0.055	mg/kg	J-	A, Q
6010C	DLASS-020-0001-SO	Beryllium	0.81	0.024	mg/kg	J	Q
6010C	DLASS-020-0001-SO	Cadmium	0.19	0.043	mg/kg	J	A, Q, E
6010C	DLASS-020-0001-SO	Calcium	14800	1	mg/kg	J	Q
6010C	DLASS-020-0001-SO	Chromium	106	0.13	mg/kg	J-	A
6010C	DLASS-020-0001-SO	Cobalt	7.4	0.099	mg/kg	J-	A, Q
6010C	DLASS-020-0001-SO	Copper	11.2	0.41	mg/kg	J-	A, Q
6010C	DLASS-020-0001-SO	Iron	17200	2	mg/kg	J-	A
6010C	DLASS-020-0001-SO	Lead	19.1	0.28	mg/kg	J-	A, Q
6010C	DLASS-020-0001-SO	Magnesium	3290	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-020-0001-SO	Manganese	1260	0.1	mg/kg	J-	Q
6010C	DLASS-020-0001-SO	Nickel	18.9	0.12	mg/kg	J-	A, Q
6010C	DLASS-020-0001-SO	Selenium	0.85	0.85	mg/kg	UJ	$, Q, E, MDL changed from
6010C	DLASS-020-0001-SO	Silver	0.062	0.11	mg/kg	J-	Q
6010C	DLASS-020-0001-SO	Thallium	0.81	0.28	mg/kg	J-	B, Q
6010C	DLASS-020-0001-SO	Vanadium	15.8	0.069	mg/kg	J	Q
6010C	DLASS-020-0001-SO	Zinc	48.2	0.24	mg/kg	J-	A, Q
7196A	DLASS-020-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-020-0001-SO	Mercury	0.032	0.008	mg/kg	J	H, E
6010C	DLASS-021-0001-SO	Antimony	3.6	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-021-0001-SO	Arsenic	9.3	0.92	mg/kg	J	Q
6010C	DLASS-021-0001-SO	Barium	172	0.055	mg/kg	J-	A, Q
6010C	DLASS-021-0001-SO	Beryllium	1.2	0.025	mg/kg	J	Q
6010C	DLASS-021-0001-SO	Cadmium	0.26	0.043	mg/kg	J	A, Q, E
6010C	DLASS-021-0001-SO	Calcium	29000	1	mg/kg	J	Q
6010C	DLASS-021-0001-SO	Chromium	118	0.13	mg/kg	J-	A
6010C	DLASS-021-0001-SO	Cobalt	8.1	0.1	mg/kg	J-	A, Q
6010C	DLASS-021-0001-SO	Copper	11.5	0.41	mg/kg	J-	A, Q
6010C	DLASS-021-0001-SO	Iron	20100	2	mg/kg	J-	A
6010C	DLASS-021-0001-SO	Lead	24.8	0.29	mg/kg	J-	A, Q
6010C	DLASS-021-0001-SO	Magnesium	6790	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-021-0001-SO	Manganese	2020	0.1	mg/kg	J-	Q
6010C	DLASS-021-0001-SO	Nickel	21.8	0.12	mg/kg	J-	A, Q
6010C	DLASS-021-0001-SO	Selenium	1.1	0.86	mg/kg	J	Q, E
6010C	DLASS-021-0001-SO	Silver	0.18	0.11	mg/kg	J-	Q
6010C	DLASS-021-0001-SO	Thallium	1.2	0.29	mg/kg	J-	Q

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-021-0001-SO	Vanadium	18.2	0.069	mg/kg	J	Q
6010C	DLASS-021-0001-SO	Zinc	58.7	0.25	mg/kg	J-	A, Q
7196A	DLASS-021-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-021-0001-SO	Mercury	0.035	0.008	mg/kg	J	H, E
8082	DLASS-022-0001-SO	Aroclor 1016	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0001-SO	Aroclor 1221	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0001-SO	Aroclor 1232	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0001-SO	Aroclor 1242	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0001-SO	Aroclor 1248	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0001-SO	Aroclor 1254	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0001-SO	Aroclor 1260	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0001-SO	Aroclor 1262	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0001-SO	Aroclor 1268	51	51	ug/kg	UJ	H, C
6010C	DLASS-022-0001-SO	Antimony	2.3	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-022-0001-SO	Arsenic	10.2	0.92	mg/kg	J	Q
6010C	DLASS-022-0001-SO	Barium	104	0.055	mg/kg	J-	A, Q
6010C	DLASS-022-0001-SO	Beryllium	0.69	0.024	mg/kg	J	Q
6010C	DLASS-022-0001-SO	Cadmium	0.33	0.043	mg/kg	J	A, Q, E
6010C	DLASS-022-0001-SO	Calcium	5860	1	mg/kg	J	Q
6010C	DLASS-022-0001-SO	Chromium	95.2	0.13	mg/kg	J-	A
6010C	DLASS-022-0001-SO	Cobalt	9.6	0.1	mg/kg	J-	A, Q
6010C	DLASS-022-0001-SO	Copper	11.8	0.41	mg/kg	J-	A, Q
6010C	DLASS-022-0001-SO	Iron	27600	2	mg/kg	J-	A
6010C	DLASS-022-0001-SO	Lead	24.5	0.29	mg/kg	J-	A, Q
6010C	DLASS-022-0001-SO	Magnesium	2250	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-022-0001-SO	Manganese	1010	0.1	mg/kg	J-	Q
6010C	DLASS-022-0001-SO	Nickel	17.4	0.12	mg/kg	J-	A, Q
6010C	DLASS-022-0001-SO	Selenium	2.3	0.86	mg/kg	J	B, Q, E
6010C	DLASS-022-0001-SO	Silver	0.12	0.11	mg/kg	J-	Q
6010C	DLASS-022-0001-SO	Thallium	0.9	0.29	mg/kg	J-	Q
6010C	DLASS-022-0001-SO	Vanadium	21.8	0.069	mg/kg	J	Q
6010C	DLASS-022-0001-SO	Zinc	56.5	0.24	mg/kg	J-	A, Q
7196A	DLASS-022-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-022-0001-SO	Mercury	0.043	0.008	mg/kg	J	H, E
8081A	DLASS-022-0001-SO	4,4'-DDD	0.966	1.75	ug/kg	J	H, C, $, -, result changed from
8081A	DLASS-022-0001-SO	4,4'-DDE	2.31	1.75	ug/kg	J	H,C, $, -, *III, result changed
8081A	DLASS-022-0001-SO	4,4'-DDT	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Aldrin	0.354	1.75	ug/kg	J	H, C, $, -, *III, result changed
8081A	DLASS-022-0001-SO	alpha Chlordane	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	alpha-BHC	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	beta-BHC	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	delta-BHC	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Dieldrin	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Endosulfan I	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Endosulfan II	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Endosulfan sulfate	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Endrin	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Endrin aldehyde	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Endrin ketone	0.35	1.75	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8081A	DLASS-022-0001-SO	gamma Chlordane	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	gamma-BHC	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Heptachlor	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Heptachlor epoxide	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Methoxychlor	0.35	1.75	ug/kg	UJ	H, C
8081A	DLASS-022-0001-SO	Toxaphene	17.7	35	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	1,2,4-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2,4,5-	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2,4,6-	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	R	L
8270C	DLASS-022-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-022-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-022-0001-SO	2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2-	140	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	3,3'-	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	4-Bromophenyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	4-Chloro-3-	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	4-Chloroaniline	410	410	ug/kg	UJ	H, L, C
8270C	DLASS-022-0001-SO	4-Chlorophenyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Acenaphthene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Acenaphthylene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Acetophenone	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Anthracene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Benzo(a)anthracene	100	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Benzo(a)pyrene	85	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Benzo(b)fluoranthen	160	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Benzo(g,h,i)perylene	52	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Benzo(k)fluoranthen	46	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Benzoic acid	420	2000	ug/kg	J	H, L, C
8270C	DLASS-022-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Bis(2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Bis(2-chloroethyl)	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Bis(2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Bis(2-ethylhexyl)	110	1000	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Butylbenzyl	410	410	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-022-0001-SO	Carbazole	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Chrysene	100	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Dibenzo(a,h)anthrac	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Dibenzofuran	34	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Diethyl phthalate	67	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Di-n-butyl phthalate	250	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Fluoranthene	170	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Fluorene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Hexachlorobutadien	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Hexachlorocyclopent	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Indeno(1,2,3-	50	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Isophorone	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Naphthalene	96	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Nitrobenzene	410	410	ug/kg	R	D
8270C	DLASS-022-0001-SO	N-Nitroso-di-n-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	N-	810	810	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Phenanthrene	110	410	ug/kg	J	H, C
8270C	DLASS-022-0001-SO	Phenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0001-SO	Pyrene	140	410	ug/kg	J	H, C
8330B	DLASS-022-0001-SO	1,3,5-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	2-Amino-4,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	4-Amino-2,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	HMX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	RDX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0001-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C
8330B-	DLASS-022-0001-SO	Nitroguanidine	0.67	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-022-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C
8082	DLASS-022-0003-SO	Aroclor 1016	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0003-SO	Aroclor 1221	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0003-SO	Aroclor 1232	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0003-SO	Aroclor 1242	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0003-SO	Aroclor 1248	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0003-SO	Aroclor 1254	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0003-SO	Aroclor 1260	51	51	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8082	DLASS-022-0003-SO	Aroclor 1262	51	51	ug/kg	UJ	H, C
8082	DLASS-022-0003-SO	Aroclor 1268	51	51	ug/kg	UJ	H, C
6010C	DLASS-022-0003-SO	Antimony	2.7	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-022-0003-SO	Arsenic	10.3	0.92	mg/kg	J	Q
6010C	DLASS-022-0003-SO	Barium	111	0.055	mg/kg	J-	A, Q
6010C	DLASS-022-0003-SO	Beryllium	0.74	0.024	mg/kg	J	Q
6010C	DLASS-022-0003-SO	Cadmium	0.27	0.043	mg/kg	J	A, Q, E
6010C	DLASS-022-0003-SO	Calcium	8660	1	mg/kg	J	Q
6010C	DLASS-022-0003-SO	Chromium	111	0.13	mg/kg	J-	A
6010C	DLASS-022-0003-SO	Cobalt	9.1	0.1	mg/kg	J-	A, Q
6010C	DLASS-022-0003-SO	Copper	12.5	0.41	mg/kg	J-	A, Q
6010C	DLASS-022-0003-SO	Iron	25800	2	mg/kg	J-	A
6010C	DLASS-022-0003-SO	Lead	25.8	0.29	mg/kg	J-	A, Q
6010C	DLASS-022-0003-SO	Magnesium	2560	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-022-0003-SO	Manganese	973	0.1	mg/kg	J-	Q
6010C	DLASS-022-0003-SO	Nickel	17.7	0.12	mg/kg	J-	A, Q
6010C	DLASS-022-0003-SO	Selenium	1.5	0.86	mg/kg	J	B, Q, E
6010C	DLASS-022-0003-SO	Silver	0.061	0.11	mg/kg	J-	Q
6010C	DLASS-022-0003-SO	Thallium	0.7	0.29	mg/kg	J-	B, Q
6010C	DLASS-022-0003-SO	Vanadium	21.4	0.069	mg/kg	J	Q
6010C	DLASS-022-0003-SO	Zinc	54.5	0.24	mg/kg	J-	A, Q
7196A	DLASS-022-0003-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-022-0003-SO	Mercury	0.042	0.008	mg/kg	J	H, E
8081A	DLASS-022-0003-SO	4,4'-DDD	0.796	1.76	ug/kg	NJ	H, C, $, -, *III, result changed
8081A	DLASS-022-0003-SO	4,4'-DDE	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	4,4'-DDT	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Aldrin	0.717	1.76	ug/kg	NJ	H, C, $, -, *III, result changed
8081A	DLASS-022-0003-SO	alpha Chlordane	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	alpha-BHC	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	beta-BHC	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	delta-BHC	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Dieldrin	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Endosulfan I	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Endosulfan II	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Endosulfan sulfate	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Endrin	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Endrin aldehyde	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Endrin ketone	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	gamma Chlordane	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	gamma-BHC	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Heptachlor	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Heptachlor epoxide	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Methoxychlor	0.352	1.76	ug/kg	UJ	H, C
8081A	DLASS-022-0003-SO	Toxaphene	17.8	35.2	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	1,2,4-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	2,4,5-	510	510	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-022-0003-SO	2,4,6-	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	2,4-Dinitrophenol	2000	2000	ug/kg	R	L
8270C	DLASS-022-0003-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-022-0003-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-022-0003-SO	2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	2-Chlorophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	2-	160	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	2-Methylphenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	2-Nitroaniline	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	2-Nitrophenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	3,3'-	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	4-Bromophenyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	4-Chloro-3-	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	4-Chloroaniline	410	410	ug/kg	UJ	H, L, C
8270C	DLASS-022-0003-SO	4-Chlorophenyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	4-Methylphenol	2000	2000	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Acenaphthene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Acenaphthylene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Acetophenone	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Anthracene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Benzo(a)anthracene	110	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Benzo(a)pyrene	87	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Benzo(b)fluoranthen	170	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Benzo(g,h,i)perylene	56	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Benzo(k)fluoranthen	73	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Benzoic acid	430	2000	ug/kg	J	H, L, C
8270C	DLASS-022-0003-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Bis(2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Bis(2-chloroethyl)	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Bis(2-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Bis(2-ethylhexyl)	130	1000	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Butylbenzyl	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Carbazole	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Chrysene	120	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Dibenzo(a,h)anthrac	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Dibenzofuran	40	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Diethyl phthalate	89	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Dimethyl phthalate	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Di-n-butyl phthalate	320	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Fluoranthene	200	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Fluorene	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Hexachlorobenzene	410	410	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-022-0003-SO	Hexachlorobutadien	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Hexachlorocyclopent	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Hexachloroethane	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Indeno(1,2,3-	50	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Isophorone	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Naphthalene	110	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Nitrobenzene	410	410	ug/kg	R	D
8270C	DLASS-022-0003-SO	N-Nitroso-di-n-	410	410	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	N-	810	810	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Phenanthrene	140	410	ug/kg	J	H, C
8270C	DLASS-022-0003-SO	Phenol	510	510	ug/kg	UJ	H, C
8270C	DLASS-022-0003-SO	Pyrene	160	410	ug/kg	J	H, C
8330B	DLASS-022-0003-SO	1,3,5-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	2-Amino-4,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	4-Amino-2,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	HMX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	RDX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-022-0003-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C
8330B-	DLASS-022-0003-SO	Nitroguanidine	0.63	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-022-0003-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C
8260B	DLASS-023-0001-SO	1,1,1-	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	1,1,2,2-	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	1,1,2-	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	1,1-Dichloroethane	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	1,1-Dichloroethene	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	1,2-Dibromoethane	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	1,2-Dichloroethane	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	1,2-Dichloropropane	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	2-Butanone	530	530	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	2-Hexanone	530	530	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	4-Methyl-2-	530	530	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Acetone	1100	1100	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Benzene	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Bromochloromethan	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Bromodichlorometh	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Bromoform	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Bromomethane	110	110	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Carbon disulfide	110	110	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8260B	DLASS-023-0001-SO	Carbon tetrachloride	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Chlorobenzene	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Chloroethane	110	110	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Chloroform	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Chloromethane	110	110	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	cis-1,2-	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	cis-1,3-	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Dibromochlorometh	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Ethylbenzene	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	m,p-Xylenes	110	110	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Methylene chloride	110	110	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	o-Xylene	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Styrene	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Tetrachloroethene	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Toluene	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	trans-1,2-	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	trans-1,3-	110	110	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Trichloroethene	53	53	ug/kg	UJ	C
8260B	DLASS-023-0001-SO	Vinyl chloride	53	53	ug/kg	UJ	C
6010C	DLASS-024-0001-SO	Antimony	1.7	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-024-0001-SO	Arsenic	11.2	0.92	mg/kg	J	Q
6010C	DLASS-024-0001-SO	Barium	116	0.055	mg/kg	J-	A, Q
6010C	DLASS-024-0001-SO	Beryllium	0.81	0.025	mg/kg	J	Q
6010C	DLASS-024-0001-SO	Cadmium	0.079	0.043	mg/kg	J	A, Q, E
6010C	DLASS-024-0001-SO	Calcium	9710	1	mg/kg	J	Q
6010C	DLASS-024-0001-SO	Chromium	57.3	0.13	mg/kg	J-	A
6010C	DLASS-024-0001-SO	Cobalt	6.6	0.1	mg/kg	J-	A, Q
6010C	DLASS-024-0001-SO	Copper	8.8	0.41	mg/kg	J-	A, Q
6010C	DLASS-024-0001-SO	Iron	20600	2	mg/kg	J-	A
6010C	DLASS-024-0001-SO	Lead	24.2	0.29	mg/kg	J-	A, Q
6010C	DLASS-024-0001-SO	Magnesium	2640	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-024-0001-SO	Manganese	1090	0.1	mg/kg	J-	Q
6010C	DLASS-024-0001-SO	Nickel	18.7	0.12	mg/kg	J-	A, Q
6010C	DLASS-024-0001-SO	Selenium	1.7	0.86	mg/kg	J	Q, E
6010C	DLASS-024-0001-SO	Silver	0.11	0.11	mg/kg	UJ	Q
6010C	DLASS-024-0001-SO	Thallium	0.87	0.29	mg/kg	J-	B, Q
6010C	DLASS-024-0001-SO	Vanadium	17.5	0.07	mg/kg	J	Q
6010C	DLASS-024-0001-SO	Zinc	44.2	0.25	mg/kg	J-	A, Q
7196A	DLASS-024-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-024-0001-SO	Mercury	0.024	0.008	mg/kg	J	H, E
6010C	DLASS-025-0001-SO	Antimony	1.8	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-025-0001-SO	Arsenic	9.1	0.92	mg/kg	J	Q
6010C	DLASS-025-0001-SO	Barium	144	0.055	mg/kg	J-	A, Q
6010C	DLASS-025-0001-SO	Beryllium	0.93	0.024	mg/kg	J	Q
6010C	DLASS-025-0001-SO	Cadmium	0.26	0.043	mg/kg	J	A, Q, E
6010C	DLASS-025-0001-SO	Calcium	16400	1	mg/kg	J	Q
6010C	DLASS-025-0001-SO	Chromium	101	0.13	mg/kg	J-	A
6010C	DLASS-025-0001-SO	Cobalt	8.4	0.1	mg/kg	J-	A, Q
6010C	DLASS-025-0001-SO	Copper	12.7	0.41	mg/kg	J-	A, Q

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-025-0001-SO	Iron	18300	2	mg/kg	J-	A
6010C	DLASS-025-0001-SO	Lead	20.7	0.29	mg/kg	J-	A, Q
6010C	DLASS-025-0001-SO	Magnesium	3130	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-025-0001-SO	Manganese	1800	0.1	mg/kg	J-	Q
6010C	DLASS-025-0001-SO	Nickel	21.2	0.12	mg/kg	J-	A, Q
6010C	DLASS-025-0001-SO	Selenium	1.9	0.86	mg/kg	J	Q, E
6010C	DLASS-025-0001-SO	Silver	0.079	0.11	mg/kg	J-	Q
6010C	DLASS-025-0001-SO	Thallium	0.58	0.29	mg/kg	J-	B, Q
6010C	DLASS-025-0001-SO	Vanadium	22	0.069	mg/kg	J	Q
6010C	DLASS-025-0001-SO	Zinc	46.9	0.24	mg/kg	J-	A, Q
7196A	DLASS-025-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-025-0001-SO	Mercury	0.049	0.008	mg/kg	J	H, E
6010C	DLASS-026-0001-SO	Antimony	2.2	0.56	mg/kg	J	Q, E, *III
6010C	DLASS-026-0001-SO	Arsenic	9.6	0.93	mg/kg	J	Q
6010C	DLASS-026-0001-SO	Barium	105	0.056	mg/kg	J-	A, Q
6010C	DLASS-026-0001-SO	Beryllium	0.68	0.025	mg/kg	J	Q
6010C	DLASS-026-0001-SO	Cadmium	1.1	0.043	mg/kg	J	A, Q, E
6010C	DLASS-026-0001-SO	Calcium	4010	1	mg/kg	J	Q
6010C	DLASS-026-0001-SO	Chromium	155	0.33	mg/kg	J-	A
6010C	DLASS-026-0001-SO	Cobalt	2	0.051	mg/kg	J-	A, Q
6010C	DLASS-026-0001-SO	Copper	14.2	0.41	mg/kg	J-	A, Q
6010C	DLASS-026-0001-SO	Iron	22000	2.1	mg/kg	J-	A
6010C	DLASS-026-0001-SO	Lead	30.8	0.29	mg/kg	J-	A, Q
6010C	DLASS-026-0001-SO	Magnesium	2180	0.83	mg/kg	J	Q, *III, A
6010C	DLASS-026-0001-SO	Manganese	852	0.1	mg/kg	J-	Q
6010C	DLASS-026-0001-SO	Nickel	3.9	0.063	mg/kg	J-	A, Q
6010C	DLASS-026-0001-SO	Selenium	0.78	0.87	mg/kg	J	Q, E
6010C	DLASS-026-0001-SO	Silver	0.13	0.12	mg/kg	J-	Q
6010C	DLASS-026-0001-SO	Thallium	0.86	0.72	mg/kg	J-	Q
6010C	DLASS-026-0001-SO	Vanadium	21.4	0.07	mg/kg	J	Q
6010C	DLASS-026-0001-SO	Zinc	52.2	0.25	mg/kg	J-	A, Q
7196A	DLASS-026-0001-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
7471A	DLASS-026-0001-SO	Mercury	0.044	0.008	mg/kg	J	E
6010C	DLASS-027-0001-SO	Antimony	0.36	0.55	mg/kg	J	B, Q, E, *III
6010C	DLASS-027-0001-SO	Arsenic	9.5	0.92	mg/kg	J	Q
6010C	DLASS-027-0001-SO	Barium	104	0.055	mg/kg	J-	A, Q
6010C	DLASS-027-0001-SO	Beryllium	0.58	0.025	mg/kg	J	Q
6010C	DLASS-027-0001-SO	Cadmium	0.23	0.043	mg/kg	J	A, Q, E
6010C	DLASS-027-0001-SO	Calcium	10200	1	mg/kg	J	Q
6010C	DLASS-027-0001-SO	Chromium	13.9	0.13	mg/kg	J-	A
6010C	DLASS-027-0001-SO	Cobalt	7.1	0.1	mg/kg	J-	A, Q
6010C	DLASS-027-0001-SO	Copper	7.1	0.41	mg/kg	J-	A, Q
6010C	DLASS-027-0001-SO	Iron	24300	2.1	mg/kg	J-	A
6010C	DLASS-027-0001-SO	Lead	15.8	0.29	mg/kg	J-	A, Q
6010C	DLASS-027-0001-SO	Magnesium	2000	0.82	mg/kg	J	Q, *III, A
6010C	DLASS-027-0001-SO	Manganese	1510	0.1	mg/kg	J-	Q
6010C	DLASS-027-0001-SO	Nickel	12.4	0.13	mg/kg	J-	A, Q
6010C	DLASS-027-0001-SO	Selenium	1.9	0.86	mg/kg	J	B, Q, E
6010C	DLASS-027-0001-SO	Silver	0.21	0.12	mg/kg	J-	Q

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-027-0001-SO	Thallium	0.11	0.29	mg/kg	J-	B, Q
6010C	DLASS-027-0001-SO	Vanadium	19.3	0.07	mg/kg	J	Q
6010C	DLASS-027-0001-SO	Zinc	42	0.25	mg/kg	J-	A, Q
7196A	DLASS-027-0001-SO	Hexavalent	6.6	6.6	mg/kg	R	Q
7471A	DLASS-027-0001-SO	Mercury	0.031	0.008	mg/kg	J	E
6010C	DLASS-028-0001-SO	Antimony	1.4	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-028-0001-SO	Arsenic	9.3	0.91	mg/kg	J	Q
6010C	DLASS-028-0001-SO	Barium	175	0.055	mg/kg	J-	A, Q
6010C	DLASS-028-0001-SO	Beryllium	1.1	0.024	mg/kg	J	Q
6010C	DLASS-028-0001-SO	Cadmium	0.026	0.043	mg/kg	J	A, Q, E
6010C	DLASS-028-0001-SO	Calcium	21800	1	mg/kg	J	Q
6010C	DLASS-028-0001-SO	Chromium	62.9	0.13	mg/kg	J-	A
6010C	DLASS-028-0001-SO	Cobalt	7.4	0.099	mg/kg	J-	A, Q
6010C	DLASS-028-0001-SO	Copper	8.6	0.41	mg/kg	J-	A, Q
6010C	DLASS-028-0001-SO	Iron	20600	2	mg/kg	J-	A
6010C	DLASS-028-0001-SO	Lead	21.7	0.28	mg/kg	J-	A, Q
6010C	DLASS-028-0001-SO	Magnesium	3210	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-028-0001-SO	Manganese	2390	0.1	mg/kg	J-	Q
6010C	DLASS-028-0001-SO	Nickel	15.1	0.12	mg/kg	J-	A, Q
6010C	DLASS-028-0001-SO	Selenium	0.69	0.85	mg/kg	J	Q, E
6010C	DLASS-028-0001-SO	Silver	0.091	0.11	mg/kg	J-	Q
6010C	DLASS-028-0001-SO	Thallium	0.57	0.28	mg/kg	J-	B, Q
6010C	DLASS-028-0001-SO	Vanadium	25.2	0.069	mg/kg	J	Q
6010C	DLASS-028-0001-SO	Zinc	49.1	0.24	mg/kg	J-	A, Q
7196A	DLASS-028-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-028-0001-SO	Mercury	0.047	0.008	mg/kg	J	H, E
6010C	DLASS-029-0001-SO	Antimony	2.6	0.55	mg/kg	J	Q, E, *III
6010C	DLASS-029-0001-SO	Arsenic	8.1	0.91	mg/kg	J	Q
6010C	DLASS-029-0001-SO	Barium	105	0.055	mg/kg	J-	A, Q
6010C	DLASS-029-0001-SO	Beryllium	0.54	0.024	mg/kg	J	Q
6010C	DLASS-029-0001-SO	Cadmium	0.27	0.043	mg/kg	J	A, Q, E
6010C	DLASS-029-0001-SO	Calcium	3500	1	mg/kg	J	Q
6010C	DLASS-029-0001-SO	Chromium	117	0.13	mg/kg	J-	A
6010C	DLASS-029-0001-SO	Cobalt	7.7	0.099	mg/kg	J-	A, Q
6010C	DLASS-029-0001-SO	Copper	9.2	0.41	mg/kg	J-	A, Q
6010C	DLASS-029-0001-SO	Iron	19600	2	mg/kg	J-	A
6010C	DLASS-029-0001-SO	Lead	23.6	0.28	mg/kg	J-	A, Q
6010C	DLASS-029-0001-SO	Magnesium	2590	0.81	mg/kg	J	Q, *III, A
6010C	DLASS-029-0001-SO	Manganese	1370	0.1	mg/kg	J-	Q
6010C	DLASS-029-0001-SO	Nickel	18.8	0.12	mg/kg	J-	A, Q
6010C	DLASS-029-0001-SO	Selenium	2.7	0.85	mg/kg	J	Q, E
6010C	DLASS-029-0001-SO	Silver	0.17	0.11	mg/kg	J-	Q
6010C	DLASS-029-0001-SO	Thallium	0.59	0.28	mg/kg	J-	B, Q
6010C	DLASS-029-0001-SO	Vanadium	21.2	0.069	mg/kg	J	Q
6010C	DLASS-029-0001-SO	Zinc	47.4	0.24	mg/kg	J-	A, Q
7196A	DLASS-029-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
7471A	DLASS-029-0001-SO	Mercury	0.054	0.008	mg/kg	J	H, E
6010C	DLASS-030-0001-SO	Antimony	0.99	0.56	mg/kg	J	Q, E, *III
6010C	DLASS-030-0001-SO	Arsenic	10.3	0.94	mg/kg	J	Q

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
6010C	DLASS-030-0001-SO	Barium	114	0.056	mg/kg	J-	A, Q
6010C	DLASS-030-0001-SO	Beryllium	0.69	0.025	mg/kg	J	Q
6010C	DLASS-030-0001-SO	Cadmium	1	0.044	mg/kg	J	A, Q, E
6010C	DLASS-030-0001-SO	Calcium	3660	1	mg/kg	J	Q
6010C	DLASS-030-0001-SO	Chromium	82.7	0.33	mg/kg	J-	A
6010C	DLASS-030-0001-SO	Cobalt	9.5	0.26	mg/kg	J-	A, Q
6010C	DLASS-030-0001-SO	Copper	11.5	0.42	mg/kg	J-	A, Q
6010C	DLASS-030-0001-SO	Iron	20300	2.1	mg/kg	J-	A
6010C	DLASS-030-0001-SO	Lead	31.7	0.29	mg/kg	J-	A, Q
6010C	DLASS-030-0001-SO	Magnesium	1950	0.84	mg/kg	J	Q, *III, A
6010C	DLASS-030-0001-SO	Manganese	1300	0.1	mg/kg	J-	Q
6010C	DLASS-030-0001-SO	Nickel	15.8	0.32	mg/kg	J-	A, Q
6010C	DLASS-030-0001-SO	Selenium	1.2	0.88	mg/kg	J	Q, E
6010C	DLASS-030-0001-SO	Silver	0.21	0.12	mg/kg	J-	Q
6010C	DLASS-030-0001-SO	Thallium	1.3	0.73	mg/kg	J-	Q
6010C	DLASS-030-0001-SO	Vanadium	20.4	0.071	mg/kg	J	Q
6010C	DLASS-030-0001-SO	Zinc	52.2	0.25	mg/kg	J-	A, Q
7196A	DLASS-030-0001-SO	Hexavalent	6.7	6.7	mg/kg	R	Q
7471A	DLASS-030-0001-SO	Mercury	0.055	0.008	mg/kg	J	E
6010C	DLASS-031-0001-SO	Antimony	0.55	0.55	mg/kg	UJ	B, $, MDL changed from 0.16
6010C	DLASS-031-0001-SO	Magnesium	2180	0.82	mg/kg	J	*III
7196A	DLASS-031-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
8082	DLASS-032-0001-SO	Aroclor 1016	51	51	ug/kg	UJ	C
8082	DLASS-032-0001-SO	Aroclor 1221	51	51	ug/kg	UJ	C
8082	DLASS-032-0001-SO	Aroclor 1232	51	51	ug/kg	UJ	C
8082	DLASS-032-0001-SO	Aroclor 1242	51	51	ug/kg	UJ	C
8082	DLASS-032-0001-SO	Aroclor 1248	51	51	ug/kg	UJ	C
8082	DLASS-032-0001-SO	Aroclor 1254	51	51	ug/kg	UJ	C
8082	DLASS-032-0001-SO	Aroclor 1260	51	51	ug/kg	UJ	C
8082	DLASS-032-0001-SO	Aroclor 1262	51	51	ug/kg	UJ	C
8082	DLASS-032-0001-SO	Aroclor 1268	51	51	ug/kg	UJ	C
6010C	DLASS-032-0001-SO	Antimony	1.4	1.4	mg/kg	UJ	B
6010C	DLASS-032-0001-SO	Thallium	1.1	0.71	mg/kg	J	B
7196A	DLASS-032-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
8081A	DLASS-032-0001-SO	4,4'-DDD	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	4,4'-DDE	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	4,4'-DDT	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Aldrin	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	alpha-BHC	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	ALPHA-CHLORDANE	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	beta-BHC	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	delta-BHC	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Dieldrin	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Endosulfan I	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Endosulfan II	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Endosulfan sulfate	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Endrin	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Endrin aldehyde	0.386	0.386	ug/kg	R	Q
8081A	DLASS-032-0001-SO	Endrin ketone	0.386	0.386	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8081A	DLASS-032-0001-SO	GAMMA-BHC	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	GAMMA-	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Heptachlor	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Heptachlor epoxide	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Methoxychlor	0.386	0.386	ug/kg	UJ	H, C
8081A	DLASS-032-0001-SO	Toxaphene	19.5	19.5	ug/kg	UJ	H, C
8270C	DLASS-032-0001-SO	1,2,4-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2,4,5-	510	510	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2,4,6-	510	510	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-032-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-032-0001-SO	2-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2-	510	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	3,3'-	510	510	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	4-Bromophenyl	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	4-Chloro-3-	510	510	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	4-Chloroaniline	410	410	ug/kg	R	L
8270C	DLASS-032-0001-SO	4-Chlorophenyl	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Acenaphthene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Acenaphthylene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Acetophenone	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Anthracene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Benzo(a)anthracene	78	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Benzo(a)pyrene	74	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Benzo(b)fluoranthen	140	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Benzo(g,h,i)perylene	81	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Benzo(k)fluoranthen	38	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Benzoic acid	2000	2000	ug/kg	UJ	L, C
8270C	DLASS-032-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Bis(2-chloroethyl)	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Bis(2-ethylhexyl)	680	1000	ug/kg	J	C
8270C	DLASS-032-0001-SO	Butylbenzyl	410	410	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-032-0001-SO	Carbazole	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Chrysene	110	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Dibenzo(a,h)anthrac	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Dibenzofuran	89	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Diethyl phthalate	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Di-n-butyl phthalate	150	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Fluoranthene	160	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Fluorene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Hexachlorobutadien	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Hexachlorocyclopent	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Indeno(1,2,3-	43	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Isophorone	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Naphthalene	270	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Nitrobenzene	410	410	ug/kg	R	D
8270C	DLASS-032-0001-SO	N-Nitroso-di-n-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	N-	820	820	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	L, C
8270C	DLASS-032-0001-SO	Phenanthrene	330	410	ug/kg	J	C
8270C	DLASS-032-0001-SO	Phenol	510	510	ug/kg	UJ	C
8270C	DLASS-032-0001-SO	Pyrene	170	410	ug/kg	J	C
8330B	DLASS-032-0001-SO	1,3,5-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	2-Amino-4,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	4-Amino-2,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	HMX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	RDX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0001-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C
8330B-	DLASS-032-0001-SO	Nitroguanidine	0.89	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-032-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C
8082	DLASS-032-0003-SO	Aroclor 1016	51	51	ug/kg	UJ	C
8082	DLASS-032-0003-SO	Aroclor 1221	51	51	ug/kg	UJ	C
8082	DLASS-032-0003-SO	Aroclor 1232	51	51	ug/kg	UJ	C
8082	DLASS-032-0003-SO	Aroclor 1242	51	51	ug/kg	UJ	C
8082	DLASS-032-0003-SO	Aroclor 1248	51	51	ug/kg	UJ	C
8082	DLASS-032-0003-SO	Aroclor 1254	51	51	ug/kg	UJ	C
8082	DLASS-032-0003-SO	Aroclor 1260	51	51	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8082	DLASS-032-0003-SO	Aroclor 1262	51	51	ug/kg	UJ	C
8082	DLASS-032-0003-SO	Aroclor 1268	51	51	ug/kg	UJ	C
6010C	DLASS-032-0003-SO	Antimony	0.22	0.55	mg/kg	J	B
6010C	DLASS-032-0003-SO	Magnesium	2310	0.82	mg/kg	J	*III
7196A	DLASS-032-0003-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
8081A	DLASS-032-0003-SO	4,4'-DDD	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	4,4'-DDE	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	4,4'-DDT	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Aldrin	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	alpha-BHC	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	ALPHA-CHLORDANE	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	beta-BHC	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	delta-BHC	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Dieldrin	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Endosulfan I	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Endosulfan II	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Endosulfan sulfate	0.632	0.336	ug/kg	J-	H, C
8081A	DLASS-032-0003-SO	Endrin	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Endrin aldehyde	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Endrin ketone	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	GAMMA-BHC	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	GAMMA-	0.509	0.336	ug/kg	NJ	H, C, *III, result changed from
8081A	DLASS-032-0003-SO	Heptachlor	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Heptachlor epoxide	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Methoxychlor	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-032-0003-SO	Toxaphene	17	17	ug/kg	UJ	H, C
8270C	DLASS-032-0003-SO	1,2,4-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2,4,5-	510	510	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2,4,6-	510	510	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2,4-Dinitrophenol	2000	2000	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-032-0003-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D
8270C	DLASS-032-0003-SO	2-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2-Chlorophenol	510	510	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2-	410	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2-Nitroaniline	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	2-Nitrophenol	510	510	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	3,3'-	510	510	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	4-Bromophenyl	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	4-Chloro-3-	510	510	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	4-Chloroaniline	410	410	ug/kg	R	L

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-032-0003-SO	4-Chlorophenyl	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Acenaphthene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Acenaphthylene	52	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Acetophenone	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Anthracene	90	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Benzo(a)anthracene	360	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Benzo(a)pyrene	270	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Benzo(b)fluoranthen	390	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Benzo(g,h,i)perylene	160	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Benzo(k)fluoranthen	170	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Benzoic acid	2000	2000	ug/kg	UJ	L, C
8270C	DLASS-032-0003-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Bis(2-chloroethyl)	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Bis(2-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Bis(2-ethylhexyl)	790	1000	ug/kg	J	C
8270C	DLASS-032-0003-SO	Butylbenzyl	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Carbazole	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Chrysene	350	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Dibenzo(a,h)anthrac	44	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Dibenzofuran	73	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Diethyl phthalate	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Dimethyl phthalate	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Di-n-butyl phthalate	130	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Fluoranthene	730	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Fluorene	25	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Hexachlorobenzene	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Hexachlorobutadien	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Hexachlorocyclopent	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Hexachloroethane	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Indeno(1,2,3-	150	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Isophorone	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Naphthalene	220	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Nitrobenzene	410	410	ug/kg	R	D
8270C	DLASS-032-0003-SO	N-Nitroso-di-n-	410	410	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	N-	810	810	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	L, C
8270C	DLASS-032-0003-SO	Phenanthrene	420	410	ug/kg	J	C
8270C	DLASS-032-0003-SO	Phenol	510	510	ug/kg	UJ	C
8270C	DLASS-032-0003-SO	Pyrene	590	410	ug/kg	J	C
8330B	DLASS-032-0003-SO	1,3,5-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8330B	DLASS-032-0003-SO	2-Amino-4,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	4-Amino-2,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	HMX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	RDX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-032-0003-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C
8330B-	DLASS-032-0003-SO	Nitroguanidine	0.1	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-032-0003-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C
8260B	DLASS-033-0001-SO	1,1,1-	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	1,1,2,2-	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	1,1,2-	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	1,1-Dichloroethane	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	1,1-Dichloroethene	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	1,2-Dibromoethane	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	1,2-Dichloroethane	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	1,2-Dichloropropane	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	2-Butanone	520	520	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	2-Hexanone	520	520	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	4-Methyl-2-	520	520	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Acetone	1000	1000	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Benzene	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Bromochloromethan	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Bromodichlorometh	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Bromoform	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Bromomethane	100	100	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Carbon disulfide	100	100	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Carbon tetrachloride	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Chlorobenzene	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Chloroethane	100	100	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Chloroform	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Chloromethane	100	100	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	cis-1,2-	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	cis-1,3-	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Dibromochlorometh	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Ethylbenzene	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	m,p-Xylenes	100	100	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Methylene chloride	100	100	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	o-Xylene	17	52	ug/kg	J	C
8260B	DLASS-033-0001-SO	Styrene	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Tetrachloroethene	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Toluene	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	trans-1,2-	52	52	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	trans-1,3-	100	100	ug/kg	UJ	C
8260B	DLASS-033-0001-SO	Trichloroethene	52	52	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8260B	DLASS-033-0001-SO	Vinyl chloride	52	52	ug/kg	UJ	C
6010C	DLASS-034-0001-SO	Thallium	0.41	0.71	mg/kg	U	B
7196A	DLASS-034-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
6010C	DLASS-035-0001-SO	Magnesium	1840	0.82	mg/kg	J	*III
7196A	DLASS-035-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
6010C	DLASS-036-0001-SO	Magnesium	5370	0.82	mg/kg	J	*III
6010C	DLASS-036-0001-SO	Selenium	1.1	4.3	mg/kg	J	B
7196A	DLASS-036-0001-SO	Hexavalent	2	6.6	mg/kg	J	C, Q
6010C	DLASS-037-0001-SO	Selenium	0.86	0.86	mg/kg	UJ	B
7196A	DLASS-037-0001-SO	Hexavalent	1.9	6.5	mg/kg	J	C, Q
6010C	DLASS-038-0001-SO	Antimony	1.4	1.4	mg/kg	UJ	B
6010C	DLASS-038-0001-SO	Selenium	0.56	0.86	mg/kg	J	B
6010C	DLASS-038-0001-SO	Thallium	0.52	0.71	mg/kg	U	B
7196A	DLASS-038-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
6010C	DLASS-039-0001-SO	Magnesium	2010	0.82	mg/kg	J	*III
6010C	DLASS-039-0001-SO	Selenium	0.23	0.86	mg/kg	J	B
7196A	DLASS-039-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
6010C	DLASS-040-0001-SO	Antimony	1.4	1.4	mg/kg	UJ	B
6010C	DLASS-040-0001-SO	Selenium	0.85	0.85	mg/kg	UJ	B
6010C	DLASS-040-0001-SO	Thallium	0.43	0.7	mg/kg	U	B
7196A	DLASS-040-0001-SO	Hexavalent	6.4	6.4	mg/kg	R	Q
6010C	DLASS-041-0001-SO	Antimony	1.4	1.4	mg/kg	UJ	B
6010C	DLASS-041-0001-SO	Selenium	0.85	0.85	mg/kg	UJ	B
6010C	DLASS-041-0001-SO	Thallium	0.49	0.71	mg/kg	U	B
7196A	DLASS-041-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
8082	DLASS-042-0001-SO	Aroclor 1016	50	50	ug/kg	UJ	C
8082	DLASS-042-0001-SO	Aroclor 1221	50	50	ug/kg	UJ	C
8082	DLASS-042-0001-SO	Aroclor 1232	50	50	ug/kg	UJ	C
8082	DLASS-042-0001-SO	Aroclor 1242	50	50	ug/kg	UJ	C
8082	DLASS-042-0001-SO	Aroclor 1248	50	50	ug/kg	UJ	C
8082	DLASS-042-0001-SO	Aroclor 1254	50	50	ug/kg	UJ	C
8082	DLASS-042-0001-SO	Aroclor 1260	50	50	ug/kg	UJ	C
8082	DLASS-042-0001-SO	Aroclor 1262	50	50	ug/kg	UJ	C
8082	DLASS-042-0001-SO	Aroclor 1268	50	50	ug/kg	UJ	C
6010C	DLASS-042-0001-SO	Antimony	0.55	0.55	mg/kg	UJ	B, $, MDL changed from 0.16
6010C	DLASS-042-0001-SO	Selenium	1.2	0.85	mg/kg	J	B
6010C	DLASS-042-0001-SO	Thallium	0.28	0.28	mg/kg	U	$, MDL changed from 0.081
7196A	DLASS-042-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
8081A	DLASS-042-0001-SO	4,4'-DDD	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	4,4'-DDE	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	4,4'-DDT	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Aldrin	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	alpha-BHC	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	ALPHA-CHLORDANE	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	beta-BHC	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	delta-BHC	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Dieldrin	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Endosulfan I	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Endosulfan II	0.336	0.336	ug/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8081A	DLASS-042-0001-SO	Endosulfan sulfate	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Endrin	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Endrin aldehyde	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Endrin ketone	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	GAMMA-BHC	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	GAMMA-	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Heptachlor	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Heptachlor epoxide	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Methoxychlor	0.336	0.336	ug/kg	UJ	H, C
8081A	DLASS-042-0001-SO	Toxaphene	17	17	ug/kg	UJ	H, C
8270C	DLASS-042-0001-SO	1,2,4-	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	1,2-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	1,3-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	1,4-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2,4,5-	500	500	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2,4,6-	500	500	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2,4-Dichlorophenol	500	500	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2,4-Dimethylphenol	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2,4-Dinitrotoluene	400	400	ug/kg	R	D
8270C	DLASS-042-0001-SO	2,6-Dinitrotoluene	400	400	ug/kg	R	D
8270C	DLASS-042-0001-SO	2-	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2-Chlorophenol	500	500	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2-	55	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2-Nitroaniline	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	2-Nitrophenol	500	500	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	3,3'-	500	500	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	4-Bromophenyl	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	4-Chloro-3-	500	500	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	4-Chloroaniline	400	400	ug/kg	R	L
8270C	DLASS-042-0001-SO	4-Chlorophenyl	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Acenaphthene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Acenaphthylene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Acetophenone	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Anthracene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Benzo(a)anthracene	49	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Benzo(a)pyrene	42	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Benzo(b)fluoranthen	76	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Benzo(g,h,i)perylene	33	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Benzo(k)fluoranthen	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Benzoic acid	320	2000	ug/kg	J	L, C
8270C	DLASS-042-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Bis(2-	400	400	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-042-0001-SO	Bis(2-chloroethyl)	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Bis(2-	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Bis(2-ethylhexyl)	250	1000	ug/kg	J	C
8270C	DLASS-042-0001-SO	Butylbenzyl	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Carbazole	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Chrysene	56	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Dibenzo(a,h)anthrac	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Dibenzofuran	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Diethyl phthalate	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Dimethyl phthalate	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Di-n-butyl phthalate	140	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Di-n-octyl phthalate	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Fluoranthene	99	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Fluorene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Hexachlorobenzene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Hexachlorobutadien	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Hexachlorocyclopent	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Hexachloroethane	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Indeno(1,2,3-	30	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Isophorone	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Naphthalene	40	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Nitrobenzene	400	400	ug/kg	R	D
8270C	DLASS-042-0001-SO	N-Nitroso-di-n-	400	400	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	N-	800	800	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	L, C
8270C	DLASS-042-0001-SO	Phenanthrene	58	400	ug/kg	J	C
8270C	DLASS-042-0001-SO	Phenol	500	500	ug/kg	UJ	C
8270C	DLASS-042-0001-SO	Pyrene	80	400	ug/kg	J	C
8330B	DLASS-042-0001-SO	1,3,5-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	2-Amino-4,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	4-Amino-2,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	HMX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	RDX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0001-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C
8330B-	DLASS-042-0001-SO	Nitroguanidine	0.064	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-042-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C
8082	DLASS-042-0003-SO	Aroclor 1016	50	50	ug/kg	UJ	C
8082	DLASS-042-0003-SO	Aroclor 1221	50	50	ug/kg	UJ	C
8082	DLASS-042-0003-SO	Aroclor 1232	50	50	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8082	DLASS-042-0003-SO	Aroclor 1242	50	50	ug/kg	UJ	C
8082	DLASS-042-0003-SO	Aroclor 1248	50	50	ug/kg	UJ	C
8082	DLASS-042-0003-SO	Aroclor 1254	50	50	ug/kg	UJ	C
8082	DLASS-042-0003-SO	Aroclor 1260	50	50	ug/kg	UJ	C
8082	DLASS-042-0003-SO	Aroclor 1262	50	50	ug/kg	UJ	C
8082	DLASS-042-0003-SO	Aroclor 1268	50	50	ug/kg	UJ	C
6010C	DLASS-042-0003-SO	Magnesium	2120	0.81	mg/kg	J	*III
7196A	DLASS-042-0003-SO	Hexavalent	6.5	6.5	mg/kg	R	Q
8081A	DLASS-042-0003-SO	4,4'-DDD	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	4,4'-DDE	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	4,4'-DDT	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Aldrin	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	alpha-BHC	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	ALPHA-CHLORDANE	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	beta-BHC	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	delta-BHC	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Dieldrin	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Endosulfan I	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Endosulfan II	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Endosulfan sulfate	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Endrin	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Endrin aldehyde	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Endrin ketone	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	GAMMA-BHC	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	GAMMA-	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Heptachlor	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Heptachlor epoxide	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Methoxychlor	0.325	0.325	ug/kg	UJ	H, C
8081A	DLASS-042-0003-SO	Toxaphene	16.4	16.4	ug/kg	UJ	H, C
8270C	DLASS-042-0003-SO	1,2,4-	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	1,2-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	1,3-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	1,4-Dichlorobenzene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2,4,5-	500	500	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2,4,6-	500	500	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2,4-Dichlorophenol	500	500	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2,4-Dimethylphenol	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2,4-Dinitrophenol	2000	2000	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2,4-Dinitrotoluene	400	400	ug/kg	R	D
8270C	DLASS-042-0003-SO	2,6-Dinitrotoluene	400	400	ug/kg	R	D
8270C	DLASS-042-0003-SO	2-	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2-Chlorophenol	500	500	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2-Methyl-4,6-	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2-	47	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2-Nitroaniline	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	2-Nitrophenol	500	500	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	3,3'-	500	500	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8270C	DLASS-042-0003-SO	4-Bromophenyl	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	4-Chloro-3-	500	500	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	4-Chloroaniline	400	400	ug/kg	R	L
8270C	DLASS-042-0003-SO	4-Chlorophenyl	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Acenaphthene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Acenaphthylene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Acetophenone	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Anthracene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Benzo(a)anthracene	33	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Benzo(a)pyrene	31	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Benzo(b)fluoranthen	55	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Benzo(g,h,i)perylene	24	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Benzo(k)fluoranthen	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Benzoic acid	340	2000	ug/kg	J	L, C
8270C	DLASS-042-0003-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Bis(2-	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Bis(2-chloroethyl)	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Bis(2-	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Bis(2-ethylhexyl)	1000	1000	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Butylbenzyl	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Carbazole	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Chrysene	38	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Dibenzo(a,h)anthrac	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Dibenzofuran	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Diethyl phthalate	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Dimethyl phthalate	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Di-n-butyl phthalate	220	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Di-n-octyl phthalate	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Fluoranthene	60	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Fluorene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Hexachlorobenzene	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Hexachlorobutadien	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Hexachlorocyclopent	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Hexachloroethane	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Indeno(1,2,3-	24	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Isophorone	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Naphthalene	34	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Nitrobenzene	400	400	ug/kg	R	D
8270C	DLASS-042-0003-SO	N-Nitroso-di-n-	400	400	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	N-	800	800	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	L, C
8270C	DLASS-042-0003-SO	Phenanthrene	44	400	ug/kg	J	C
8270C	DLASS-042-0003-SO	Phenol	500	500	ug/kg	UJ	C
8270C	DLASS-042-0003-SO	Pyrene	51	400	ug/kg	J	C
8330B	DLASS-042-0003-SO	1,3,5-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8330B	DLASS-042-0003-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	2-Amino-4,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	4-Amino-2,6-	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	HMX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	PETN	1.5	1.5	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	RDX	0.44	0.44	mg/kg	UJ	H, C
8330B	DLASS-042-0003-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C
8330B-	DLASS-042-0003-SO	Nitroguanidine	0.085	0.16	mg/kg	J-	H, *III, C
9056M	DLASS-042-0003-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C
8260B	DLASS-043-0001-SO	1,1,1-	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	1,1,2,2-	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	1,1,2-	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	1,1-Dichloroethane	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	1,1-Dichloroethene	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	1,2-Dibromoethane	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	1,2-Dichloroethane	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	1,2-Dichloropropane	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	2-Butanone	420	420	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	2-Hexanone	420	420	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	4-Methyl-2-	420	420	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Acetone	840	840	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Benzene	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Bromochloromethan	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Bromodichlorometh	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Bromoform	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Bromomethane	84	84	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Carbon disulfide	84	84	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Carbon tetrachloride	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Chlorobenzene	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Chloroethane	84	84	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Chloroform	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Chloromethane	84	84	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	cis-1,2-	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	cis-1,3-	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Dibromochlorometh	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Ethylbenzene	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	m,p-Xylenes	84	84	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Methylene chloride	84	84	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	o-Xylene	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Styrene	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Tetrachloroethene	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Toluene	42	42	ug/kg	UJ	C

Method	Sample	Analyte	Result	RL	Units	Qualifier	Code
8260B	DLASS-043-0001-SO	trans-1,2-	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	trans-1,3-	84	84	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Trichloroethene	42	42	ug/kg	UJ	C
8260B	DLASS-043-0001-SO	Vinyl chloride	42	42	ug/kg	UJ	C
6010C	DLASS-044-0001-SO	Antimony	0.48	1.4	mg/kg	J	B
6010C	DLASS-044-0001-SO	Selenium	0.29	0.85	mg/kg	J	B
7196A	DLASS-044-0001-SO	Hexavalent	6.5	6.5	mg/kg	R	Q

APPENDIX C

Primary/Field Duplicate Sample Comparisons

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DL2SS-001M-0001-SO	Aroclor 1016	100	100	ug/kg	UJ	C	DL2SS-001M-0002-SO	100	100	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aroclor 1221	100	100	ug/kg	UJ	C	DL2SS-001M-0002-SO	100	100	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aroclor 1232	100	100	ug/kg	UJ	C	DL2SS-001M-0002-SO	100	100	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aroclor 1242	100	100	ug/kg	UJ	C	DL2SS-001M-0002-SO	100	100	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aroclor 1248	100	100	ug/kg	UJ	C	DL2SS-001M-0002-SO	100	100	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aroclor 1254	100	100	ug/kg	UJ	C	DL2SS-001M-0002-SO	100	100	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aroclor 1260	100	100	ug/kg	UJ	C	DL2SS-001M-0002-SO	100	100	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aroclor 1262	100	100	ug/kg	UJ	C	DL2SS-001M-0002-SO	100	100	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aroclor 1268	100	100	ug/kg	UJ	C	DL2SS-001M-0002-SO	100	100	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aluminum	12600	0.24	mg/kg	J	Q, A	DL2SS-001M-0002-SO	12500	0.24	J	Q, A	0.8	N/A
DL2SS-001M-0001-SO	Antimony	1.3	0.54	mg/kg	J-	Q	DL2SS-001M-0002-SO	0.59	0.54	J-	Q	N/A	No
DL2SS-001M-0001-SO	Arsenic	8.1	0.91	mg/kg	J-	A	DL2SS-001M-0002-SO	9.2	0.91	J-	A	12.7	N/A
DL2SS-001M-0001-SO	Barium	124	0.048	mg/kg	J-	A	DL2SS-001M-0002-SO	119	0.048	J-	A	4.1	N/A
DL2SS-001M-0001-SO	Beryllium	0.44	0.024	mg/kg	J-	A	DL2SS-001M-0002-SO	0.53	0.24	J-	A	N/A	Yes
DL2SS-001M-0001-SO	Cadmium	0.23	0.042	mg/kg	J-	Q	DL2SS-001M-0002-SO	0.22	0.042	J-	Q	4.4	N/A
DL2SS-001M-0001-SO	Calcium	3350	0.91	mg/kg			DL2SS-001M-0002-SO	3550	0.91			5.8	N/A
DL2SS-001M-0001-SO	Chromium	156	0.25	mg/kg	J-	A	DL2SS-001M-0002-SO	69.2	0.25	J-	A	77.1	N/A
DL2SS-001M-0001-SO	Cobalt	10.1	0.099	mg/kg	J-	A	DL2SS-001M-0002-SO	10	0.099	J-	A, Q	1.0	N/A
DL2SS-001M-0001-SO	Copper	443	3.8	mg/kg	J-	Q, A	DL2SS-001M-0002-SO	358	3.8	J-	Q, A	21.2	N/A
DL2SS-001M-0001-SO	Iron	20500	18	mg/kg	J-	Q, A	DL2SS-001M-0002-SO	20800	18	J-	Q, A	1.5	N/A
DL2SS-001M-0001-SO	Lead	32.2	0.24	mg/kg	J-	A	DL2SS-001M-0002-SO	34	0.24	J-	A	5.4	N/A
DL2SS-001M-0001-SO	Magnesium	1590	0.73	mg/kg	J-	A	DL2SS-001M-0002-SO	1610	0.73	J-	A	1.3	N/A
DL2SS-001M-0001-SO	Manganese	803	1.2	mg/kg	J	E, A	DL2SS-001M-0002-SO	1520	1.2	J	E, A	61.7	N/A
DL2SS-001M-0001-SO	Nickel	12	0.12	mg/kg	J-	A	DL2SS-001M-0002-SO	12.8	0.12	J-	A	6.5	N/A
DL2SS-001M-0001-SO	Selenium	0.081	0.42	mg/kg	J-	Q	DL2SS-001M-0002-SO	0.42	0.42	UJ	Q, $, MDL changed from 0.07	N/A	Yes
DL2SS-001M-0001-SO	Silver	0.22	0.22	mg/kg	UJ	Q	DL2SS-001M-0002-SO	0.22	0.22	UJ	Q	N/A	Yes
DL2SS-001M-0001-SO	Thallium	1.3	0.56	mg/kg	J-	Q	DL2SS-001M-0002-SO	1.4	0.56	J-	Q	N/A	Yes
DL2SS-001M-0001-SO	Vanadium	17.3	0.14	mg/kg	J-	A	DL2SS-001M-0002-SO	17.7	0.14	J-	A	2.3	N/A
DL2SS-001M-0001-SO	Zinc	292	0.48	mg/kg	J-	A	DL2SS-001M-0002-SO	245	0.48	J-	A	17.5	N/A
DL2SS-001M-0001-SO	Potassium	997	150	mg/kg			DL2SS-001M-0002-SO	748	150			N/A	No
DL2SS-001M-0001-SO	Sodium	60.4	52	mg/kg			DL2SS-001M-0002-SO	42	52	J		N/A	Yes
DL2SS-001M-0001-SO	Hexavalent Chromium	3.9	10	mg/kg	J	C, Q	DL2SS-001M-0002-SO	2.8	10	J	C, Q	N/A	Yes
DL2SS-001M-0001-SO	Mercury	0.031	0.008	mg/kg	J	E, Q	DL2SS-001M-0002-SO	0.023	0.008	J	E, Q	N/A	Yes
DL2SS-001M-0001-SO	4,4'-DDD	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	4,4'-DDE	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DL2SS-001M-0001-SO	4,4'-DDT	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Aldrin	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	alpha-BHC	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	alpha-Chlordane	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	beta-BHC	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	delta-BHC	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Dieldrin	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Endosulfan I	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Endosulfan II	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Endosulfan sulfate	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Endrin	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Endrin aldehyde	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	gamma-BHC	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	gamma-Chlordane	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Heptachlor	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Heptachlor epoxide	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Methoxychlor	0.355	1.78	ug/kg	UJ	C	DL2SS-001M-0002-SO	0.365	1.82	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Toxaphene	18	35.5	ug/kg	UJ	C	DL2SS-001M-0002-SO	18.5	36.5	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	1,2,4-Trichlorobenzene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	1,2-Dichlorobenzene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	1,3-Dichlorobenzene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	1,4-Dichlorobenzene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2,4,5-Trichlorophenol	510	510	ug/kg	UJ	C	DL2SS-001M-0002-SO	500	500	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2,4,6-Trichlorophenol	510	510	ug/kg	UJ	C	DL2SS-001M-0002-SO	500	500	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	C	DL2SS-001M-0002-SO	500	500	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2,4-Dimethylphenol	400	400	ug/kg	UJ	Q, C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	R	Q	DL2SS-001M-0002-SO	2000	2000	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2,4-Dinitrotoluene	400	400	ug/kg	R	D	DL2SS-001M-0002-SO	400	400	R	D	N/A	Yes
DL2SS-001M-0001-SO	2,6-Dinitrotoluene	400	400	ug/kg	R	D	DL2SS-001M-0002-SO	400	400	R	D	N/A	Yes
DL2SS-001M-0001-SO	2-Chloronaphthalene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	C	DL2SS-001M-0002-SO	500	500	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2-Methyl-4,6-dinitrophenol	1000	1000	ug/kg	R	Q	DL2SS-001M-0002-SO	1000	1000	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2-Methylnaphthalene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C	DL2SS-001M-0002-SO	1000	1000	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2-Nitroaniline	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	C	DL2SS-001M-0002-SO	500	500	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	3,3'-Dichlorobenzidine	510	510	ug/kg	R	Q	DL2SS-001M-0002-SO	500	500	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	3-Nitroaniline	1000	1000	ug/kg	R	Q	DL2SS-001M-0002-SO	1000	1000	UJ	C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DL2SS-001M-0001-SO	4-Bromophenyl phenyl ether	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	4-Chloro-3-methylphenol	510	510	ug/kg	UJ	C	DL2SS-001M-0002-SO	500	500	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	4-Chloroaniline	400	400	ug/kg	R	Q	DL2SS-001M-0002-SO	400	400	UJ	L, C	N/A	Yes
DL2SS-001M-0001-SO	4-Chlorophenyl phenyl ether	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C	DL2SS-001M-0002-SO	2000	2000	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	Q, C	DL2SS-001M-0002-SO	1000	1000	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C	DL2SS-001M-0002-SO	1000	1000	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Acenaphthene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Acenaphthylene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Anthracene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Benzo(a)anthracene	53	400	ug/kg	J	C	DL2SS-001M-0002-SO	45	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	Benzo(a)pyrene	46	400	ug/kg	J	C	DL2SS-001M-0002-SO	49	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	Benzo(b)fluoranthene	86	400	ug/kg	J	C	DL2SS-001M-0002-SO	87	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	Benzo(g,h,i)perylene	40	400	ug/kg	J	C	DL2SS-001M-0002-SO	36	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	Benzo(k)fluoranthene	48	400	ug/kg	J	C	DL2SS-001M-0002-SO	42	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	Benzoic acid	450	2000	ug/kg	J	L, Q, C	DL2SS-001M-0002-SO	2000	2000	UJ	L, C	N/A	Yes
DL2SS-001M-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C	DL2SS-001M-0002-SO	1000	1000	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Bis(2-chloroethoxy)methane	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Bis(2-chloroethyl) ether	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Bis(2-chloroisopropyl) ether	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Bis(2-ethylhexyl) phthalate	110	1000	ug/kg	J	C	DL2SS-001M-0002-SO	1000	1000	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Butylbenzyl phthalate	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Carbazole	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Chrysene	74	400	ug/kg	J	C	DL2SS-001M-0002-SO	59	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	Dibenzo(a,h)anthracene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Dibenzofuran	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Diethyl phthalate	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Dimethyl phthalate	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Di-n-butyl phthalate	120	400	ug/kg	J	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Di-n-octyl phthalate	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Fluoranthene	150	400	ug/kg	J	C	DL2SS-001M-0002-SO	69	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	Fluorene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Hexachlorobenzene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Hexachlorobutadiene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Hexachlorocyclopentadiene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Hexachloroethane	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Indeno(1,2,3-cd)pyrene	39	400	ug/kg	J	C	DL2SS-001M-0002-SO	39	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	Isophorone	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DL2SS-001M-0001-SO	Naphthalene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Nitrobenzene	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	R	D	N/A	Yes
DL2SS-001M-0001-SO	N-Nitroso-di-n-propylamine	400	400	ug/kg	UJ	C	DL2SS-001M-0002-SO	400	400	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	N-Nitrosodiphenylamine	810	810	ug/kg	UJ	C	DL2SS-001M-0002-SO	800	800	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	Q, C	DL2SS-001M-0002-SO	1000	1000	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Phenanthrene	76	400	ug/kg	J	C	DL2SS-001M-0002-SO	26	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	Phenol	510	510	ug/kg	UJ	C	DL2SS-001M-0002-SO	500	500	UJ	C	N/A	Yes
DL2SS-001M-0001-SO	Pyrene	90	400	ug/kg	J	C	DL2SS-001M-0002-SO	58	400	J	C	N/A	Yes
DL2SS-001M-0001-SO	1,3,5-Trinitrobenzene	0.5	0.5	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.5	0.5	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	1,3-Dinitrobenzene	0.4	0.4	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.4	0.4	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	2,4,6-Trinitrotoluene	0.4	0.4	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.4	0.4	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	2,4-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.5	0.5	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	2,6-Dinitrotoluene	0.25	0.25	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.25	0.25	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	2-Amino-4,6-dinitrotoluene	0.25	0.25	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.25	0.25	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	2-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.5	0.5	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	3-Nitrotoluene	0.25	0.25	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.25	0.25	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	4-Amino-2,6-dinitrotoluene	0.25	0.25	mg/kg	UJ	H. C	DL2SS-001M-0002-SO	0.25	0.25	UJ	H. C	N/A	Yes
DL2SS-001M-0001-SO	4-Nitrotoluene	0.4	0.4	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.4	0.4	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	HMX	0.4	0.4	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.4	0.4	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	Nitrobenzene	0.25	0.25	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.25	0.25	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	Nitroglycerin	2	2	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	2	2	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	PETN	2	2	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	2	2	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	RDX	0.5	0.5	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.5	0.5	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	Tetryl	0.4	0.4	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.4	0.4	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	Nitroguanidine	0.25	0.25	mg/kg	UJ	H, C	DL2SS-001M-0002-SO	0.25	0.25	UJ	H, C	N/A	Yes
DL2SS-001M-0001-SO	Nitrocellulose	100	100	mg/kg	UJ	Q, C	DL2SS-001M-0002-SO	100	100	UJ	Q, C	N/A	Yes
DL2SS-006-0001-SO	1,1,1-Trichloroethane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	1,1,2,2-Tetrachloroethane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	1,1,2-Trichloroethane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	1,1-Dichloroethane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	1,1-Dichloroethene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	1,2-Dibromoethane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	1,2-Dichloroethane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	1,2-Dichloropropane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	2-Butanone	710	710	ug/kg	UJ	C	DL2SS-006-0002-SO	560	560	UJ	C	N/A	Yes
DL2SS-006-0001-SO	2-Hexanone	710	710	ug/kg	UJ	C	DL2SS-006-0002-SO	560	560	UJ	C	N/A	Yes
DL2SS-006-0001-SO	4-Methyl-2-pentanone	710	710	ug/kg	UJ	C	DL2SS-006-0002-SO	560	560	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Acetone	1400	1400	ug/kg	UJ	C	DL2SS-006-0002-SO	1100	1100	UJ	C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DL2SS-006-0001-SO	Benzene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Bromochloromethane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Bromodichloromethane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Bromoform	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Bromomethane	140	140	ug/kg	UJ	C	DL2SS-006-0002-SO	110	110	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Carbon disulfide	140	140	ug/kg	UJ	C	DL2SS-006-0002-SO	110	110	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Carbon tetrachloride	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Chlorobenzene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Chloroethane	140	140	ug/kg	UJ	C	DL2SS-006-0002-SO	110	110	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Chloroform	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Chloromethane	140	140	ug/kg	UJ	C	DL2SS-006-0002-SO	110	110	UJ	C	N/A	Yes
DL2SS-006-0001-SO	cis-1,2-Dichloroethene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	cis-1,3-Dichloropropene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Dibromochloromethane	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Ethylbenzene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	m,p-Xylenes	140	140	ug/kg	UJ	C	DL2SS-006-0002-SO	110	110	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Methylene chloride	140	140	ug/kg	UJ	C	DL2SS-006-0002-SO	110	110	UJ	C	N/A	Yes
DL2SS-006-0001-SO	o-Xylene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Styrene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Tetrachloroethene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Toluene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	trans-1,2-Dichloroethene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	trans-1,3-Dichloropropene	140	140	ug/kg	UJ	C	DL2SS-006-0002-SO	110	110	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Trichloroethene	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DL2SS-006-0001-SO	Vinyl chloride	71	71	ug/kg	UJ	C	DL2SS-006-0002-SO	56	56	UJ	C	N/A	Yes
DLASS-002-0001-SO	Aroclor 1016	51	51	ug/kg	UJ	H, C	DLASS-002-0003-SO	50	50	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aroclor 1221	51	51	ug/kg	UJ	H, C	DLASS-002-0003-SO	50	50	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aroclor 1232	51	51	ug/kg	UJ	H, C	DLASS-002-0003-SO	50	50	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aroclor 1242	51	51	ug/kg	UJ	H, C	DLASS-002-0003-SO	50	50	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aroclor 1248	51	51	ug/kg	UJ	H, C	DLASS-002-0003-SO	50	50	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aroclor 1254	51	51	ug/kg	UJ	H, C	DLASS-002-0003-SO	50	50	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aroclor 1260	51	51	ug/kg	UJ	H, C	DLASS-002-0003-SO	50	50	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aroclor 1262	51	51	ug/kg	UJ	H, C	DLASS-002-0003-SO	50	50	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aroclor 1268	51	51	ug/kg	UJ	H, C	DLASS-002-0003-SO	50	50	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aluminum	10900	0.24	mg/kg			DLASS-002-0003-SO	10600	0.24			2.8	N/A
DLASS-002-0001-SO	Antimony	99.4	0.55	mg/kg	J-	Q	DLASS-002-0003-SO	113	0.55	J	Q, E, *III	12.8	N/A
DLASS-002-0001-SO	Arsenic	10.1	0.92	mg/kg			DLASS-002-0003-SO	10.2	0.91	J	Q	1.0	N/A
DLASS-002-0001-SO	Barium	121	0.055	mg/kg			DLASS-002-0003-SO	103	0.055	J-	A, Q	16.1	N/A

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-002-0001-SO	Beryllium	0.57	0.024	mg/kg			DLASS-002-0003-SO	0.57	0.024	J	Q	0.0	N/A
DLASS-002-0001-SO	Cadmium	0.29	0.043	mg/kg	J	Q, E	DLASS-002-0003-SO	0.19	0.043	J	A, Q, E	N/A	No
DLASS-002-0001-SO	Calcium	3740	1	mg/kg			DLASS-002-0003-SO	3720	1	J	Q	0.5	N/A
DLASS-002-0001-SO	Chromium	110	0.13	mg/kg	J		DLASS-002-0003-SO	103	0.13	J-	A	6.6	N/A
DLASS-002-0001-SO	Cobalt	9.1	0.1	mg/kg	J-	A, Q	DLASS-002-0003-SO	8.4	0.099	J-	A, Q	8.0	N/A
DLASS-002-0001-SO	Copper	10.3	0.41	mg/kg	J-	A, Q	DLASS-002-0003-SO	10.9	0.41	J-	A, Q	5.7	N/A
DLASS-002-0001-SO	Iron	29800	2	mg/kg			DLASS-002-0003-SO	17600	2	J-	A	51.5	N/A
DLASS-002-0001-SO	Lead	48.6	0.29	mg/kg	J-	A, Q	DLASS-002-0003-SO	32.5	0.28	J-	A, Q	39.7	N/A
DLASS-002-0001-SO	Magnesium	2290	0.82	mg/kg	J	Q, *III	DLASS-002-0003-SO	1580	0.81	J	Q, *III, A	36.7	N/A
DLASS-002-0001-SO	Manganese	1510	0.1	mg/kg	J-	Q	DLASS-002-0003-SO	1290	0.1	J-	Q	15.7	N/A
DLASS-002-0001-SO	Nickel	12.8	0.12	mg/kg	J-	A, Q	DLASS-002-0003-SO	12.4	0.12	J-	A, Q	3.2	N/A
DLASS-002-0001-SO	Selenium	1.7	0.86	mg/kg	J	B, Q, E	DLASS-002-0003-SO	0.85	0.85	UJ	Q, E	N/A	Yes
DLASS-002-0001-SO	Silver	0.15	0.11	mg/kg			DLASS-002-0003-SO	0.11	0.11	UJ	Q	N/A	Yes
DLASS-002-0001-SO	Thallium	0.69	0.29	mg/kg	J-	B, Q	DLASS-002-0003-SO	0.32	0.28	J-	B, Q	N/A	No
DLASS-002-0001-SO	Vanadium	21.5	0.069	mg/kg			DLASS-002-0003-SO	21.3	0.069	J	Q	0.9	N/A
DLASS-002-0001-SO	Zinc	58.6	0.24	mg/kg	J-	A, Q	DLASS-002-0003-SO	49.5	0.24	J-	A, Q	16.8	N/A
DLASS-002-0001-SO	Potassium	948	37	mg/kg			DLASS-002-0003-SO	888	37			6.5	N/A
DLASS-002-0001-SO	Sodium	47.9	13	mg/kg			DLASS-002-0003-SO	46.2	13			N/A	Yes
DLASS-002-0001-SO	Hexavalent Chromium	6.5	6.5	mg/kg	R	Q	DLASS-002-0003-SO	6.5	6.5	R	Q	N/A	Yes
DLASS-002-0001-SO	Mercury	0.11	0.008	mg/kg			DLASS-002-0003-SO	0.045	0.008	J	E	83.9	N/A
DLASS-002-0001-SO	4,4'-DDD	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4,4'-DDE	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4,4'-DDT	0.784	1.71	ug/kg	J	H, C, $,-, *III, result changed from 0.341	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Aldrin	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	alpha Chlordane	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	alpha-BHC	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	beta-BHC	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	delta-BHC	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Dieldrin	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Endosulfan I	0.803	1.71	ug/kg	J	H, $,-, C, result changed from 0.341	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-002-0001-SO	Endosulfan II	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Endosulfan sulfate	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Endrin	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Endrin aldehyde	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Endrin ketone	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	gamma Chlordane	0.74	1.71	ug/kg	J	H, C, $,-,*III, result changed from 0.341	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	gamma-BHC (Lindane)	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.627	1.67	NJ	H, C, $, -, *III, result changed from 0.335	N/A	Yes
DLASS-002-0001-SO	Heptachlor	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Heptachlor epoxide	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Methoxychlor	0.341	1.71	ug/kg	UJ	H, C	DLASS-002-0003-SO	0.335	1.67	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Toxaphene	17.3	34.1	ug/kg	UJ	H, C	DLASS-002-0003-SO	16.9	33.5	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	1,2,4-Trichlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2,4,5-Trichlorophenol	510	510	ug/kg	UJ	H, C	DLASS-002-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2,4,6-Trichlorophenol	510	510	ug/kg	UJ	H, C	DLASS-002-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	H, C	DLASS-002-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	H, Q, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	R	L, Q	DLASS-002-0003-SO	2000	2000	R	L	N/A	Yes
DLASS-002-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D	DLASS-002-0003-SO	410	410	R	D	N/A	Yes
DLASS-002-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D	DLASS-002-0003-SO	410	410	R	D	N/A	Yes
DLASS-002-0001-SO	2-Chloronaphthalene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	H, C	DLASS-002-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2-Methyl-4,6-dinitrophenol	1000	1000	ug/kg	R	Q	DLASS-002-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2-Methylnaphthalene	36	410	ug/kg	J	H, C	DLASS-002-0003-SO	40	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	H, C	DLASS-002-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	H, C	DLASS-002-0003-SO	510	510	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-002-0001-SO	3,3'-Dichlorobenzidine	510	510	ug/kg	R	Q	DLASS-002-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	3-Nitroaniline	1000	1000	ug/kg	R	Q	DLASS-002-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4-Bromophenyl phenyl ether	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4-Chloro-3-methylphenol	510	510	ug/kg	UJ	H, C	DLASS-002-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4-Chloroaniline	410	410	ug/kg	R	Q	DLASS-002-0003-SO	410	410	UJ	H, L, C	N/A	Yes
DLASS-002-0001-SO	4-Chlorophenyl phenyl ether	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	H, C	DLASS-002-0003-SO	2000	2000	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	H, C	DLASS-002-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	H, C	DLASS-002-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Acenaphthene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Acenaphthylene	33	410	ug/kg	J	H, C	DLASS-002-0003-SO	52	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Acetophenone	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Anthracene	97	410	ug/kg	J	H, C	DLASS-002-0003-SO	200	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Benzo(a)anthracene	370	410	ug/kg	J	H, C	DLASS-002-0003-SO	600	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Benzo(a)pyrene	280	410	ug/kg	J	H, C	DLASS-002-0003-SO	420	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Benzo(b)fluoranthene	440	410	ug/kg	J	H, C	DLASS-002-0003-SO	690	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Benzo(g,h,i)perylene	150	410	ug/kg	J	H, C	DLASS-002-0003-SO	190	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Benzo(k)fluoranthene	170	410	ug/kg	J	H, C	DLASS-002-0003-SO	260	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Benzoic acid	350	2000	ug/kg	J	H, L, Q, C	DLASS-002-0003-SO	340	2000	J	H, L, C	N/A	Yes
DLASS-002-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	H, C	DLASS-002-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Bis(2-chloroethoxy)methane	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Bis(2-chloroethyl) ether	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Bis(2-chloroisopropyl) ether	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Bis(2-ethylhexyl) phthalate	220	1000	ug/kg	J	H, C	DLASS-002-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Butylbenzyl phthalate	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Carbazole	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	49	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Chrysene	360	410	ug/kg	J	H, C	DLASS-002-0003-SO	530	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Dibenzo(a,h)anthracene	50	410	ug/kg	J	H, C	DLASS-002-0003-SO	66	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Dibenzofuran	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	24	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Diethyl phthalate	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	68	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Di-n-butyl phthalate	90	410	ug/kg	J	H, C	DLASS-002-0003-SO	250	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Fluoranthene	720	410	ug/kg	J	H, C	DLASS-002-0003-SO	1300	410	J	H, C	N/A	No
DLASS-002-0001-SO	Fluorene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	57	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Hexachlorobutadiene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Hexachlorocyclopentadiene	410	410	ug/kg	R	Q	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-002-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Indeno(1,2,3-cd)pyrene	150	410	ug/kg	J	H, C	DLASS-002-0003-SO	200	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Isophorone	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Naphthalene	27	410	ug/kg	J	H, C	DLASS-002-0003-SO	33	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Nitrobenzene	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	R	D	N/A	Yes
DLASS-002-0001-SO	N-Nitroso-di-n-propylamine	410	410	ug/kg	UJ	H, C	DLASS-002-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	N-Nitrosodiphenylamine	820	820	ug/kg	UJ	H, C	DLASS-002-0003-SO	810	810	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Pentachlorophenol	1000	1000	ug/kg	R	Q	DLASS-002-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Phenanthrene	320	410	ug/kg	J	H, C	DLASS-002-0003-SO	580	410	J	H, C	N/A	Yes
DLASS-002-0001-SO	Phenol	510	510	ug/kg	UJ	H, C	DLASS-002-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Pyrene	570	410	ug/kg	J	H, C	DLASS-002-0003-SO	990	410	J	H, C	N/A	No
DLASS-002-0001-SO	1,3,5-Trinitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2,6-Dinitrotoluene	0.51	0.51	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2-Amino-4,6-dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4-Amino-2,6-dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	4-Nitrotoluene	0.51	0.51	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	HMX	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C	DLASS-002-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C	DLASS-002-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	RDX	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C	DLASS-002-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-002-0001-SO	Nitroguanidine	0.11	0.16	mg/kg	J-	H, *III, C	DLASS-002-0003-SO	0.29	0.16	J-	H, *III, C	N/A	No
DLASS-002-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C, Q	DLASS-002-0003-SO	23	23	UJ	H, C	N/A	Yes
DLASS-003-0001-SO	1,1,1-Trichloroethane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	1,1,2,2-Tetrachloroethane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	1,1,2-Trichloroethane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	1,1-Dichloroethane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	1,1-Dichloroethene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	1,2-Dibromoethane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	1,2-Dichloroethane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	1,2-Dichloropropane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	2-Butanone	600	600	ug/kg	UJ	C	DLASS-003-0002-SO	650	650	UJ	C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-003-0001-SO	2-Hexanone	600	600	ug/kg	UJ	C	DLASS-003-0002-SO	650	650	UJ	C	N/A	Yes
DLASS-003-0001-SO	4-Methyl-2-pentanone	600	600	ug/kg	UJ	C	DLASS-003-0002-SO	650	650	UJ	C	N/A	Yes
DLASS-003-0001-SO	Acetone	1200	1200	ug/kg	UJ	C	DLASS-003-0002-SO	1300	1300	UJ	C	N/A	Yes
DLASS-003-0001-SO	Benzene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Bromochloromethane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Bromodichloromethane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Bromoform	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Bromomethane	120	120	ug/kg	UJ	C	DLASS-003-0002-SO	130	130	UJ	C	N/A	Yes
DLASS-003-0001-SO	Carbon disulfide	120	120	ug/kg	UJ	C	DLASS-003-0002-SO	130	130	UJ	C	N/A	Yes
DLASS-003-0001-SO	Carbon tetrachloride	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Chlorobenzene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Chloroethane	120	120	ug/kg	UJ	C	DLASS-003-0002-SO	130	130	UJ	C	N/A	Yes
DLASS-003-0001-SO	Chloroform	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Chloromethane	120	120	ug/kg	UJ	C	DLASS-003-0002-SO	130	130	UJ	C	N/A	Yes
DLASS-003-0001-SO	cis-1,2-Dichloroethene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	cis-1,3-Dichloropropene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Dibromochloromethane	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Ethylbenzene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	m,p-Xylenes	120	120	ug/kg	UJ	C	DLASS-003-0002-SO	130	130	UJ	C	N/A	Yes
DLASS-003-0001-SO	Methylene chloride	120	120	ug/kg	UJ	Q, C	DLASS-003-0002-SO	130	130	UJ	C	N/A	Yes
DLASS-003-0001-SO	o-Xylene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Styrene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Tetrachloroethene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Toluene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	trans-1,2-Dichloroethene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	trans-1,3-Dichloropropene	120	120	ug/kg	UJ	C	DLASS-003-0002-SO	130	130	UJ	C	N/A	Yes
DLASS-003-0001-SO	Trichloroethene	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-003-0001-SO	Vinyl chloride	60	60	ug/kg	UJ	C	DLASS-003-0002-SO	65	65	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aroclor 1016	52	52	ug/kg	UJ	C	DLASS-014-0003-SO	52	52	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aroclor 1221	52	52	ug/kg	UJ	C	DLASS-014-0003-SO	52	52	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aroclor 1232	52	52	ug/kg	UJ	C	DLASS-014-0003-SO	52	52	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aroclor 1242	52	52	ug/kg	UJ	C	DLASS-014-0003-SO	52	52	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aroclor 1248	52	52	ug/kg	UJ	C	DLASS-014-0003-SO	52	52	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aroclor 1254	52	52	ug/kg	UJ	C	DLASS-014-0003-SO	52	52	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aroclor 1260	52	52	ug/kg	UJ	C	DLASS-014-0003-SO	52	52	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aroclor 1262	52	52	ug/kg	UJ	C	DLASS-014-0003-SO	52	52	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aroclor 1268	52	52	ug/kg	UJ	C	DLASS-014-0003-SO	52	52	UJ	C	N/A	Yes
DLASS-014-0001-SO	Aluminum	10200	0.25	mg/kg			DLASS-014-0003-SO	9670	0.25			5.3	N/A

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-014-0001-SO	Antimony	2.4	0.56	mg/kg	J	Q, E, *III	DLASS-014-0003-SO	0.47	0.56	J	Q, E, *III	N/A	No
DLASS-014-0001-SO	Arsenic	10.8	0.93	mg/kg			DLASS-014-0003-SO	10.5	0.93	J	Q	2.8	N/A
DLASS-014-0001-SO	Barium	94.4	0.056	mg/kg			DLASS-014-0003-SO	88.9	0.056	J-	A, Q	6.0	N/A
DLASS-014-0001-SO	Beryllium	0.63	0.025	mg/kg			DLASS-014-0003-SO	0.61	0.025	J	Q	3.2	N/A
DLASS-014-0001-SO	Cadmium	1.1	0.043	mg/kg	J-	A	DLASS-014-0003-SO	1	0.043	J	A, Q, E	9.5	N/A
DLASS-014-0001-SO	Calcium	2880	2.6	mg/kg			DLASS-014-0003-SO	2910	2.6	J	Q	1.0	N/A
DLASS-014-0001-SO	Chromium	156	0.33	mg/kg			DLASS-014-0003-SO	30.8	0.33	J-	A	134.0	N/A
DLASS-014-0001-SO	Cobalt	10.9	0.25	mg/kg			DLASS-014-0003-SO	9	0.25	J-	A, Q	19.1	N/A
DLASS-014-0001-SO	Copper	14.6	0.41	mg/kg	J-	A	DLASS-014-0003-SO	13.9	0.41	J-	A, Q	4.9	N/A
DLASS-014-0001-SO	Iron	22500	2.1	mg/kg	J-	A	DLASS-014-0003-SO	22400	2.1	J-	A	0.4	N/A
DLASS-014-0001-SO	Lead	30.4	0.29	mg/kg			DLASS-014-0003-SO	30.9	0.29	J-	A, Q	1.6	N/A
DLASS-014-0001-SO	Magnesium	2540	2.1	mg/kg	J	*III	DLASS-014-0003-SO	2040	2.1	J	*III, Q, A	21.8	N/A
DLASS-014-0001-SO	Manganese	738	0.1	mg/kg	J-	Q	DLASS-014-0003-SO	760	0.1	J-	Q	2.9	N/A
DLASS-014-0001-SO	Nickel	20.6	0.31	mg/kg			DLASS-014-0003-SO	18.2	0.32	J-	A, Q	12.4	N/A
DLASS-014-0001-SO	Selenium	0.87	0.87	mg/kg			DLASS-014-0003-SO	0.87	0.87	J	Q, E	N/A	Yes
DLASS-014-0001-SO	Silver	0.15	0.12	mg/kg	J-	Q	DLASS-014-0003-SO	0.17	0.12	J-	Q	N/A	Yes
DLASS-014-0001-SO	Thallium	0.92	0.72	mg/kg			DLASS-014-0003-SO	0.3	0.72	J-	Q	N/A	Yes
DLASS-014-0001-SO	Vanadium	22.8	0.07	mg/kg			DLASS-014-0003-SO	22	0.07	J	Q	3.6	N/A
DLASS-014-0001-SO	Zinc	47.6	0.25	mg/kg	J-	A	DLASS-014-0003-SO	47.6	0.25	J-	A, Q	0.0	N/A
DLASS-014-0001-SO	Potassium	970	37	mg/kg			DLASS-014-0003-SO	620	37			44.0	N/A
DLASS-014-0001-SO	Sodium	54.7	13	mg/kg			DLASS-014-0003-SO	25.1	13			N/A	No
DLASS-014-0001-SO	Hexavalent Chromium	6.6	6.6	mg/kg	R	Q	DLASS-014-0003-SO	6.6	6.6	R	Q	N/A	Yes
DLASS-014-0001-SO	Mercury	0.04	0.008	mg/kg			DLASS-014-0003-SO	0.045	0.008	J	E	N/A	Yes
DLASS-014-0001-SO	4,4'-DDD	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	4,4'-DDE	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	4,4'-DDT	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Aldrin	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	alpha-BHC	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	alpha-Chlordane	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	beta-BHC	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	delta-BHC	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Dieldrin	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Endosulfan I	0.829	0.42	ug/kg	J	H, C, result changed from 0.42	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Endosulfan II	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Endosulfan sulfate	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-014-0001-SO	Endrin	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Endrin aldehyde	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	gamma-BHC	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	gamma-Chlordane	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Heptachlor	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Heptachlor epoxide	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Methoxychlor	0.42	0.42	ug/kg	UJ	H, C	DLASS-014-0003-SO	0.475	0.475	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Toxaphene	21.3	21.3	ug/kg	UJ	H, C	DLASS-014-0003-SO	24	24	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	1,2,4-Trichlorobenzene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	2,4,5-Trichlorophenol	520	520	ug/kg	UJ	C	DLASS-014-0003-SO	520	520	UJ	C	N/A	Yes
DLASS-014-0001-SO	2,4,6-Trichlorophenol	520	520	ug/kg	UJ	C	DLASS-014-0003-SO	520	520	UJ	C	N/A	Yes
DLASS-014-0001-SO	2,4-Dichlorophenol	520	520	ug/kg	UJ	C	DLASS-014-0003-SO	520	520	UJ	C	N/A	Yes
DLASS-014-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	2,4-Dinitrophenol	2100	2100	ug/kg	R	Q	DLASS-014-0003-SO	2100	2100	UJ	C	N/A	Yes
DLASS-014-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D	DLASS-014-0003-SO	420	420	R	D	N/A	Yes
DLASS-014-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D	DLASS-014-0003-SO	420	420	R	D	N/A	Yes
DLASS-014-0001-SO	2-Chloronaphthalene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	2-Chlorophenol	520	520	ug/kg	UJ	C	DLASS-014-0003-SO	520	520	UJ	C	N/A	Yes
DLASS-014-0001-SO	2-Methyl-4,6-dinitrophenol	1000	1000	ug/kg	UJ	C	DLASS-014-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-014-0001-SO	2-Methylnaphthalene	35	410	ug/kg	J	C	DLASS-014-0003-SO	28	420	J	C	N/A	Yes
DLASS-014-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C	DLASS-014-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-014-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	2-Nitrophenol	520	520	ug/kg	UJ	C	DLASS-014-0003-SO	520	520	UJ	C	N/A	Yes
DLASS-014-0001-SO	3,3'-Dichlorobenzidine	520	520	ug/kg	R	Q	DLASS-014-0003-SO	520	520	UJ	C	N/A	Yes
DLASS-014-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C	DLASS-014-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-014-0001-SO	4-Bromophenyl phenyl ether	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	4-Chloro-3-methylphenol	520	520	ug/kg	UJ	C	DLASS-014-0003-SO	520	520	UJ	C	N/A	Yes
DLASS-014-0001-SO	4-Chloroaniline	410	410	ug/kg	R	L, Q	DLASS-014-0003-SO	420	420	R	L	N/A	Yes
DLASS-014-0001-SO	4-Chlorophenyl phenyl ether	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	4-Methylphenol	2100	2100	ug/kg	UJ	C	DLASS-014-0003-SO	2100	2100	UJ	C	N/A	Yes
DLASS-014-0001-SO	4-Nitroaniline	1000	1000	ug/kg	R	Q	DLASS-014-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-014-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C	DLASS-014-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-014-0001-SO	Acenaphthene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Acenaphthylene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Acetophenone	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-014-0001-SO	Anthracene	37	410	ug/kg	J	C	DLASS-014-0003-SO	38	420	J	C	N/A	Yes
DLASS-014-0001-SO	Benzo(a)anthracene	190	410	ug/kg	J	C	DLASS-014-0003-SO	180	420	J	C	N/A	Yes
DLASS-014-0001-SO	Benzo(a)pyrene	180	410	ug/kg	J	C	DLASS-014-0003-SO	170	420	J	C	N/A	Yes
DLASS-014-0001-SO	Benzo(b)fluoranthene	300	410	ug/kg	J	C	DLASS-014-0003-SO	250	420	J	C	N/A	Yes
DLASS-014-0001-SO	Benzo(g,h,i)perylene	120	410	ug/kg	J	C	DLASS-014-0003-SO	100	420	J	C	N/A	Yes
DLASS-014-0001-SO	Benzo(k)fluoranthene	130	410	ug/kg	J	C	DLASS-014-0003-SO	110	420	J	C	N/A	Yes
DLASS-014-0001-SO	Benzoic acid	980	2100	ug/kg	R	Q	DLASS-014-0003-SO	560	2100	J	L, C	N/A	Yes
DLASS-014-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C	DLASS-014-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-014-0001-SO	Bis(2-chloroethoxy)methane	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Bis(2-chloroethyl) ether	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Bis(2-chloroisopropyl) ether	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Bis(2-ethylhexyl) phthalate	900	1000	ug/kg	J	C	DLASS-014-0003-SO	290	1000	J	C	N/A	Yes
DLASS-014-0001-SO	Butylbenzyl phthalate	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Carbazole	32	410	ug/kg	J	C	DLASS-014-0003-SO	37	420	J	C	N/A	Yes
DLASS-014-0001-SO	Chrysene	210	410	ug/kg	J	C	DLASS-014-0003-SO	210	420	J	C	N/A	Yes
DLASS-014-0001-SO	Dibenzo(a,h)anthracene	35	410	ug/kg	J	C	DLASS-014-0003-SO	29	420	J	C	N/A	Yes
DLASS-014-0001-SO	Dibenzofuran	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Diethyl phthalate	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Di-n-butyl phthalate	120	410	ug/kg	J	C	DLASS-014-0003-SO	96	420	J	C	N/A	Yes
DLASS-014-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Fluoranthene	480	410	ug/kg	J	C	DLASS-014-0003-SO	480	420	J	C	N/A	Yes
DLASS-014-0001-SO	Fluorene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Hexachlorobutadiene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Hexachlorocyclopentadiene	410	410	ug/kg	UJ	Q, C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Indeno(1,2,3-cd)pyrene	120	410	ug/kg	J	C	DLASS-014-0003-SO	95	420	J	C	N/A	Yes
DLASS-014-0001-SO	Isophorone	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	Naphthalene	30	410	ug/kg	J	C	DLASS-014-0003-SO	24	420	J	C	N/A	Yes
DLASS-014-0001-SO	Nitrobenzene	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	R	D	N/A	Yes
DLASS-014-0001-SO	N-Nitroso-di-n-propylamine	410	410	ug/kg	UJ	C	DLASS-014-0003-SO	420	420	UJ	C	N/A	Yes
DLASS-014-0001-SO	N-Nitrosodiphenylamine	830	830	ug/kg	UJ	C	DLASS-014-0003-SO	830	830	UJ	C	N/A	Yes
DLASS-014-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	L, C	DLASS-014-0003-SO	1000	1000	UJ	L, C	N/A	Yes
DLASS-014-0001-SO	Phenanthrene	250	410	ug/kg	J	C	DLASS-014-0003-SO	250	420	J	C	N/A	Yes
DLASS-014-0001-SO	Phenol	520	520	ug/kg	UJ	C	DLASS-014-0003-SO	520	520	UJ	C	N/A	Yes
DLASS-014-0001-SO	Pyrene	370	410	ug/kg	J	C	DLASS-014-0003-SO	360	420	J	C	N/A	Yes
DLASS-014-0001-SO	1,3,5-Trinitrobenzene	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-014-0001-SO	1,3-Dinitrobenzene	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	2,4,6-Trinitrotoluene	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	2,4-Dinitrotoluene	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	2,6-Dinitrotoluene	0.49	0.49	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	2-Amino-4,6-dinitrotoluene	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	2-Nitrotoluene	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	3-Nitrotoluene	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	4-Amino-2,6-dinitrotoluene	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	4-Nitrotoluene	0.49	0.49	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	HMX	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Nitrobenzene	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C	DLASS-014-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C	DLASS-014-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	RDX	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Tetryl	0.43	0.43	mg/kg	UJ	H, C	DLASS-014-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-014-0001-SO	Nitroguanidine	0.3	0.16	mg/kg	J-	H, *III, C	DLASS-014-0003-SO	0.24	0.16	J-	H, *III, C	N/A	Yes
DLASS-014-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C	DLASS-014-0003-SO	23	23	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aroclor 1016	51	51	ug/kg	UJ	H, C	DLASS-022-0003-SO	51	51	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aroclor 1221	51	51	ug/kg	UJ	H, C	DLASS-022-0003-SO	51	51	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aroclor 1232	51	51	ug/kg	UJ	H, C	DLASS-022-0003-SO	51	51	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aroclor 1242	51	51	ug/kg	UJ	H, C	DLASS-022-0003-SO	51	51	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aroclor 1248	51	51	ug/kg	UJ	H, C	DLASS-022-0003-SO	51	51	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aroclor 1254	51	51	ug/kg	UJ	H, C	DLASS-022-0003-SO	51	51	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aroclor 1260	51	51	ug/kg	UJ	H, C	DLASS-022-0003-SO	51	51	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aroclor 1262	51	51	ug/kg	UJ	H, C	DLASS-022-0003-SO	51	51	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aroclor 1268	51	51	ug/kg	UJ	H, C	DLASS-022-0003-SO	51	51	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aluminum	10900	0.24	mg/kg			DLASS-022-0003-SO	11300	0.24			3.6	N/A
DLASS-022-0001-SO	Antimony	2.3	0.55	mg/kg	J	Q, E, *III	DLASS-022-0003-SO	2.7	0.55	J	Q, E, *III	N/A	Yes
DLASS-022-0001-SO	Arsenic	10.2	0.92	mg/kg	J	Q	DLASS-022-0003-SO	10.3	0.92	J	Q	1.0	N/A
DLASS-022-0001-SO	Barium	104	0.055	mg/kg	J-	A, Q	DLASS-022-0003-SO	111	0.055	J-	A, Q	6.5	N/A
DLASS-022-0001-SO	Beryllium	0.69	0.024	mg/kg	J	Q	DLASS-022-0003-SO	0.74	0.024	J	Q	7.0	N/A
DLASS-022-0001-SO	Cadmium	0.33	0.043	mg/kg	J	A, Q, E	DLASS-022-0003-SO	0.27	0.043	J	A, Q, E	20.0	N/A
DLASS-022-0001-SO	Calcium	5860	1	mg/kg	J	Q	DLASS-022-0003-SO	8660	1	J	Q	38.6	N/A
DLASS-022-0001-SO	Chromium	95.2	0.13	mg/kg	J-	A	DLASS-022-0003-SO	111	0.13	J-	A	15.3	N/A
DLASS-022-0001-SO	Cobalt	9.6	0.1	mg/kg	J-	A, Q	DLASS-022-0003-SO	9.1	0.1	J-	A, Q	5.3	N/A
DLASS-022-0001-SO	Copper	11.8	0.41	mg/kg	J-	A, Q	DLASS-022-0003-SO	12.5	0.41	J-	A, Q	5.8	N/A
DLASS-022-0001-SO	Iron	27600	2	mg/kg	J-	A	DLASS-022-0003-SO	25800	2	J-	A	6.7	N/A
DLASS-022-0001-SO	Lead	24.5	0.29	mg/kg	J-	A, Q	DLASS-022-0003-SO	25.8	0.29	J-	A, Q	5.2	N/A

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-022-0001-SO	Magnesium	2250	0.81	mg/kg	J	Q, *III	DLASS-022-0003-SO	2560	0.82	J	Q, *III, A	12.9	N/A
DLASS-022-0001-SO	Manganese	1010	0.1	mg/kg	J-	Q	DLASS-022-0003-SO	973	0.1	J-	Q	3.7	N/A
DLASS-022-0001-SO	Nickel	17.4	0.12	mg/kg	J-	A, Q	DLASS-022-0003-SO	17.7	0.12	J-	A, Q	1.7	N/A
DLASS-022-0001-SO	Selenium	2.3	0.86	mg/kg	J	B, Q, E	DLASS-022-0003-SO	1.5	0.86	J	B, Q, E	N/A	Yes
DLASS-022-0001-SO	Silver	0.12	0.11	mg/kg	J-	Q	DLASS-022-0003-SO	0.061	0.11	J-	Q	N/A	Yes
DLASS-022-0001-SO	Thallium	0.9	0.29	mg/kg	J-	Q	DLASS-022-0003-SO	0.7	0.29	J-	B, Q	N/A	Yes
DLASS-022-0001-SO	Vanadium	21.8	0.069	mg/kg	J	Q	DLASS-022-0003-SO	21.4	0.069	J	Q	1.9	N/A
DLASS-022-0001-SO	Zinc	56.5	0.24	mg/kg	J-	A, Q	DLASS-022-0003-SO	54.5	0.24	J-	A, Q	3.6	N/A
DLASS-022-0001-SO	Potassium	1080	37	mg/kg			DLASS-022-0003-SO	1100	37			1.8	N/A
DLASS-022-0001-SO	Sodium	55	13	mg/kg			DLASS-022-0003-SO	67.8	13			N/A	Yes
DLASS-022-0001-SO	Hexavalent Chromium	6.5	6.5	mg/kg	R	Q	DLASS-022-0003-SO	6.5	6.5	R	Q	N/A	Yes
DLASS-022-0001-SO	Mercury	0.043	0.008	mg/kg	J	H, E	DLASS-022-0003-SO	0.042	0.008	J	H, E	2.4	N/A
DLASS-022-0001-SO	4,4'-DDD	0.966	1.75	ug/kg	J	H, C, $, -, result changed from 1.04	DLASS-022-0003-SO	0.796	1.76	NJ	H, C, $, -, *III, result changed from 0.352	N/A	Yes
DLASS-022-0001-SO	4,4'-DDE	2.31	1.75	ug/kg	J	H,C, $, -, *III, result changed from 0.35	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	YES
DLASS-022-0001-SO	4,4'-DDT	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Aldrin	0.354	1.75	ug/kg	J	H, C, $, -, *III, result changed from 0.35	DLASS-022-0003-SO	0.717	1.76	NJ	H, C, $, -, *III, result changed from 0.352	N/A	Yes
DLASS-022-0001-SO	alpha Chlordane	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	alpha-BHC	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	beta-BHC	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	delta-BHC	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Dieldrin	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Endosulfan I	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Endosulfan II	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Endosulfan sulfate	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-022-0001-SO	Endrin	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Endrin aldehyde	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Endrin ketone	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	gamma Chlordane	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	gamma-BHC (Lindane)	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Heptachlor	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Heptachlor epoxide	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Methoxychlor	0.35	1.75	ug/kg	UJ	H, C	DLASS-022-0003-SO	0.352	1.76	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Toxaphene	17.7	35	ug/kg	UJ	H, C	DLASS-022-0003-SO	17.8	35.2	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	1,2,4-Trichlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2,4,5-Trichlorophenol	510	510	ug/kg	UJ	H, C	DLASS-022-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2,4,6-Trichlorophenol	510	510	ug/kg	UJ	H, C	DLASS-022-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	H, C	DLASS-022-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	R	L	DLASS-022-0003-SO	2000	2000	R	L	N/A	Yes
DLASS-022-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D	DLASS-022-0003-SO	410	410	R	D	N/A	Yes
DLASS-022-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D	DLASS-022-0003-SO	410	410	R	D	N/A	Yes
DLASS-022-0001-SO	2-Chloronaphthalene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	H, C	DLASS-022-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2-Methyl-4,6-dinitrophenol	1000	1000	ug/kg	UJ	H, C	DLASS-022-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2-Methylnaphthalene	140	410	ug/kg	J	H, C	DLASS-022-0003-SO	160	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	H, C	DLASS-022-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	H, C	DLASS-022-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	3,3'-Dichlorobenzidine	510	510	ug/kg	UJ	H, C	DLASS-022-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	H, C	DLASS-022-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	4-Bromophenyl phenyl ether	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	4-Chloro-3-methylphenol	510	510	ug/kg	UJ	H, C	DLASS-022-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	4-Chloroaniline	410	410	ug/kg	UJ	H, L, C	DLASS-022-0003-SO	410	410	UJ	H, L, C	N/A	Yes
DLASS-022-0001-SO	4-Chlorophenyl phenyl ether	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	H, C	DLASS-022-0003-SO	2000	2000	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	H, C	DLASS-022-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	H, C	DLASS-022-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Acenaphthene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Acenaphthylene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-022-0001-SO	Acetophenone	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Anthracene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Benzo(a)anthracene	100	410	ug/kg	J	H, C	DLASS-022-0003-SO	110	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Benzo(a)pyrene	85	410	ug/kg	J	H, C	DLASS-022-0003-SO	87	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Benzo(b)fluoranthene	160	410	ug/kg	J	H, C	DLASS-022-0003-SO	170	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Benzo(g,h,i)perylene	52	410	ug/kg	J	H, C	DLASS-022-0003-SO	56	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Benzo(k)fluoranthene	46	410	ug/kg	J	H, C	DLASS-022-0003-SO	73	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Benzoic acid	420	2000	ug/kg	J	H, L, C	DLASS-022-0003-SO	430	2000	J	H, L, C	N/A	Yes
DLASS-022-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	H, C	DLASS-022-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Bis(2-chloroethoxy)methane	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Bis(2-chloroethyl) ether	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Bis(2-chloroisopropyl) ether	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Bis(2-ethylhexyl) phthalate	110	1000	ug/kg	J	H, C	DLASS-022-0003-SO	130	1000	J	H, C	N/A	Yes
DLASS-022-0001-SO	Butylbenzyl phthalate	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Carbazole	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Chrysene	100	410	ug/kg	J	H, C	DLASS-022-0003-SO	120	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Dibenzo(a,h)anthracene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Dibenzofuran	34	410	ug/kg	J	H, C	DLASS-022-0003-SO	40	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Diethyl phthalate	67	410	ug/kg	J	H, C	DLASS-022-0003-SO	89	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Di-n-butyl phthalate	250	410	ug/kg	J	H, C	DLASS-022-0003-SO	320	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Fluoranthene	170	410	ug/kg	J	H, C	DLASS-022-0003-SO	200	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Fluorene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Hexachlorobutadiene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Hexachlorocyclopentadiene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Indeno(1,2,3-cd)pyrene	50	410	ug/kg	J	H, C	DLASS-022-0003-SO	50	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Isophorone	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Naphthalene	96	410	ug/kg	J	H, C	DLASS-022-0003-SO	110	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Nitrobenzene	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	R	D	N/A	Yes
DLASS-022-0001-SO	N-Nitroso-di-n-propylamine	410	410	ug/kg	UJ	H, C	DLASS-022-0003-SO	410	410	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	N-Nitrosodiphenylamine	810	810	ug/kg	UJ	H, C	DLASS-022-0003-SO	810	810	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	H, C	DLASS-022-0003-SO	1000	1000	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Phenanthrene	110	410	ug/kg	J	H, C	DLASS-022-0003-SO	140	410	J	H, C	N/A	Yes
DLASS-022-0001-SO	Phenol	510	510	ug/kg	UJ	H, C	DLASS-022-0003-SO	510	510	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Pyrene	140	410	ug/kg	J	H, C	DLASS-022-0003-SO	160	410	J	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-022-0001-SO	1,3,5-Trinitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2-Amino-4,6-dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	4-Amino-2,6-dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	HMX	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C	DLASS-022-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C	DLASS-022-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	RDX	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C	DLASS-022-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-022-0001-SO	Nitroguanidine	0.67	0.16	mg/kg	J-	H, *III, C	DLASS-022-0003-SO	0.63	0.16	J-	H, *III, C	N/A	Yes
DLASS-022-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C	DLASS-022-0003-SO	23	23	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Aroclor 1016	51	51	ug/kg	UJ	C	DLASS-032-0003-SO	51	51	UJ	C	N/A	Yes
DLASS-032-0001-SO	Aroclor 1221	51	51	ug/kg	UJ	C	DLASS-032-0003-SO	51	51	UJ	C	N/A	Yes
DLASS-032-0001-SO	Aroclor 1232	51	51	ug/kg	UJ	C	DLASS-032-0003-SO	51	51	UJ	C	N/A	Yes
DLASS-032-0001-SO	Aroclor 1242	51	51	ug/kg	UJ	C	DLASS-032-0003-SO	51	51	UJ	C	N/A	Yes
DLASS-032-0001-SO	Aroclor 1248	51	51	ug/kg	UJ	C	DLASS-032-0003-SO	51	51	UJ	C	N/A	Yes
DLASS-032-0001-SO	Aroclor 1254	51	51	ug/kg	UJ	C	DLASS-032-0003-SO	51	51	UJ	C	N/A	Yes
DLASS-032-0001-SO	Aroclor 1260	51	51	ug/kg	UJ	C	DLASS-032-0003-SO	51	51	UJ	C	N/A	Yes
DLASS-032-0001-SO	Aroclor 1262	51	51	ug/kg	UJ	C	DLASS-032-0003-SO	51	51	UJ	C	N/A	Yes
DLASS-032-0001-SO	Aroclor 1268	51	51	ug/kg	UJ	C	DLASS-032-0003-SO	51	51	UJ	C	N/A	Yes
DLASS-032-0001-SO	Aluminum	8040	0.24	mg/kg			DLASS-032-0003-SO	7340	0.24			9.1	N/A
DLASS-032-0001-SO	Antimony	1.4	1.4	mg/kg	UJ	B	DLASS-032-0003-SO	0.22	0.55	J	B	N/A	Yes
DLASS-032-0001-SO	Arsenic	12.9	0.92	mg/kg			DLASS-032-0003-SO	12.5	0.92			3.1	N/A
DLASS-032-0001-SO	Barium	317	0.055	mg/kg			DLASS-032-0003-SO	195	0.055			47.7	N/A
DLASS-032-0001-SO	Beryllium	0.89	0.024	mg/kg			DLASS-032-0003-SO	0.74	0.024			18.4	N/A
DLASS-032-0001-SO	Cadmium	1.6	0.043	mg/kg			DLASS-032-0003-SO	1.4	0.043			13.3	N/A
DLASS-032-0001-SO	Calcium	72600	2.5	mg/kg			DLASS-032-0003-SO	64900	2.5			11.2	N/A
DLASS-032-0001-SO	Chromium	103	0.32	mg/kg			DLASS-032-0003-SO	19.8	0.32			135.5	N/A
DLASS-032-0001-SO	Cobalt	10.2	0.25	mg/kg			DLASS-032-0003-SO	9.1	0.25			11.4	N/A
DLASS-032-0001-SO	Copper	16.2	1	mg/kg			DLASS-032-0003-SO	13.4	0.41			18.9	N/A
DLASS-032-0001-SO	Iron	28400	2	mg/kg			DLASS-032-0003-SO	25200	2			11.9	N/A

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-032-0001-SO	Lead	22.4	0.71	mg/kg			DLASS-032-0003-SO	30.3	0.29			30.0	N/A
DLASS-032-0001-SO	Magnesium	2580	0.81	mg/kg			DLASS-032-0003-SO	2310	0.82	J	*III	11.0	N/A
DLASS-032-0001-SO	Manganese	1350	0.25	mg/kg			DLASS-032-0003-SO	1070	0.1			23.1	N/A
DLASS-032-0001-SO	Nickel	23	0.31	mg/kg			DLASS-032-0003-SO	18.5	0.31			21.7	N/A
DLASS-032-0001-SO	Selenium	2.3	0.86	mg/kg			DLASS-032-0003-SO	2	0.86			N/A	Yes
DLASS-032-0001-SO	Silver	0.22	0.11	mg/kg			DLASS-032-0003-SO	0.2	0.11			N/A	Yes
DLASS-032-0001-SO	Thallium	1.1	0.71	mg/kg	J	B	DLASS-032-0003-SO	0.75	0.71			N/A	Yes
DLASS-032-0001-SO	Vanadium	17.5	0.069	mg/kg			DLASS-032-0003-SO	16.5	0.069			5.9	N/A
DLASS-032-0001-SO	Zinc	60.6	0.24	mg/kg			DLASS-032-0003-SO	53.5	0.24			12.4	N/A
DLASS-032-0001-SO	Potassium	975	37	mg/kg			DLASS-032-0003-SO	578	37			51.1	N/A
DLASS-032-0001-SO	Sodium	118	13	mg/kg			DLASS-032-0003-SO	77	13			42.1	N/A
DLASS-032-0001-SO	Hexavalent Chromium	6.5	6.5	mg/kg	R	Q	DLASS-032-0003-SO	6.5	6.5	R	Q	N/A	Yes
DLASS-032-0001-SO	Mercury	0.036	0.008	mg/kg			DLASS-032-0003-SO	0.045	0.008			N/A	No
DLASS-032-0001-SO	4,4'-DDD	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	4,4'-DDE	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	4,4'-DDT	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Aldrin	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	alpha-BHC	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	ALPHA-CHLORDANE	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	beta-BHC	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	delta-BHC	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Dieldrin	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Endosulfan I	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Endosulfan II	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Endosulfan sulfate	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.632	0.336	J-	H, C	N/A	Yes
DLASS-032-0001-SO	Endrin	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Endrin aldehyde	0.386	0.386	ug/kg	R	Q	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Endrin ketone	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	GAMMA-BHC	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	GAMMA-CHLORDANE	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.509	0.336	NJ	H, C, *III, result changed from 0.336	N/A	Yes
DLASS-032-0001-SO	Heptachlor	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Heptachlor epoxide	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Methoxychlor	0.386	0.386	ug/kg	UJ	H, C	DLASS-032-0003-SO	0.336	0.336	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Toxaphene	19.5	19.5	ug/kg	UJ	H, C	DLASS-032-0003-SO	17	17	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-032-0001-SO	1,2,4-Trichlorobenzene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	1,2-Dichlorobenzene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	1,3-Dichlorobenzene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	1,4-Dichlorobenzene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	2,4,5-Trichlorophenol	510	510	ug/kg	UJ	C	DLASS-032-0003-SO	510	510	UJ	C	N/A	Yes
DLASS-032-0001-SO	2,4,6-Trichlorophenol	510	510	ug/kg	UJ	C	DLASS-032-0003-SO	510	510	UJ	C	N/A	Yes
DLASS-032-0001-SO	2,4-Dichlorophenol	510	510	ug/kg	UJ	C	DLASS-032-0003-SO	510	510	UJ	C	N/A	Yes
DLASS-032-0001-SO	2,4-Dimethylphenol	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	UJ	C	DLASS-032-0003-SO	2000	2000	UJ	C	N/A	Yes
DLASS-032-0001-SO	2,4-Dinitrotoluene	410	410	ug/kg	R	D	DLASS-032-0003-SO	410	410	R	D	N/A	Yes
DLASS-032-0001-SO	2,6-Dinitrotoluene	410	410	ug/kg	R	D	DLASS-032-0003-SO	410	410	R	D	N/A	Yes
DLASS-032-0001-SO	2-Chloronaphthalene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	2-Chlorophenol	510	510	ug/kg	UJ	C	DLASS-032-0003-SO	510	510	UJ	C	N/A	Yes
DLASS-032-0001-SO	2-Methyl-4,6-dinitrophenol	1000	1000	ug/kg	UJ	C	DLASS-032-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-032-0001-SO	2-Methylnaphthalene	510	410	ug/kg	J	C	DLASS-032-0003-SO	410	410	J	C	N/A	Yes
DLASS-032-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C	DLASS-032-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-032-0001-SO	2-Nitroaniline	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	2-Nitrophenol	510	510	ug/kg	UJ	C	DLASS-032-0003-SO	510	510	UJ	C	N/A	Yes
DLASS-032-0001-SO	3,3'-Dichlorobenzidine	510	510	ug/kg	UJ	C	DLASS-032-0003-SO	510	510	UJ	C	N/A	Yes
DLASS-032-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C	DLASS-032-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-032-0001-SO	4-Bromophenyl phenyl ether	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	4-Chloro-3-methylphenol	510	510	ug/kg	UJ	C	DLASS-032-0003-SO	510	510	UJ	C	N/A	Yes
DLASS-032-0001-SO	4-Chloroaniline	410	410	ug/kg	R	L	DLASS-032-0003-SO	410	410	R	L	N/A	Yes
DLASS-032-0001-SO	4-Chlorophenyl phenyl ether	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C	DLASS-032-0003-SO	2000	2000	UJ	C	N/A	Yes
DLASS-032-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C	DLASS-032-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-032-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C	DLASS-032-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-032-0001-SO	Acenaphthene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Acenaphthylene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	52	410	J	C	N/A	Yes
DLASS-032-0001-SO	Acetophenone	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Anthracene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	90	410	J	C	N/A	Yes
DLASS-032-0001-SO	Benzo(a)anthracene	78	410	ug/kg	J	C	DLASS-032-0003-SO	360	410	J	C	N/A	Yes
DLASS-032-0001-SO	Benzo(a)pyrene	74	410	ug/kg	J	C	DLASS-032-0003-SO	270	410	J	C	N/A	Yes
DLASS-032-0001-SO	Benzo(b)fluoranthene	140	410	ug/kg	J	C	DLASS-032-0003-SO	390	410	J	C	N/A	Yes
DLASS-032-0001-SO	Benzo(g,h,i)perylene	81	410	ug/kg	J	C	DLASS-032-0003-SO	160	410	J	C	N/A	Yes
DLASS-032-0001-SO	Benzo(k)fluoranthene	38	410	ug/kg	J	C	DLASS-032-0003-SO	170	410	J	C	N/A	Yes
DLASS-032-0001-SO	Benzoic acid	2000	2000	ug/kg	UJ	L, C	DLASS-032-0003-SO	2000	2000	UJ	L, C	N/A	Yes
DLASS-032-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C	DLASS-032-0003-SO	1000	1000	UJ	C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-032-0001-SO	Bis(2-chloroethoxy)methane	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Bis(2-chloroethyl) ether	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Bis(2-chloroisopropyl) ether	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Bis(2-ethylhexyl) phthalate	680	1000	ug/kg	J	C	DLASS-032-0003-SO	790	1000	J	C	N/A	Yes
DLASS-032-0001-SO	Butylbenzyl phthalate	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Carbazole	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Chrysene	110	410	ug/kg	J	C	DLASS-032-0003-SO	350	410	J	C	N/A	Yes
DLASS-032-0001-SO	Dibenzo(a,h)anthracene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	44	410	J	C	N/A	Yes
DLASS-032-0001-SO	Dibenzofuran	89	410	ug/kg	J	C	DLASS-032-0003-SO	73	410	J	C	N/A	Yes
DLASS-032-0001-SO	Diethyl phthalate	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Dimethyl phthalate	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Di-n-butyl phthalate	150	410	ug/kg	J	C	DLASS-032-0003-SO	130	410	J	C	N/A	Yes
DLASS-032-0001-SO	Di-n-octyl phthalate	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Fluoranthene	160	410	ug/kg	J	C	DLASS-032-0003-SO	730	410	J	C	N/A	No
DLASS-032-0001-SO	Fluorene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	25	410	J	C	N/A	Yes
DLASS-032-0001-SO	Hexachlorobenzene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Hexachlorobutadiene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Hexachlorocyclopentadiene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Hexachloroethane	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Indeno(1,2,3-cd)pyrene	43	410	ug/kg	J	C	DLASS-032-0003-SO	150	410	J	C	N/A	Yes
DLASS-032-0001-SO	Isophorone	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	Naphthalene	270	410	ug/kg	J	C	DLASS-032-0003-SO	220	410	J	C	N/A	Yes
DLASS-032-0001-SO	Nitrobenzene	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	R	D	N/A	Yes
DLASS-032-0001-SO	N-Nitroso-di-n-propylamine	410	410	ug/kg	UJ	C	DLASS-032-0003-SO	410	410	UJ	C	N/A	Yes
DLASS-032-0001-SO	N-Nitrosodiphenylamine	820	820	ug/kg	UJ	C	DLASS-032-0003-SO	810	810	UJ	C	N/A	Yes
DLASS-032-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	L, C	DLASS-032-0003-SO	1000	1000	UJ	L, C	N/A	Yes
DLASS-032-0001-SO	Phenanthrene	330	410	ug/kg	J	C	DLASS-032-0003-SO	420	410	J	C	N/A	Yes
DLASS-032-0001-SO	Phenol	510	510	ug/kg	UJ	C	DLASS-032-0003-SO	510	510	UJ	C	N/A	Yes
DLASS-032-0001-SO	Pyrene	170	410	ug/kg	J	C	DLASS-032-0003-SO	590	410	J	C	N/A	No
DLASS-032-0001-SO	1,3,5-Trinitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	2-Amino-4,6-dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	4-Amino-2,6-dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-032-0001-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	HMX	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C	DLASS-032-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C	DLASS-032-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	RDX	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C	DLASS-032-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-032-0001-SO	Nitroguanidine	0.89	0.16	mg/kg	J-	H, *III, C	DLASS-032-0003-SO	0.1	0.16	J-	H, *III, C	N/A	No
DLASS-032-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C	DLASS-032-0003-SO	23	23	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Aroclor 1016	50	50	ug/kg	UJ	C	DLASS-042-0003-SO	50	50	UJ	C	N/A	Yes
DLASS-042-0001-SO	Aroclor 1221	50	50	ug/kg	UJ	C	DLASS-042-0003-SO	50	50	UJ	C	N/A	Yes
DLASS-042-0001-SO	Aroclor 1232	50	50	ug/kg	UJ	C	DLASS-042-0003-SO	50	50	UJ	C	N/A	Yes
DLASS-042-0001-SO	Aroclor 1242	50	50	ug/kg	UJ	C	DLASS-042-0003-SO	50	50	UJ	C	N/A	Yes
DLASS-042-0001-SO	Aroclor 1248	50	50	ug/kg	UJ	C	DLASS-042-0003-SO	50	50	UJ	C	N/A	Yes
DLASS-042-0001-SO	Aroclor 1254	50	50	ug/kg	UJ	C	DLASS-042-0003-SO	50	50	UJ	C	N/A	Yes
DLASS-042-0001-SO	Aroclor 1260	50	50	ug/kg	UJ	C	DLASS-042-0003-SO	50	50	UJ	C	N/A	Yes
DLASS-042-0001-SO	Aroclor 1262	50	50	ug/kg	UJ	C	DLASS-042-0003-SO	50	50	UJ	C	N/A	Yes
DLASS-042-0001-SO	Aroclor 1268	50	50	ug/kg	UJ	C	DLASS-042-0003-SO	50	50	UJ	C	N/A	Yes
DLASS-042-0001-SO	Aluminum	2940	0.24	mg/kg			DLASS-042-0003-SO	3490	0.24			17.1	N/A
DLASS-042-0001-SO	Antimony	0.55	0.55	mg/kg	UJ	B, $, MDL changed from 0.16	DLASS-042-0003-SO	36.9	0.54			N/A	No
DLASS-042-0001-SO	Arsenic	6.8	0.91	mg/kg			DLASS-042-0003-SO	6.8	0.91			0.0	N/A
DLASS-042-0001-SO	Barium	65.2	0.055	mg/kg			DLASS-042-0003-SO	62.1	0.054			4.9	N/A
DLASS-042-0001-SO	Beryllium	0.42	0.024	mg/kg			DLASS-042-0003-SO	0.49	0.024			15.4	N/A
DLASS-042-0001-SO	Cadmium	0.74	0.042	mg/kg			DLASS-042-0003-SO	0.71	0.042			4.1	N/A
DLASS-042-0001-SO	Calcium	47200	1	mg/kg			DLASS-042-0003-SO	42000	1			11.7	N/A
DLASS-042-0001-SO	Chromium	10.4	0.32	mg/kg			DLASS-042-0003-SO	11.7	0.32			11.8	N/A
DLASS-042-0001-SO	Cobalt	25.8	0.25	mg/kg			DLASS-042-0003-SO	24.6	0.25			4.8	N/A
DLASS-042-0001-SO	Copper	119	1	mg/kg			DLASS-042-0003-SO	99.9	0.4			17.5	N/A
DLASS-042-0001-SO	Iron	11100	2	mg/kg			DLASS-042-0003-SO	11600	2			4.4	N/A
DLASS-042-0001-SO	Lead	21.6	0.71	mg/kg			DLASS-042-0003-SO	30	0.28			32.6	N/A
DLASS-042-0001-SO	Magnesium	1750	0.81	mg/kg			DLASS-042-0003-SO	2120	0.81	J	*III	19.1	N/A
DLASS-042-0001-SO	Manganese	595	0.25	mg/kg			DLASS-042-0003-SO	468	0.1			23.9	N/A
DLASS-042-0001-SO	Nickel	20.6	0.31	mg/kg			DLASS-042-0003-SO	19.9	0.31			3.5	N/A
DLASS-042-0001-SO	Selenium	1.2	0.85	mg/kg	J	B	DLASS-042-0003-SO	0.85	0.85	U		N/A	Yes
DLASS-042-0001-SO	Silver	0.057	0.11	mg/kg	J		DLASS-042-0003-SO	0.08	0.11	J		N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-042-0001-SO	Thallium	0.28	0.28	mg/kg	U	$, MDL changed from 0.081	DLASS-042-0003-SO	0.71	0.71	U		N/A	Yes
DLASS-042-0001-SO	Vanadium	4.4	0.069	mg/kg			DLASS-042-0003-SO	4.6	0.069			4.4	N/A
DLASS-042-0001-SO	Zinc	308	0.24	mg/kg			DLASS-042-0003-SO	636	0.24			69.5	N/A
DLASS-042-0001-SO	Potassium	417	36	mg/kg			DLASS-042-0003-SO	467	36			11.3	N/A
DLASS-042-0001-SO	Sodium	70.7	13	mg/kg			DLASS-042-0003-SO	86.3	13			19.9	N/A
DLASS-042-0001-SO	Hexavalent Chromium	6.5	6.5	mg/kg	R	Q	DLASS-042-0003-SO	6.5	6.5	R	Q	N/A	Yes
DLASS-042-0001-SO	Mercury	0.025	0.008	mg/kg			DLASS-042-0003-SO	0.008	0.008	J		N/A	No
DLASS-042-0001-SO	4,4'-DDD	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	4,4'-DDE	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	4,4'-DDT	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Aldrin	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	alpha-BHC	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	ALPHA-CHLORDANE	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	beta-BHC	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	delta-BHC	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Dieldrin	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Endosulfan I	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Endosulfan II	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Endosulfan sulfate	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Endrin	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Endrin aldehyde	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Endrin ketone	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	GAMMA-BHC	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	GAMMA-CHLORDANE	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Heptachlor	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Heptachlor epoxide	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Methoxychlor	0.336	0.336	ug/kg	UJ	H, C	DLASS-042-0003-SO	0.325	0.325	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Toxaphene	17	17	ug/kg	UJ	H, C	DLASS-042-0003-SO	16.4	16.4	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	1,2,4-Trichlorobenzene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	1,2-Dichlorobenzene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	1,3-Dichlorobenzene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	1,4-Dichlorobenzene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	2,4,5-Trichlorophenol	500	500	ug/kg	UJ	C	DLASS-042-0003-SO	500	500	UJ	C	N/A	Yes
DLASS-042-0001-SO	2,4,6-Trichlorophenol	500	500	ug/kg	UJ	C	DLASS-042-0003-SO	500	500	UJ	C	N/A	Yes
DLASS-042-0001-SO	2,4-Dichlorophenol	500	500	ug/kg	UJ	C	DLASS-042-0003-SO	500	500	UJ	C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-042-0001-SO	2,4-Dimethylphenol	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	2,4-Dinitrophenol	2000	2000	ug/kg	UJ	C	DLASS-042-0003-SO	2000	2000	UJ	C	N/A	Yes
DLASS-042-0001-SO	2,4-Dinitrotoluene	400	400	ug/kg	R	D	DLASS-042-0003-SO	400	400	R	D	N/A	Yes
DLASS-042-0001-SO	2,6-Dinitrotoluene	400	400	ug/kg	R	D	DLASS-042-0003-SO	400	400	R	D	N/A	Yes
DLASS-042-0001-SO	2-Chloronaphthalene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	2-Chlorophenol	500	500	ug/kg	UJ	C	DLASS-042-0003-SO	500	500	UJ	C	N/A	Yes
DLASS-042-0001-SO	2-Methyl-4,6-dinitrophenol	1000	1000	ug/kg	UJ	C	DLASS-042-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-042-0001-SO	2-Methylnaphthalene	55	400	ug/kg	J	C	DLASS-042-0003-SO	47	400	J	C	N/A	Yes
DLASS-042-0001-SO	2-Methylphenol	1000	1000	ug/kg	UJ	C	DLASS-042-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-042-0001-SO	2-Nitroaniline	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	2-Nitrophenol	500	500	ug/kg	UJ	C	DLASS-042-0003-SO	500	500	UJ	C	N/A	Yes
DLASS-042-0001-SO	3,3'-Dichlorobenzidine	500	500	ug/kg	UJ	C	DLASS-042-0003-SO	500	500	UJ	C	N/A	Yes
DLASS-042-0001-SO	3-Nitroaniline	1000	1000	ug/kg	UJ	C	DLASS-042-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-042-0001-SO	4-Bromophenyl phenyl ether	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	4-Chloro-3-methylphenol	500	500	ug/kg	UJ	C	DLASS-042-0003-SO	500	500	UJ	C	N/A	Yes
DLASS-042-0001-SO	4-Chloroaniline	400	400	ug/kg	R	L	DLASS-042-0003-SO	400	400	R	L	N/A	Yes
DLASS-042-0001-SO	4-Chlorophenyl phenyl ether	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	4-Methylphenol	2000	2000	ug/kg	UJ	C	DLASS-042-0003-SO	2000	2000	UJ	C	N/A	Yes
DLASS-042-0001-SO	4-Nitroaniline	1000	1000	ug/kg	UJ	C	DLASS-042-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-042-0001-SO	4-Nitrophenol	1000	1000	ug/kg	UJ	C	DLASS-042-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-042-0001-SO	Acenaphthene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Acenaphthylene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Acetophenone	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Anthracene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Benzo(a)anthracene	49	400	ug/kg	J	C	DLASS-042-0003-SO	33	400	J	C	N/A	Yes
DLASS-042-0001-SO	Benzo(a)pyrene	42	400	ug/kg	J	C	DLASS-042-0003-SO	31	400	J	C	N/A	Yes
DLASS-042-0001-SO	Benzo(b)fluoranthene	76	400	ug/kg	J	C	DLASS-042-0003-SO	55	400	J	C	N/A	Yes
DLASS-042-0001-SO	Benzo(g,h,i)perylene	33	400	ug/kg	J	C	DLASS-042-0003-SO	24	400	J	C	N/A	Yes
DLASS-042-0001-SO	Benzo(k)fluoranthene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Benzoic acid	320	2000	ug/kg	J	L, C	DLASS-042-0003-SO	340	2000	J	L, C	N/A	Yes
DLASS-042-0001-SO	Benzyl alcohol	1000	1000	ug/kg	UJ	C	DLASS-042-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-042-0001-SO	Bis(2-chloroethoxy)methane	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Bis(2-chloroethyl) ether	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Bis(2-chloroisopropyl) ether	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Bis(2-ethylhexyl) phthalate	250	1000	ug/kg	J	C	DLASS-042-0003-SO	1000	1000	UJ	C	N/A	Yes
DLASS-042-0001-SO	Butylbenzyl phthalate	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Carbazole	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Chrysene	56	400	ug/kg	J	C	DLASS-042-0003-SO	38	400	J	C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-042-0001-SO	Dibenzo(a,h)anthracene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Dibenzofuran	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Diethyl phthalate	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Dimethyl phthalate	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Di-n-butyl phthalate	140	400	ug/kg	J	C	DLASS-042-0003-SO	220	400	J	C	N/A	Yes
DLASS-042-0001-SO	Di-n-octyl phthalate	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Fluoranthene	99	400	ug/kg	J	C	DLASS-042-0003-SO	60	400	J	C	N/A	Yes
DLASS-042-0001-SO	Fluorene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Hexachlorobenzene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Hexachlorobutadiene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Hexachlorocyclopentadiene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Hexachloroethane	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Indeno(1,2,3-cd)pyrene	30	400	ug/kg	J	C	DLASS-042-0003-SO	24	400	J	C	N/A	Yes
DLASS-042-0001-SO	Isophorone	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	Naphthalene	40	400	ug/kg	J	C	DLASS-042-0003-SO	34	400	J	C	N/A	Yes
DLASS-042-0001-SO	Nitrobenzene	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	R	D	N/A	Yes
DLASS-042-0001-SO	N-Nitroso-di-n-propylamine	400	400	ug/kg	UJ	C	DLASS-042-0003-SO	400	400	UJ	C	N/A	Yes
DLASS-042-0001-SO	N-Nitrosodiphenylamine	800	800	ug/kg	UJ	C	DLASS-042-0003-SO	800	800	UJ	C	N/A	Yes
DLASS-042-0001-SO	Pentachlorophenol	1000	1000	ug/kg	UJ	L, C	DLASS-042-0003-SO	1000	1000	UJ	L, C	N/A	Yes
DLASS-042-0001-SO	Phenanthrene	58	400	ug/kg	J	C	DLASS-042-0003-SO	44	400	J	C	N/A	Yes
DLASS-042-0001-SO	Phenol	500	500	ug/kg	UJ	C	DLASS-042-0003-SO	500	500	UJ	C	N/A	Yes
DLASS-042-0001-SO	Pyrene	80	400	ug/kg	J	C	DLASS-042-0003-SO	51	400	J	C	N/A	Yes
DLASS-042-0001-SO	1,3,5-Trinitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	1,3-Dinitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	2,4,6-Trinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	2,4-Dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	2,6-Dinitrotoluene	0.5	0.5	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	2-Amino-4,6-dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	2-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	3-Nitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	4-Amino-2,6-dinitrotoluene	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	4-Nitrotoluene	0.5	0.5	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.5	0.5	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	HMX	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Nitrobenzene	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Nitroglycerin	1.5	1.5	mg/kg	UJ	H, C	DLASS-042-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	PETN	1.5	1.5	mg/kg	UJ	H, C	DLASS-042-0003-SO	1.5	1.5	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	RDX	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes
DLASS-042-0001-SO	Tetryl	0.44	0.44	mg/kg	UJ	H, C	DLASS-042-0003-SO	0.44	0.44	UJ	H, C	N/A	Yes

Sample	Analyte	Result	RL	Units	Qual	Code	Field Duplicate	Result	RL	Qual	Code	RPD	w/in RL
DLASS-042-0001-SO	Nitroguanidine	0.064	0.16	mg/kg	J-	H, *III, C	DLASS-042-0003-SO	0.085	0.16	J-	H, *III, C	N/A	Yes
DLASS-042-0001-SO	Nitrocellulose	23	23	mg/kg	UJ	H, C	DLASS-042-0003-SO	23	23	UJ	H, C	N/A	Yes

APPENDIX D

Validator Checklists

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST Level IV 870189, 194, 201

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): —

Sample Delivery Group: 82399

	Yes	No	
1. Holding Time: Were samples analyzed within holding time?	[ ]	N	All prepped out of hold. 8330B & NG
2. Initial Calibration:			
• Did the initial calibration consist of five standards?	N	[ ]	
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	N	[ ]	
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	N	N	
• Was the manual integration necessary? N/A	N	[ ]	to split 246TNT from 4-AM on 1° ↑ point
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**			
3. QCMDL:			
• Was MDL Check performed?	[ ]	N	
4. QCMRL:			
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	N	
• Was the percentage "D" for QC/MRL ≤ 30%? N/A	[ ]	[ ]	
5. Initial Calibration Verification (ICV):	N	[ ]	

	Yes	No	
• Was the ICV made of a 2nd source?	N	[ ]	
• Was the mid level (2nd source) recovery within 85 - 115%?			
6. Continuing Calibration Verification (CCV): {Daily calibration}			
• Was midpoint calibration standard conducted at the beginning of the day?	N	[ ]	
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	N	[ ]	
• Was midpoint calibration standard conducted after the last sample of the day?	N	[ ]	
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[ ]	N	
7. Sample Analysis:			
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	[ ]	[ ]	N/A for 8330B
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed?	[ ]	[ ]	
• Were all identified hits confirmed on a second column?	N	[ ]	
• Was RPD of target analyte confirmation ≤ 40?	[ ]	N	all NG 7407.
• Was there a shoulder on the 2,4,6-TNT peak?	[ ]	[ ]	
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with "**J**" accordingly.	[ ]	[ ]	
8. Sample Quality Control:	N	[ ]	
• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]	
• LCS: Were the percent recoveries for LCS within the limits?			

	Yes	No
• MS/MSD: Were the percent recoveries within limits? DLASS-002-0001-SO DLASS-014-0001-SO Were the RPDs within control limits?	[N]	[ ]
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	[N]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/19/11

Name: Patti Meeks

CCV
4AM 12/14 @ 13:49 17.2% ↓ does not bracket DLASS-002-0003 or -022-0003
Nitroguanidine 12/16 12:23 - not integrated like others (less area, w/o co-elut)
results reported from conf.

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST

No level IV

Project Name: Ravenna Ora Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82458

	Yes	No	
1. Holding Time: Were samples analyzed within holding time?	[ ]	N	all ext out of hold
2. Initial Calibration:			
• Did the initial calibration consist of five standards?	N	[ ]	
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	N	[ ]	
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	N	[ ]	to split TNT from 246 on 1° ↑ pt
• Was the manual integration necessary?	N	[ ]	
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**			
3. QCMDL:			
• Was MDL Check performed?	[ ]	N	
4. QCMRL:			
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	N	
• Was the percentage "D" for QC/MRL ≤ 30%? N/A	[ ]	[ ]	
5. Initial Calibration Verification (ICV):	N	[ ]	

	Yes	No	
• Was the ICV made of a 2nd source?	N	[ ]	
• Was the mid level (2nd source) recovery within 85 - 115%?			
6. Continuing Calibration Verification (CCV): {Daily calibration}			
• Was midpoint calibration standard conducted at the beginning of the day?	N	[ ]	
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	N	[ ]	
• Was midpoint calibration standard conducted after the last sample of the day?	N	[ ]	
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[ ]	N	
7. Sample Analysis:			
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	N/A @ 111	[ ]	
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed?	N/A	[ ]	
• Were all identified hits confirmed on a second column?	N	[ ]	
• Was RPD of target analyte confirmation ≤ 40?	[ ]	N	all NG 740%
• Was there a shoulder on the 2,4,6-TNT peak?	[ ]	[ ]	
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with **"J"** accordingly.	[ ]	[ ]	
8. Sample Quality Control:	N	[ ]	
• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]	
• LCS: Were the percent recoveries for LCS within the limits?			

	Yes	No
• MS/MSD: Were the percent recoveries within limits? None in this SDG	[ ]	[ ]
Were the RPDs within control limits?		
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	[N]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patti Meeks MS Date: 7/20/11

Name: Patti Meeks

CCV 12/14 13:49 H-AM 17.2% ↓
brackets all

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 83966

	Yes	No	
1. Holding Time: Were samples analyzed within holding time?	[ ]	[ ]	
2. Initial Calibration:			
• Did the initial calibration consist of five standards?	[ ]	[ ]	
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	[ ]	[ ]	
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[N]	[ ]	2nd pt
• Was the manual integration necessary?	[N]	[ ]	
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**			
3. QCMDL:			
• Was MDL Check performed?	[ ]	[N]	
4. QCMRL:			
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[N]	
• Was the percentage "D" for QC/MRL ≤ 30%?	N/A [ ]	[ ]	
5. Initial Calibration Verification (ICV):	[N]	[ ]	

	Yes	No
• Was the ICV made of a 2nd source?	[X]	[ ]
• Was the mid level (2nd source) recovery within 85 - 115%?		
6. Continuing Calibration Verification (CCV): {Daily calibration}		
• Was midpoint calibration standard conducted at the beginning of the day?	[X]	[ ]
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	[X]	[ ]
• Was midpoint calibration standard conducted after the last sample of the day?	[X]	[ ]
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[ ]	[X]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires? N/A	[ ]	[ ]
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed? N/A	[ ]	[ ]
• Were all identified hits confirmed on a second column? N/A	[ ]	[ ]
• Was RPD of target analyte confirmation ≤ 40? N/A	[ ]	[ ]
• Was there a shoulder on the 2,4,6-TNT peak? N/A	[ ]	[ ]
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with **"J"** accordingly.	[ ]	[ ]
8. Sample Quality Control:	[X]	[ ]
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[X]
• LCS: Were the percent recoveries for LCS within the limits? Tetryl 23% - R		

	Yes	No
• MS/MSD: Were the percent recoveries within limits? DL255-001M-0001-SO	[N]	[ ]
Were the RPDs within control limits?		
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	[N]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/20/11

Name: Patti Meeks

CCV 3/25 @16:50, brackets both but R/L
tetryl - 15.1
4-AM - 15.2
~~24DNT~~ ↑

ORGANOCHLORINE PESTICIDES ANALYSIS CHECKLIST

Project Name: Ravenna Ord Piles. Level IV: DLASS-014-0001

Laboratory: CT subbed to Microbac

Batch Number(s): _____

Sample Delivery Group: 82399

	Yes	No	
1. Holding Time:			
(a) Were samples extracted within holding time?	[ ]	N	all ext out
(b) Were samples analyzed within holding time?	N	[ ]	of hold
2. DDT/Endrin Breakdown:			
• Was breakdown ≤ 15%?	N	[ ]	
3. Initial Calibration:			
• Did the initial calibration consist of five standards?	N	[ ]	
• Did all compounds meet the RSD ≤ 20% or r ≥ 0.99?	N	[ ]	
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[ ]	N	
• Was the manual integration necessary? N/A	[ ]	[ ]	
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**			
4. QCMDL:			
• Was MDL Check performed?	[ ]	N	
5. QCMRL:			
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	N	
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]	

	Yes	No
6. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 85 - 115%?	N	[ ]
7. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	N	[ ]
• Was Drift or D ≤ 15% from the initial calibration with a maximum D ≤ 20% for a specific compound?	[ ]	N
8. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	N	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	N/A [ ]	[ ]
• Were identified compounds confirmed on a second GC column?	N	[ ]
• Was RPD of target analyte confirmation ≤ 40?	[ ]	[ ]
9. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]
• LCS: Were the percent recoveries for LCS within the limits? + LCSD	N	[ ]
• MS/MSD: Were the percent recoveries within limits? None performed this SDG	[ ]	[ ]
Were the RPD within control limits?	N	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	N	[ ]

10. Comments (attach additional sheets if necessary):

Microbac - false neg due to small window
report results noted w/ "f" on quant

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/21/11

Name: Patti Meeks

CCV 12/9 06:43
Dieldrin 15.6% but ↑
δ-BHC @ 13:48 15.4 % but ↑

No IV

ORGANOCHLORINE PESTICIDES ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT subbed to Microbac

Batch Number(s): _____

Sample Delivery Group: 82458

	Yes	No	
1. Holding Time:			
(a) Were samples extracted within holding time?	[ ]	~~N~~	all prepped out of hold
(b) Were samples analyzed within holding time?	~~N~~	[ ]	
2. DDT/Endrin Breakdown:			
• Was breakdown ≤ 15%?	~~N~~	[ ]	
3. Initial Calibration:			
• Did the initial calibration consist of five standards?	~~N~~	[ ]	
• Did all compounds meet the RSD ≤ 20% or r ≥ 0.99?	~~N~~	[ ]	
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[ ]	~~N~~	
• Was the manual integration necessary? N/A	[ ]	[ ]	
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**			
4. QCMDL:			
• Was MDL Check performed?	[ ]	~~N~~	
5. QCMRL:			
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	~~N~~	
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]	

	Yes	No	
6. Initial Calibration Verification (ICV):			
• Is the mid level (2nd source) recovery within 85 - 115%?	N	[ ]	
7. Continuing Calibration Verification (CCV):			
• Was CCV conducted every 12 hours?	N	[ ]	
• Was Drift or D ≤ 15% from the initial calibration with a maximum D ≤ 20% for a specific compound?	[ ]	N	methoxy clor, endrin ketone ↑ in one
8. Sample Analysis:			
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	N	[ ]	
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]	
• Were identified compounds confirmed on a second GC column?	N	[ ]	
• Was RPD of target analyte confirmation ≤ 40?	[ ]	N	
9. Sample Quality Control:			
• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]	
• LCS: Were the percent recoveries for LCS within the limits? + LCS/D	N	[ ]	
• MS/MSD: Were the percent recoveries within limits? DLASS-032-0081-SO	[ ]	N	
Were the RPD within control limits?	[ ]	N	
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	N	[ ]	

10. Comments (attach additional sheets if necessary):

MS/D endrin aldehyde → 30.7 / 24.7 %
heptachlor 632 / — + 159% RPD ← but ND
β-BHC 141 / —
γ-BHC 219 / 174 but ND

False neg
-01 δ-chlor + endo solf
122% (6.258) ~~56.5%~~ (1.864)
~~2.13~~ ug/kg 0.633 ~~ug/kg~~
0.509

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/21/11

Name: Patti Meeks

ORGANOCHLORINE PESTICIDES ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles No IV

Laboratory: CT subbed to Microbac

Batch Number(s): _____

Sample Delivery Group: 82743

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[N]	[ ]
(b) Were samples analyzed within holding time?	[N]	[ ]
2. DDT/Endrin Breakdown:		
• Was breakdown ≤ 15%?	[N]	[ ]
3. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did all compounds meet the RSD ≤ 20% or r ≥ 0.99?	[N]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[ ]	[N]
• Was the manual integration necessary? N/A If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**	[ ]	[ ]
4. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
5. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	[N]
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]

	Yes	No
6. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 85 - 115%?	N	[ ]
7. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	N	[ ]
• Was Drift or D ≤ 15% from the initial calibration with a maximum D ≤ 20% for a specific compound?	[ ]	N some ↑ but ND
8. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	N	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
• Were identified compounds confirmed on a second GC column?	N	[ ]
• Was RPD of target analyte confirmation ≤ 40?	[ ]	[ ]
9. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]
• LCS: Were the percent recoveries for LCS within the limits? +LCSD	N	[ ]
• MS/MSD: Were the percent recoveries within limits? N/A	[ ]	[ ]
None this SDG Were the RPD within control limits?	N	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[ ]	N

10. Comments (attach additional sheets if necessary):

All DCB (1° + 2°) ↑

CCV 12/14 ~~12:04 endo sulf 22.0% D~~
18:40 " " 23.5% D ~~Conf~~

False –
-01 heptachlor ~~10.972~~ 6.532 50.7%
endrin ~~10.382~~ 8.168
13.586
-02 heptaclor ~~31.629~~ 80.3%
dieldrin 5.502 95.3%
~~endrin ketone 89.42 30.404 97.4%~~ out

Validated/Reviewed by:

Signature: Patti MA Date: 7/21/11

Name: Patti Meek

ORGANOCHLORINE PESTICIDES ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles 0001 = Level IV

Laboratory: CT subbed to Microbac

Batch Number(s): _____

Sample Delivery Group: 83966

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[N]	[ ]
(b) Were samples analyzed within holding time?	[ ]	[ ]
2. DDT/Endrin Breakdown:		
• Was breakdown ≤ 15%?	[N]	[ ]
3. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did all compounds meet the RSD ≤ 20% or r ≥ 0.99?	[N]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[ ]	[N]
• Was the manual integration necessary? N/A	[ ]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
4. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
5. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	[N]
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]

	Yes	No	
6. Initial Calibration Verification (ICV):			
• Is the mid level (2nd source) recovery within 85 - 115%?	N	[ ]	
7. Continuing Calibration Verification (CCV):			
• Was CCV conducted every 12 hours?	N	[ ]	
• Was Drift or D ≤ 15% from the initial calibration with a maximum D ≤ 20% for a specific compound?	[ ]	N	Some ↑ but ND
8. Sample Analysis:			
• Was the RRT of an identified component within the retention time window created as SW-846 requires? N/A	[ ]	[ ]	
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]	
• Were identified compounds confirmed on a second GC column? N/A	[ ]	[ ]	
• Was RPD of target analyte confirmation ≤ 40? N/A	[ ]	[ ]	
9. Sample Quality Control:			
• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]	
• LCS: Were the percent recoveries for LCS within the limits?	N	[ ]	
• MS/MSD: Were the percent recoveries within limits? N/A	[ ]	[ ]	
Were the RPD within control limits? None N/A	[ ]	[ ]	
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	N	[ ]	

10. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/21/11

Name: Patti Meeks

POLY CHLORINATED BIPHENYLS (PCB/AROCLORS) CHECKLIST

Project Name: Ravenna Ord Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82399

	Yes	No	
1. Holding Time:			
(a) Were samples extracted within holding time?	[ ]	[N]	all ext past hold except 14-0001 +3
(b) Were samples analyzed within holding time?	[N]	[ ]	
2. Initial Calibration:			
• Did the initial calibration consist of five standards?	[N]	[ ]	
• Did Aroclors 1016 and 1260 meet the RSD ≤ 20% or the r ≥ 0.99?	[N]	[ ]	
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[ ]	[N]	
• Was the manual integration necessary?	[ ]	[ ]	
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**			
3. QCMDL:			
• Was MDL Check performed?	[ ]	[N]	
4. QCMRL:			
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	[N]	
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]	
5. Initial Calibration Verification (ICV):			
Is the mid level (2nd source) recovery within 85 - 115%?	[N]	[ ]	

	Yes	No
6. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[N]	[ ]
• Was Drift or D ≤ 15% from the initial calibration with a maximum %D < 20% for a specific compound?	[ ]	[N] 1862 16/16% but high & ND
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	N/A [ ]	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[ ]	[ ]
• Were identified Aroclors confirmed on a second GC column?	[N]	[ ]
• Were individual Aroclor standards used to determine the pattern of the peaks? (Individual Aroclors are 1221, 1232, 1242, 1248, and 1254. Both Aroclor 1016, and 1260 can be used from the mixed calibration standards.)	[N]	[ ]
• Was RPD of target analyte conformation ≤ 40?	N/A [ ]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[N]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[N]	[ ]
• MS/MSD: Were the percent recoveries within limits? DLASS-002-0001-SO & 14-0001	[N]	[ ]
Were the RPDs within control limits?	[N]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[N]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patt Meeks Date: 7/22/11

Name: Patt. Meeks

POLY CHLORINATED BIPHENYLS (PCB/AROCLORS) CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82458

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[N]	[ ]
(b) Were samples analyzed within holding time?	[ ]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did Aroclors 1016 and 1260 meet the RSD ≤ 20% or the r ≥ 0.99?	[N]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[ ]	[N]
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	[N]
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]
5. Initial Calibration Verification (ICV):		
Is the mid level (2nd source) recovery within 85 - 115%?	[N]	[ ]

	Yes	No
6. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[N]	[ ]
• Was Drift or D ≤ 15% from the initial calibration with a maximum %D < 20% for a specific compound?	[N]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	N/A [ ]	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	N/A [ ]	[ ]
• Were identified Aroclors confirmed on a second GC column?	[N]	[ ]
• Were individual Aroclor standards used to determine the pattern of the peaks? (Individual Aroclors are 1221, 1232, 1242, 1248, and 1254. Both Aroclor 1016, and 1260 can be used from the mixed calibration standards.)	[N]	[ ]
• Was RPD of target analyte conformation ≤ 40?	N/A [ ]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[N]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[N]	[ ]
• MS/MSD: Were the percent recoveries within limits? Non this SDG	N/A [ ]	[ ]
Were the RPDs within control limits?	N/A [ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[N]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/21/11

Name: Patti Meeks

POLY CHLORINATED BIPHENYLS (PCB/AROCLORS) CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82743

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[N]	[ ]
(b) Were samples analyzed within holding time?	[N]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did Aroclors 1016 and 1260 meet the RSD ≤ 20% or the r ≥ 0.99?	[N]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[ ]	[N]
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	[N]
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]
5. Initial Calibration Verification (ICV):		
Is the mid level (2nd source) recovery within 85 - 115%?	[N]	[ ]

	Yes	No
6. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[N]	[ ]
• Was Drift or $D \leq 15\%$ from the initial calibration with a maximum $\%D < 20\%$ for a specific compound?	[N]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	N/A [ ]	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	N/A [ ]	[ ]
• Were identified Aroclors confirmed on a second GC column?	[N]	[ ]
• Were individual Aroclor standards used to determine the pattern of the peaks? (Individual Aroclors are 1221, 1232, 1242, 1248, and 1254. Both Aroclor 1016, and 1260 can be used from the mixed calibration standards.)	[ ]	[ ]
• Was RPD of target analyte conformation ≤ 40?	N/A [ ]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes $\leq 1/2$ MRL?	[N]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[N]	[ ]
• MS/MSD: Were the percent recoveries within limits?	N/A [ ]	[ ]
None this SDG Were the RPDs within control limits?	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[N]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patt Meeks

Date: 7/22/11

Name: Patt. Meeks

POLY CHLORINATED BIPHENYLS (PCB/AROCLORS) CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 83966

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[N]	[ ]
(b) Were samples analyzed within holding time?	[N]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did Aroclors 1016 and 1260 meet the RSD ≤ 20% or the r ≥ 0.99?	[N]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[ ]	[N]
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	[N]
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]
5. Initial Calibration Verification (ICV):		
Is the mid level (2nd source) recovery within 85 - 115%?	[N]	[ ]

	Yes	No
6. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[ ]	[ ]
• Was Drift or D ≤ 15% from the initial calibration with a maximum %D < 20% for a specific compound?	[ ]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires? N/A	[ ]	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
• Were identified Aroclors confirmed on a second GC column?	[N]	[ ]
• Were individual Aroclor standards used to determine the pattern of the peaks? (Individual Aroclors are 1221, 1232, 1242, 1248, and 1254. Both Aroclor 1016, and 1260 can be used from the mixed calibration standards.)	[N]	[ ]
• Was RPD of target analyte conformation ≤ 40? N/A	[ ]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[N]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[N]	[ ]
• MS/MSD: Were the percent recoveries within limits? DL255-001M-0001-SD	[N]	[ ]
Were the RPDs within control limits?	[N]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[N]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/22/11

Name: Patti Meeks

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82399

	Yes	No	
1. Sample Holding Time:			
(a) Were samples extracted within holding time?	[ ]	[N]	all but 14s past
(b) Were samples analyzed within holding time?	[N]	[ ]	
2. Instrument Tuning: Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[N]	[ ]	
3. Ion Mass Assignments: Was mass assignment based on m/z 198?	[N]	[ ]	
4. Ion Abundance: Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:			
m/z — Acceptance Criteria			
51 — 30.0 - 60.0 %	[N]	[ ]	
68 — < 2% of mass 69	[N]	[ ]	
70 — < 2% of mass 69	[N]	[ ]	
127 — 40-60%	[N]	[ ]	
197 — < 1%	[N]	[ ]	
198 — 100%, Base peak	[N]	[ ]	
199 — 5-9%	[N]	[ ]	
275 — 10 - 30%	[N]	[ ]	
365 — > 1%	[N]	[ ]	
441 — present but < mass 443	[N]	[ ]	
442 — > 40%	[N]	[ ]	
443 — 17-23% of mass 442	[N]	[ ]	

	Yes	No
5.0 Initial Calibration:		
• Did the initial calibration consist of five or more standards?	5-stds [X] more [ ]	[ ] [ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.		
Was the linear model applied?	[X]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
N-nitroso-di-n-propylamine 0.05	[X]	[ ]
Hexachlorocyclopentadiene 0.05	[X]	[ ]
2,4-dinitrophenol 0.05	[X]	[ ]
4-nitrophenol 0.05	[X]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?		
Base/Neutral Fraction:		
Acenaphthene	[X]	[ ]
1,4-Dichlorobenzene	[X]	[ ]
Hexachlorobutadiene	[X]	[ ]
Diphenylamine	[X]	[ ]
Di-n-octylphthalate	[X]	[ ]
Fluoranthene	[X]	[ ]
Benzo(a)pyrene	[X]	[ ]
Acid Fraction:		
4-Chloro-3-methylphenol	[X]	[ ]
2,4-Dichlorophenol	[X]	[ ]
2-Nitrophenol	[X]	[ ]
Phenol	[X]	[ ]
Pentachlorophenol	[X]	[ ]
2,4,6-Trichlorophenol	[X]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?	[X]	[ ]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?	[X] [ ]	[ ] [ ]

	Yes	No
• Was manual integration "M" performed?	[ ]	[N]
If the answer is "Yes", check for supporting documents.		
• Was the manual integration necessary? N/A	[ ]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
6. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
7. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	[N]
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)? ↓	[ ]	[ ]
8. Initial Calibration Verification (ICV):	[N]	[ ]
• Is the mid level (2nd source) recovery within 70-130% for contaminants of concern ?		
• Is the mid level (2nd source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)? N/A	[ ]	[ ]
9. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[N]	[ ]
• Did any of SPCC meet the minimum RF values?	[N]	[ ]

		Yes	No
N-nitroso-di-n-propylamine	0.05	[X]	[ ]
Hexachlorocyclopentadiene	0.05	[X]	[ ]
2,4-dinitrophenol	0.05	[X]	[ ]
4-nitrophenol	0.05	[X]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[X]	[ ]
1,4-Dichlorobenzene	[X]	[ ]
Hexachlorobutadiene	[X]	[ ]
Diphenylamine	[X]	[ ]
Di-n-octylphthalate	[X]	[ ]
Fluoranthene	[X]	[ ]
Benzo(a)pyrene	[X]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[X]	[ ]
2,4-Dichlorophenol	[X]	[ ]
2-Nitrophenol	[X]	[ ]
Phenol	[X]	[ ]
Pentachlorophenol	[X]	[ ]
2,4,6-Trichlorophenol	[X]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [X] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [X] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [X] [ ]
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [X] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [X] [ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?	~~[ ]~~ N	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	~~[ ]~~ N
• MS/MSD: Were the percent recoveries within limits? DLASS-002-0001-SO	[ ]	~~[ ]~~ N
Were the RPD within control limits?	[ ]	~~[ ]~~ N
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	~~[ ]~~ N	[ ]

12. Comments (attach additional sheets if necessary):

DLASS-002 MS: 24 DMP (32,25), 24 DNP (14,12), 3,3' (0,0), 3 NA (21,21), 46 DN2MP (5,3), 4CA (4,3), 4 NA (36,–), ~~anitrie (0,0)~~, ~~benzidine (0,0)~~ benzoic acid (3,1), hexachloro cyclopentadiene (20,14), PCP (25,26) ~~pyridine (0,0)~~ RPDs: 46 DN2MP (55%),

DLASS-014: 24 DMP (18,16), 3,3' (0,~~0~~), 3 NA (12,~~15~~), 4CA (1,2), 4 NA (26,~~33~~) ~~anitrie (1,1)~~, ~~benzidine (0,0)~~, benzoic acid (0,0), ~~pyridine (0,0)~~ benzyl alc ~~e~~ (–,~~0~~1), hexachlorocyclopentadiene (~~3~~9,39) RPDs: OK

LCS w/14's: 4CA = 20%, ~~anitrie (33)~~, ~~benzidine (0)~~, benzoic acid (30), PCP (40), ~~pyridine (7)~~

LCS w/rest: 24 ~~D~~NP (23), 4CA (32), ~~anitrie (37)~~, ~~benzidine (15)~~, benz acid (17 ~~pyridine (2)~~

Validated/Reviewed by:

Signature: Patti Meek Date: 7/25/11

Name: Patti Meek

~~No 1-MN in 14-6001 29J – not in EDD but on HC~~ not target

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82458

	Yes	No
1. Sample Holding Time:		
(a) Were samples extracted within holding time?	[Y]	[ ]
(b) Were samples analyzed within holding time?	[Y]	[ ]
2. Instrument Tuning: Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[Y]	[ ]
3. Ion Mass Assignments: Was mass assignment based on m/z 198?	[Y]	[ ]
4. Ion Abundance: Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:		
m/z Acceptance Criteria		
51 30.0 - 60.0 %	[Y]	[ ]
68 < 2% of mass 69	[Y]	[ ]
70 < 2% of mass 69	[Y]	[ ]
127 40-60%	[Y]	[ ]
197 < 1%	[Y]	[ ]
198 100%, Base peak	[Y]	[ ]
199 5-9%	[Y]	[ ]
275 10 - 30%	[Y]	[ ]
365 > 1%	[Y]	[ ]
441 present but < mass 443	[Y]	[ ]
442 > 40%	[Y]	[ ]
443 17-23% of mass 442	[Y]	[ ]

		Yes	No
5.0 Initial Calibration:			
• Did the initial calibration consist of five or more standards?	5-stds	[ ]	[ ]
	more	[ ]	[ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.			
Was the linear model applied?		[ ]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?			
	RF		
N-nitroso-di-n-propylamine	0.05	[ ]	[ ]
Hexachlorocyclopentadiene	0.05	[ ]	[ ]
2,4-dinitrophenol	0.05	[ ]	[ ]
4-nitrophenol	0.05	[ ]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?			
Base/Neutral Fraction:			
Acenaphthene		[ ]	[ ]
1,4-Dichlorobenzene		[ ]	[ ]
Hexachlorobutadiene		[ ]	[ ]
Diphenylamine		[ ]	[ ]
Di-n-octylphthalate		[ ]	[ ]
Fluoranthene		[ ]	[ ]
Benzo(a)pyrene		[ ]	[ ]
Acid Fraction:			
4-Chloro-3-methylphenol		[ ]	[ ]
2,4-Dichlorophenol		[ ]	[ ]
2-Nitrophenol		[ ]	[ ]
Phenol		[ ]	[ ]
Pentachlorophenol		[ ]	[ ]
2,4,6-Trichlorophenol		[ ]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?		[ ]	[ ]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?		[ ]	[ ]

	Yes	No
• Was manual integration "M" performed?	[ ]	[N]
If the answer is "Yes", check for supporting documents.		
• Was the manual integration necessary? N/A	[ ]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		

6. QCMDL:

• Was MDL Check performed?	[ ]	[N]

7. QCMRL:

• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	[N]
• Was the QC/MRL between 70-130% R N/A	[ ]	[ ]
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)? ↓	[ ]	[ ]

8. Initial Calibration Verification (ICV):

	[N]	[ ]
• Is the mid level (2nd source) recovery within 70-130% for contaminants of concern ?		
• Is the mid level (2nd source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)?	[ ]	[ ]

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?	[N]	[ ]
• Did any of SPCC meet the minimum RF values?	[N]	[N]

		Yes	No
N-nitroso-di-n-propylamine	0.05	[Y]	[ ]
Hexachlorocyclopentadiene	0.05	[Y]	[ ]
2,4-dinitrophenol	0.05	[Y]	[ ]
4-nitrophenol	0.05	[Y]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[Y]	[ ]
1,4-Dichlorobenzene	[Y]	[ ]
Hexachlorobutadiene	[Y]	[ ]
Diphenylamine	[Y]	[ ]
Di-n-octylphthalate	[Y]	[ ]
Fluoranthene	[Y]	[ ]
Benzo(a)pyrene	[Y]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[Y]	[ ]
2,4-Dichlorophenol	[Y]	[ ]
2-Nitrophenol	[Y]	[ ]
Phenol	[Y]	[ ]
Pentachlorophenol	[Y]	[ ]
2,4,6-Trichlorophenol	[Y]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [ ] [N]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [ ] [ ] N/A @ III
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [ ] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [Y] [ ]

11. Sample Quality Control:

		Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?		~~N~~	[ ]
• LCS: Were the percent recoveries for LCS within the limits?		[ ]	~~N~~
• MS/MSD: Were the percent recoveries within limits?	N/A none this SDG	[ ]	[ ]
Were the RPD within control limits?	↓	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?		~~N~~	[ ]

12. Comments (attach additional sheets if necessary):

LCS: 4CA (20%), ~~benzidine (33)~~, ~~benzidine (0)~~, benz acid (30), PCP (40)
~~pyridine (7)~~

CCV 3-NA -22.8% ↑ bot ND, benzidine -58.3 bot ND
4-NI -21.8 ↑ " " 3,3' -42.4 bot ND

Validated/Reviewed by:

Signature: Patt Meeks Date: 7/25/11

Name: Patt Meeks

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82743

	Yes	No
1. Sample Holding Time:		
(a) Were samples extracted within holding time?	[Y]	[ ]
(b) Were samples analyzed within holding time?	[Y]	[ ]
2. Instrument Tuning:		
Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[Y]	[ ]
3. Ion Mass Assignments:		
Was mass assignment based on m/z 198?	[Y]	[ ]
4. Ion Abundance:		
Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:		
m/z — Acceptance Criteria		
51 — 30.0 - 60.0 %	[Y]	[ ]
68 — < 2% of mass 69	[Y]	[ ]
70 — < 2% of mass 69	[Y]	[ ]
127 — 40-60%	[Y]	[ ]
197 — < 1%	[Y]	[ ]
198 — 100%, Base peak	[Y]	[ ]
199 — 5-9%	[Y]	[ ]
275 — 10 - 30%	[Y]	[ ]
365 — > 1%	[Y]	[ ]
441 — present but < mass 443	[Y]	[ ]
442 — > 40%	[Y]	[ ]
443 — 17-23% of mass 442	[Y]	[ ]

	Yes	No
5.0 Initial Calibration:		
• Did the initial calibration consist of five or more standards?	5-stds [X] more [ ]	[ ] [ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.		
Was the linear model applied?	[X]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
N-nitroso-di-n-propylamine 0.05	[X]	[ ]
Hexachlorocyclopentadiene 0.05	[X]	[ ]
2,4-dinitrophenol 0.05	[X]	[ ]
4-nitrophenol 0.05	[X]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?		
Base/Neutral Fraction:		
Acenaphthene	[X]	[ ]
1,4-Dichlorobenzene	[X]	[ ]
Hexachlorobutadiene	[X]	[ ]
Diphenylamine	[X]	[ ]
Di-n-octylphthalate	[X]	[ ]
Fluoranthene	[X]	[ ]
Benzo(a)pyrene	[X]	[ ]
Acid Fraction:		
4-Chloro-3-methylphenol	[X]	[ ]
2,4-Dichlorophenol	[X]	[ ]
2-Nitrophenol	[X]	[ ]
Phenol	[X]	[ ]
Pentachlorophenol	[X]	[ ]
2,4,6-Trichlorophenol	[X]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?	[ ]	[X]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?	[X] [ ]	[ ] [ ]

	Yes	No	
• Was manual integration "M" performed?	[ ]	[ ]	N/A @ III
If the answer is "Yes", check for supporting documents.			
• Was the manual integration necessary?	[ ]	[ ]	
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**			

6. QCMDL:

• Was MDL Check performed?	[ ]	N [ ]	

7. QCMRL:

• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	N	
• Was the QC/MRL between 70-130% R	[ ]	[ ]	N/A
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)?	[ ]	[ ]	

8. Initial Calibration Verification (ICV):

	N	[ ]	
• Is the mid level (2nd source) recovery within 70-130% for contaminants of concern ?			
• Is the mid level (2nd source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)?	[ ]	[ ]	

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?	N	[ ]	
• Did any of SPCC meet the minimum RF values?	N	[ ]	

		Yes	No
N-nitroso-di-n-propylamine	0.05	[N]	[ ]
Hexachlorocyclopentadiene	0.05	[N]	[ ]
2,4-dinitrophenol	0.05	[N]	[ ]
4-nitrophenol	0.05	[N]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[N]	[ ]
1,4-Dichlorobenzene	[N]	[ ]
Hexachlorobutadiene	[N]	[ ]
Diphenylamine	[N]	[ ]
Di-n-octylphthalate	[N]	[ ]
Fluoranthene	[N]	[ ]
Benzo(a)pyrene	[N]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[N]	[ ]
2,4-Dichlorophenol	[N]	[ ]
2-Nitrophenol	[N]	[ ]
Phenol	[N]	[ ]
Pentachlorophenol	[N]	[ ]
2,4,6-Trichlorophenol	[N]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [N] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [ ] [ ] N/A @ III
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [ ] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [N] [ ]

11. Sample Quality Control:

		Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?		[N]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?		[ ]	[N]
• MS/MSD: Were the percent recoveries within limits?	N/A	[ ]	[ ]
none this SDG Were the RPD within control limits?	↓	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?		[ ]	[N]

12. Comments (attach additional sheets if necessary):

Surr F2FP 45% in 040-0001 no qual for 1 ↓
LCS 4CA (39%), ~~anthracene (37), benzidine (19)~~, benz acid (21), pyridine (4)

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/25/11

Name: Patti Meeks

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 83966

	Yes	No
1. Sample Holding Time:		
(a) Were samples extracted within holding time?	[Y]	[ ]
(b) Were samples analyzed within holding time?	[Y]	[ ]
2. Instrument Tuning:		
Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[Y]	[ ]
3. Ion Mass Assignments:		
Was mass assignment based on m/z 198?	[Y]	[ ]
4. Ion Abundance:		
Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:		
m/z — Acceptance Criteria		
51 — 30.0 - 60.0 %	[Y]	[ ]
68 — < 2% of mass 69	[Y]	[ ]
70 — < 2% of mass 69	[Y]	[ ]
127 — 40-60%	[Y]	[ ]
197 — < 1%	[Y]	[ ]
198 — 100%, Base peak	[Y]	[ ]
199 — 5-9%	[Y]	[ ]
275 — 10 - 30%	[Y]	[ ]
365 — > 1%	[Y]	[ ]
441 — present but < mass 443	[Y]	[ ]
442 — > 40%	[Y]	[ ]
443 — 17-23% of mass 442	[Y]	[ ]

	Yes	No
5.0 Initial Calibration:		
• Did the initial calibration consist of five or more standards?	5-stds [N] more [ ]	[ ] [ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.		
Was the linear model applied?	[N]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
N-nitroso-di-n-propylamine 0.05	[N]	[ ]
Hexachlorocyclopentadiene 0.05	[N]	[ ]
2,4-dinitrophenol 0.05	[N]	[ ]
4-nitrophenol 0.05	[N]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?		
Base/Neutral Fraction:		
Acenaphthene	[N]	[ ]
1,4-Dichlorobenzene	[N]	[ ]
Hexachlorobutadiene	[N]	[ ]
Diphenylamine	[N]	[ ]
Di-n-octylphthalate	[N]	[ ]
Fluoranthene	[N]	[ ]
Benzo(a)pyrene	[N]	[ ]
Acid Fraction:		
4-Chloro-3-methylphenol	[N]	[ ]
2,4-Dichlorophenol	[N]	[ ]
2-Nitrophenol	[N]	[ ]
Phenol	[N]	[ ]
Pentachlorophenol	[N]	[ ]
2,4,6-Trichlorophenol	[N]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?	[ ]	[N]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?	[N] [ ]	[ ] [ ]

	Yes	No	
• Was manual integration "M" performed?	[ ]	[N]	
If the answer is "Yes", check for supporting documents.			
• Was the manual integration necessary?	[ ]	[ ]	N/A
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**			
6. QCMDL:			
• Was MDL Check performed?	[ ]	[N]	
7. QCMRL:			
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	[N]	
• Was the QC/MRL between 70-130% R	[ ]	[ ]	N/A
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)?	[ ]	[ ]	↓
8. Initial Calibration Verification (ICV):			
• Is the mid level (2nd source) recovery within 70-130% for contaminants of concern ?	[N]	[ ]	
• Is the mid level (2nd source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)?	[ ]	[ ]	
9. Continuing Calibration Verification (CCV):			
• Was CCV conducted every 12 hours?	[N]	[ ]	
• Did any of SPCC meet the minimum RF values?	[N]	[ ]	

		Yes	No
N-nitroso-di-n-propylamine	0.05	[X]	[ ]
Hexachlorocyclopentadiene	0.05	[X]	[ ]
2,4-dinitrophenol	0.05	[X]	[ ]
4-nitrophenol	0.05	[X]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[X]	[ ]
1,4-Dichlorobenzene	[X]	[ ]
Hexachlorobutadiene	[X]	[ ]
Diphenylamine	[X]	[ ]
Di-n-octylphthalate	[X]	[ ]
Fluoranthene	[X]	[ ]
Benzo(a)pyrene	[X]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[X]	[ ]
2,4-Dichlorophenol	[X]	[ ]
2-Nitrophenol	[X]	[ ]
Phenol	[X]	[ ]
Pentachlorophenol	[X]	[ ]
2,4,6-Trichlorophenol	[X]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [X] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [X] [ ]
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [X] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [X] [ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?	~~[N]~~	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	~~[N]~~
• MS/MSD: Were the percent recoveries within limits? DL255-001M-0001-SO	[ ]	~~[N]~~
Were the RPD within control limits?	[ ]	~~[N]~~
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	~~[N]~~	~~[N]~~

12. Comments (attach additional sheets if necessary):

MS/D : 24DMP (35,27), 24DNP (0,0~~%~~) 3,3' (0,0), 3NA (28,23), 46DN2MP (24,30) 4CA (10,7), 4NA (41,38), ~~anitrine (3,2)~~, ~~benzidine (0,0)~~, benz acid (0,0) PCP (30,~~35~~), ~~pyridine (0,0)~~, hexachlorocyclopentadiene (~~3~~,32)

RPDs 4CA 38%, hexachlorocyclopentadiene 38%

LCS : 4CA (37), ~~benzidine (17)~~, benz acid (40), ~~pyridine (1)~~ ~~yes 7~~

~~CCV PCP (47.4), benz alc (46.5), benz acid (45.7)~~

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/25/14

Name: Patti. Meeks

~~Pyridine not reported 0001 (290 J)~~ → Not target

VOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: Ravenna Orc Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group (SDG): 82743

	Yes	No
1. Holding Time:		
(a) Were samples preserved?	[Y]	[ ]
(b) Were samples analyzed within holding time?	[Y]	[ ]
2. Was the BFB tune performed at the beginning of each 12-hour period during which samples were analyzed?	[Y]	[ ]
3. Was mass assignment based on m/z 95?	[Y]	[ ]
4. Indicate if BFB ions abundance relative to m/z 95 base peak met the ions abundance criteria:		

m/z	Acceptance Criteria		
50	15.0 - 40.0 %	[Y]	[ ]
75	30.0 - 66.0 %	[Y]	[ ]
95	**100%, Base Peak**	[Y]	[ ]
96	5.0 - 9.0%	[Y]	[ ]
173	<2.0% of m/z 174	[Y]	[ ]
174	>50%	[Y]	[ ]
175	5.0 - 9.0% of mass 174	[Y]	[ ]
176	95.0 - 101.0% of m/z 174	[Y]	[ ]
177	5.0 - 9.0% of m/z 176	[Y]	[ ]

The relative ion abundance of m/z 95/96, m/z 174/176, and 176/177 are of critical importance.

The relative ion abundance of m/z 50 and 75 are of lower importance.

	Yes	No
5. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did the System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
#3 Chloromethane (RF 0.1)	[N]	[ ]
26 1,1-Dichloroethane (RF 0.1)	[N]	[ ]
77 Bromoform (RF 0.1)	[N]	[ ]
71 Chlorobenzene (RF 0.3)	[N]	[ ]
83 1,1,2,2-Tetrachloroethane (RF 0.3)	[N]	[ ]
• Did the RSD meet the criteria ≤ 30% for each individual Calibration Check Compound (CCC)?		
26 1,1-Dichloroethene	[N]	[ ]
39 Chloroform	[N]	[ ]
51 1,2-Dichloropropane	[N]	[ ]
60 Toluene	[N]	[ ]
13 Ethylbenzene	[N]	[ ]
4 Vinyl chloride	[N]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 20%?	[N]	[ ]
If the answer is "No", are the mean RSDs ≤ 15%?	[ ]	[ ]
• Was manual integration "M" performed?	[ ]	[ ]
N/A @ TL If the answer is "Yes", check for supporting documents.	[ ]	[ ]
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
6. QCMDL: • Was MDL Check performed?	[ ]	[N]
7. QCMRL:	[ ]	[ ]

	Yes	No
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	[N]
• Was the QC/MRL between 70-130% R	[ ]	[ ]
• For the non-contaminants of concern was the QC/MRL between 60-140% (Sporadic Marginal Failure)	[ ]	[ ]

8. Initial Calibration Verification (ICV):

• Is the mid level (2nd source) recovery within 80 - 120% for contaminants of concern ?	[ ]	[ ]
• Is the mid level (2nd source) recovery within 60-140% for non-contaminants of concern (Sporadic Marginal Failure)?		

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?		[N]	[ ]
• Did SPCC meet the RF values?		[ ]	[ ]
RF			
Chloromethane	0.1	[N]	[ ]
1,1-Dichloroethane	0.1	[N]	[ ]
Bromoform	0.1	[N]	[ ]
Chlorobenzene	0.3	[N]	[ ]
1,1,2,2-Tetrachloroethane	0.3	[N]	[ ]
• Did the CCC meet the minimum requirements (D ≤ 20%)?		[N]	[ ]
1,1-Dichloroethene		[N]	[ ]
Chloroform		[N]	[ ]
1,2-Dichloropropane		[N]	[ ]
Toluene		[N]	[ ]
Ethylbenzene		[N]	[ ]
Vinyl chloride		[N]	[ ]
• Primary Evaluation: Was the mean, Drift or D ≤ 20% from the initial calibration?		[ ]	[N] but ↑ & ND
• Alternative Evaluation: Maximum allowable Drift/D for			

	Yes	No
each target analyte is ≤ 30% when mean D ≤ 20%?	[ ]	[ ]

10. Sample Analysis:

N/A em • Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component?	[ ]	[ ]
• Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra?	[ ]	[ ]
• Were the internal standard areas within the QC limits (from -50% to +200%)?	N	[ ]

11. Sample Quality Control:

• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	N	[ ]
• MS/MSD: Were the percent recoveries within limits? DLASS-603-0001-SO	[ ]	N
Were the RPD within control limits?	N	[ ]
System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits (50-150%)?	N	[ ]

12. Comments (attach additional sheets if necessary):

MS/D - bromomethane + chloroethane ↑ but ND
methylene chloride 67%/60%

LCS - chloroethane ↑ but ND

Validated/Reviewed by:
Signature: Patti Meeks

Date: 7/29/11

Name: Patti Meeks

VOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group (SDG): 83966

	Yes	No
1. Holding Time:		
(a) Were samples preserved?	[X]	[ ]
(b) Were samples analyzed within holding time?	[X]	[ ]
2. Was the BFB tune performed at the beginning of each 12-hour period during which samples were analyzed?	[X]	[ ]
3. Was mass assignment based on m/z 95?	[X]	[ ]
4. Indicate if BFB ions abundance relative to m/z 95 base peak met the ions abundance criteria:		

m/z	Acceptance Criteria		
50	15.0 - 40.0 %	[X]	[ ]
75	30.0 - 66.0 %	[X]	[ ]
95	**100%, Base Peak**	[X]	[ ]
96	5.0 - 9.0%	[X]	[ ]
173	<2.0% of m/z 174	[X]	[ ]
174	>50%	[X]	[ ]
175	5.0 - 9.0% of mass 174	[X]	[ ]
176	95.0 - 101.0% of m/z 174	[X]	[ ]
177	5.0 - 9.0% of m/z 176	[X]	[ ]

The relative ion abundance of m/z 95/96, m/z 174/176, and 176/177 are of critical importance.

The relative ion abundance of m/z 50 and 75 are of lower importance.

	Yes	No
5. Initial Calibration:		
• Did the initial calibration consist of five standards?	[X]	[ ]
• Did the System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
3 Chloromethane (RF 0.1)	[X]	[ ]
13 ~~26~~ 1,1-Dichloroethane (RF 0.1)	[X]	[ ]
79 Bromoform (RF 0.1)	[X]	[ ]
73 Chlorobenzene (RF 0.3)	[X]	[ ]
85 1,1,2,2-Tetrachloroethane (RF 0.3)	[X]	[ ]
• Did the RSD meet the criteria ≤ 30% for each individual Calibration Check Compound (CCC)?		
13 ~~26~~ 1,1-Dichloroethene	[X]	[ ]
39 Chloroform	[X]	[ ]
51 1,2-Dichloropropane	[X]	[ ]
62 Toluene	[X]	[ ]
75 Ethylbenzene	[X]	[ ]
4 Vinyl chloride	[X]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 20%?	[X]	[ ]
If the answer is "No", are the mean RSDs ≤ 15%?	[ ]	[ ]
• Was manual integration "M" performed?	[X]	[ ]
If the answer is "Yes", check for supporting documents.	[ ]	[ ]
• Was the manual integration necessary?	[X]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
6. QCMDL:	[ ]	[X]
• Was MDL Check performed?		
7. QCMRL:	[ ]	[ ]

	Yes	No
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	[X]
• Was the QC/MRL between 70-130% R	[ ]	[ ]
• For the non-contaminants of concern was the QC/MRL between 60-140% (Sporadic Marginal Failure)	[ ]	[ ]
8. Initial Calibration Verification (ICV):	[X]	[ ]
• Is the mid level (2nd source) recovery within 80 - 120% for contaminants of concern ?		
• Is the mid level (2nd source) recovery within 60-140% for non-contaminants of concern (Sporadic Marginal Failure)?		
9. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[X]	[ ]
• Did SPCC meet the RF values?	[X]	[ ]
RF		
Chloromethane 0.1	[X]	[ ]
1,1-Dichloroethane 0.1	[X]	[ ]
Bromoform 0.1	[X]	[ ]
73 Chlorobenzene 0.3	[X]	[ ]
1,1,2,2-Tetrachloroethane 0.3	[X]	[ ]
• Did the CCC meet the minimum requirements (D ≤ 20%)?	[ ]	[ ]
1,1-Dichloroethene	[X]	[ ]
Chloroform	[X]	[ ]
1,2-Dichloropropane	[X]	[ ]
Toluene	[X]	[ ]
Ethylbenzene	[X]	[ ]
Vinyl chloride	[X]	[ ]
• Primary Evaluation: Was the mean, Drift or D ≤ 20% from the initial calibration?	[ ]	[ ]
• Alternative Evaluation: Maximum allowable Drift/D for		

	Yes	No
each target analyte is ≤ 30% when mean D ≤ 20%?	[ ]	[ ]

10. Sample Analysis:

No detects ↓ • Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component?	[ ]	[ ]
• Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra?	[ ]	[ ]
• Were the internal standard areas within the QC limits (from -50% to +200%)?	N	[ ]

11. Sample Quality Control:

• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	N	[ ]
• MS/MSD: Were the percent recoveries within limits? DL255-006-0001-SO	[ ]	N chloroethane ↑ but ND
Were the RPD within control limits?	[ ]	N
System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits (50-150%)?	N	[ ]

12. Comments (attach additional sheets if necessary):

Validated/Reviewed by:
Signature: Patti Meeks

Date: 7/28/11

Name: Patti Meeks

ICP METALS ANALYSIS (6010) + Hg CHECKLIST

IV
2-1 870189
14-1 870201
22-1 870194

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82399

	Yes	No	
1. Holding Time:			
• Were samples analyzed within holding time (6-Months)? or 28d for Hg	[ ]	N	some Hg past
2. Initial Calibration:			
• Did the initial calibration consist of			
One calibration standard and a blank?	[ ]	[ ]	
three calibration standards and a blank?	[ ]	[ ]	
• Was $R \geq 0.995$	[ ]	[ ]	
3. QCMDL:			
• Was MDL Check performed?	[ ]	N	
QCMRL:			
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	N	[ ]	
• Was the QC/MRL between 70-130% R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	N	[ ]	
4. Initial Calibration Verification (ICV):			
• Is the mid level (2nd source) recovery within 90 - 110%? 80 - 120% Hg	N	[ ]	
5. Initial Calibration Blank (ICP):			

	Yes	No	
• Were analytes in the blank ≤ 1/2 MRL?	~~[N]~~	[ ]	those affecting sample

6. Interelement Check Standard:

• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	~~[N]~~	[ ]
• Was ICS-AB results within QC limits (80-120)?	~~[N]~~	[ ]

7. Continuing calibration Blank (CCB):

• Was CCB conducted every 10 samples?	~~[N]~~	[ ]
• Was CCB conducted at end of the analytical sequence?	~~[N]~~	[ ]
• Were analytes ≤ 1/2 MRL?	[ ]	~~[N]~~

8. Continuing Calibration Verification (CCV):

• Was CCV conducted every 10 samples?	~~[N]~~	[ ]	
• Was CCV conducted at end of the analytical sequence?	~~[N]~~	[ ]	
• Was the %R between 90-110?	[ ]	~~[N]~~	~~↑ %R~~ no analytes reported from affected CCVs

9. Sample Analysis:

• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	~~[N]~~	[ ]

10. Sample Quality Control:

• Method Blanks: Were target analytes ≤ 1/2 MRL?	~~[N]~~	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	~~[N]~~	[ ]
• MS: Were the percent recoveries within limits? CLASS-0174-0001, 0010-0001 0002-0001	[ ]	~~[N]~~
• MD: Were the RPDs within control limits?	[ ]	~~[N]~~

11. Serial Dilution:

• Was serial dilution (1:4) conducted when needed?	~~[N]~~	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	[ ]	[N]

12. Method of Standard Addition (MSA):

• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)? N/A	[ ]	[ ]

13. Comments (attach additional sheets if necessary):

~~H-1 MS Sb %R = 0 by raw data~~
~~Se = 6.35 mg/L J 870204~~
• CCV %RSD Mg = 5.10% J ~~200~~ 870200, 870201-3
• CCB Tl = -3.5 J 869552
• CCB Tl = 1.03 U 869554
• = -6.30 J 869553, 5, 6
• MB Sb = -0.101 mg/Kg J 870188
~~CCB Tl = 5.75 U 870188, 189~~
• Se = -10.8 J 870189, 188, 190, 191-6
~~Sb = -3.94 J 870188~~
stet • Se in 870191 = -12.9 in 870212 = -7.34 stet 2 870210 = -5.64
~~CCB Tl = 3.99 U 870194-6, 192, 191, 197, 208-16 & Tl = 7.51~~
~~4.51 U 189, 188~~
• CCB Tl = -8.42 J 870188, 189-92
• -3.52 J 870210-215, 209, 195, 196, 193, 216
Hg MRL not reported but OK ~~(11/24)~~

SD:
14-0001 Cd (17), Cu (15), Fe (13), Zn (15)
10-0001 Ba (13), Cr (11)
2-0001 ~~As ( )~~, ~~Cd ( )~~, Co (12), Cu (16), Pb (44), Ni (12), ~~Ag ( )~~, Zn (16)
Mg (11)

Validated/Reviewed by:

Signature: Patti Meeks Date: 7/29/11

Name: Patti Meeks

MS/D
14-001
Sb (0, 20) +122%
Mn (0, 0)
Ag (67, 71)

010-001 – all RPDs except Cr, Fe, Zn
Sb (179, 813)
As (165, 80)
Ba (174, 78)
Be (162, 82)
Cd (140, 67)
Ca (331, 73)
Co (150, 57)
Cu (128, 64)
Pb (18, 59)
Mg (286, 55)
Ni (140, 54)
Se (159, 70)
Ag (161, 76)
Tl (133, 66)
V (160, 72)
~~Zn~~ (75, 44)

002-0001
Sb (0, 0)
Cu (36, 72)
Pb (15, 45)
Zn (70, 60)
Mg (126, 82) +22%
Mn (0, 0)
193 Tl (73, 71)
Cd (80, 72)
Co (85, 72)
Ni (97, 70)
Se (75, 72)

Dup RPD
14-0001
Sb = 409% ± RL

10-0001
Cd = 21%
Hg = 33%
002-001
Cd = 32%
Se = 111%

ICP METALS ANALYSIS (6010) + Mercury CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

IV: 42-0001

Batch Number(s): _____

Sample Delivery Group: 82458

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)? 28 d for Hg	N	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	N	[ ]
three calibration standards and a blank?	N	[ ]
• Was R ≥ 0.995	N	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	N
QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	N	[ ]
• Was the QC/MRL between 70-130% R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[ ]	[ ]
	N	[ ]
4. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 90 - 110%?		
5. Initial Calibration Blank (ICP):		

	Yes	No	
• Were analytes in the blank ≤ 1/2 MRL?	[ ]	N	
6. Interelement Check Standard:			
• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	N	[ ]	
• Was ICS-AB results within QC limits (80-120)?	N	[ ]	
7. Continuing calibration Blank (CCB):			
• Was CCB conducted every 10 samples?	N	[ ]	
• Was CCB conducted at end of the analytical sequence?	N	[ ]	
• Were analytes ≤ 1/2 MRL?	[ ]	N	
8. Continuing Calibration Verification (CCV):			
• Was CCV conducted every 10 samples?	N	[ ]	
• Was CCV conducted at end of the analytical sequence?	N	[ ]	
• Was the %R between 90-110?	[ ]	N	
9. Sample Analysis:			
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[ ]	[ ]	
10. Sample Quality Control:			
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	N	insufficient to qualify
• LCS: Were the percent recoveries for LCS within the limits?	N	[ ]	
• MS: Were the percent recoveries within limits? none this SDG	N/A	[ ]	[ ]
• MD: Were the RPDs within control limits? none this SDG	↓	[ ]	[ ]
11. Serial Dilution:			
• Was serial dilution (1:4) conducted when needed? None this SDG	[ ]	[ ]	

	Yes	No	
• Was there an agreement between diluted and undiluted results (<10%)?	[ ]	[ ]	N/A
12. Method of Standard Addition (MSA):			↓
• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)?	[ ]	[ ]	

13. Comments (attach additional sheets if necessary):

42-0001 Tl = -5.29, Sb = -8.33 Tl = 0.27 mg/kg Sb = 0.42 mg/kg
871189 -6.40 (Sb) Sb = 0.33 mg/kg

CCB Tl = 2.93 U ~~871186~~, 192, 193, ~~194~~, 195, 196
Tl = -6.77 J 871198
Sb = -1.17 J 871193, 195, 196
Sb = -1.19 J 871184
Se = -6.35 J 871188, 190, 191, 193-7

* MB -0.101 871189, 198, ~~188~~ 197, 194 (Sb)

* CCV %RSD 871184, 186, 187, 188, 189, 190 (Mg)

Validated/Reviewed by:

Signature: Patti Meeks Date: 8/1/11

Name: Patti Meeks

ICP METALS ANALYSIS (6010) CHECKLIST

Project Name: Ravenna Ore Piles IV: 40-0001

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82743

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)? 28 d Hg	[/]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[ ]	[ ]
three calibration standards and a blank?	[X]	[ ]
• Was R ≥ 0.995	[/]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[X]
QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[X]	[ ]
• Was the QC/MRL between 70-130% R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[X]	[ ]
4. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 90 - 110%?	[X]	[ ]
5. Initial Calibration Blank (ICP):		

	Yes	No
• Were analytes in the blank ≤ 1/2 MRL?	[ ]	[N]
6. Interelement Check Standard:		
• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	[N]	[ ]
• Was ICS-AB results within QC limits (80-120)?	[N]	[ ]
7. Continuing calibration Blank (CCB):		
• Was CCB conducted every 10 samples?	[N]	[ ]
• Was CCB conducted at end of the analytical sequence?	[N]	[ ]
• Were analytes ≤ 1/2 MRL?	[ ]	[N]
8. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 10 samples?	[N]	[ ]
• Was CCV conducted at end of the analytical sequence?	[N]	[ ]
• Was the %R between 90-110?	[ ]	[N]
9. Sample Analysis:		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[ ]	[ ]
10. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[N]
• LCS: Were the percent recoveries for LCS within the limits?	[N]	[ ]
• MS: Were the percent recoveries within limits? DAAS5-041-0001-50	[ ]	[N]
• MD: Were the RPDs within control limits?	[ ]	[N]
11. Serial Dilution:		
• Was serial dilution (1:4) conducted when needed?	[N]	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	[ ]	N

12. Method of Standard Addition (MSA):

• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)? N/A	[ ]	[ ]

13. Comments (attach additional sheets if necessary):

MS/D Co (67, 66) Fe (56, 47), Pb (26, 50), Ni (61, 62), Sb (7, 8)
Al (135, 200), Cu (143, 240), Zn (75, 59), Ag (92, 128)
Be (106, 142), Cu (103, 146), Mg (125, 171)
RPDs: Ag (31), ~~Tl (20), Be~~ Cd (28)
Dup: Cd (79), Hg (35)

SD: As (12), Pb (23), Al (29), ~~Sb (22), Be (29), Cd (67),~~ Ca (33), Cu (31), Mg (35), ~~Hg (11)~~

CLB TA = 2.25 U 41-0001
~~MB Tl = 1.69 mg/L UJ 40-0001~~
Tl = 5.30 U
~~Sr = 2.30 UJ 41-0001~~
~~Zn = 2.04 UJ 41-0001~~

Validated/Reviewed by:

Signature: Patti Meeks Date: 8/1/11

Name: Patti Meeks

ICP METALS ANALYSIS (6010) CHECKLIST

IN: 001M-0001

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 83966

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)?	[Y]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[Y]	[ ]
three calibration standards and a blank?	[N]	[ ]
• Was R ≥ 0.995	[N]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[ ]
• Was the QC/MRL between 70-130% R?	[N]	[ ]
Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[N]	[ ]
4. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 90 - 110%?		
5. Initial Calibration Blank (ICP):		

	Yes	No
• Were analytes in the blank ≤ 1/2 MRL?	[ ]	[X]

6. Interelement Check Standard:

• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	[X]	[ ]
• Was ICS-AB results within QC limits (80-120)?	[X]	[ ]

7. Continuing calibration Blank (CCB):

• Was CCB conducted every 10 samples?	[X]	[ ]
• Was CCB conducted at end of the analytical sequence?	[X]	[ ]
• Were analytes ≤ 1/2 MRL?	[ ]	[X]

8. Continuing Calibration Verification (CCV):

• Was CCV conducted every 10 samples?	[X]	[ ]
• Was CCV conducted at end of the analytical sequence?	[X]	[ ]
• Was the %R between 90-110?	[ ]	[X]

9. Sample Analysis:

• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[ ]	[ ]

10. Sample Quality Control:

• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[X]
• LCS: Were the percent recoveries for LCS within the limits?	[X]	[ ]
• MS: Were the percent recoveries within limits? DL255-001M-0001-SO	[ ]	[X]
• MD: Were the RPDs within control limits?	[ ]	[X]

11. Serial Dilution:

• Was serial dilution (1:4) conducted when needed?	[X]	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	[ ]	N

12. Method of Standard Addition (MSA):

• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)?	[ ]	[ ]

13. Comments (attach additional sheets if necessary):

MS/D Al (132, 130), Cd (67, 67), Co (22, 21), Se (73, 73), Ag (68, 64)
Tl (53, 52), Fe (39, 33), Sb (10, 10), Hg (64, 90)

RPDs - OK

Dups: Mn (63), Hg (37)

SD: Fe (41), Mn (97), Al (29), As (220), Ba (30), Be (30), ~~Cd (687)~~,
Cu (35), Cr (36), Co (28), Pb (39), Mg (40), Ni (30), V (61)
Zn (20)

~~MB: Tl =~~ 0.34

914	Se = -13.4	~~=0.34~~ mg/kg	
915	= -21.6	= 0.54	+ RL
• 916	= -8.25	= 0.21	
917	= -27.4	= 0.74	+ RL
919	= -25.4	= 0.64	+ RL

Validated/Reviewed by:

Signature: Patti Meeks Date: 8/1/11

Name: Patti Meeks

VERSION 5
June 2002

U.S. Army Corps of Engineers Louisville District - LCG

Cr 6+ & Nitrocellulose

~~CYANIDE~~ ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82399

	Yes	No	
1. Holding Time:			
• Were samples analyzed within holding time?	[ ]	[N]	NC {22-0001 +3 / 14-0001 +3 ext 1 d past 3X
2. Initial Calibration:			
• Did the initial calibration consist of			
One calibration standard and a blank?	[ ]	[ ]	
Six calibration standards and a blank?	[N]	[ ]	
• Was $R \geq 0.995$	[ ]	[ ]	
3. QCMDL:			
• Was MDL Check performed?	[ ]	[N]	
4. QCMRL:			
• Were QC/MRL run at the beginning of every daily sequence??	[ ]	[N]	
• Was the QC/MRL between 70-130% R?	[ ]	[ ]	
5. Initial Calibration Verification (ICV):			
• Is the mid level (2nd source) recovery within ~~80-120%~~ 90-110%?	[N]	[ ]	
7. Initial calibration Blank (ICP):			
• Were analytes in the blank < 1/2 MRL?	[N]	[ ]	

	Yes	No
7. Continuing calibration Blank (CCB):	~~[Y]~~	[ ]
• Was CCB conducted every 10 samples?	~~[Y]~~	[ ]
• Was CCB conducted at end of the analytical sequence?	~~[Y]~~	[ ]
• Were analytes ≤ 1/2 MRL?		
8. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 10 samples?	~~[Y]~~	[ ]
• Was CCV conducted at end of the analytical sequence?	~~[Y]~~	[ ]
• Was the %R between ~~80-120~~? 90-110	~~[Y]~~	[ ]
9. Sample Analysis:		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[ ]	[ ]
12. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	~~[Y]~~	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	~~[Y]~~	[ ]
• MS: Were the percent recoveries within limits? DLASS-014-0001-SD	[ ]	~~[Y]~~
• MD: Were the RPDs within control limits?	~~[Y]~~	[ ]

13. Comments (attach additional sheets if necessary):

MS/D Cr6+ 8/0 14-0001
7/5 2-0001 NC 73/77
0/6 22-0001

Hex chrom inst is direct read

No MRLs

Patti Meeks 8/1/11

Patti Meeks

U.S. Army Corps of Engineers Louisville District - LCG

Cr 6+ + NC

~~CYANIDE~~ ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82458

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time?	[ ]	[N] all NC ext 3x past hold
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[N]	[ ]
Six calibration standards and a blank?	[ ]	[ ]
• Was R ≥ 0.995	[N]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
4. QCMRL:		
• Were QC/MRL run at the beginning of every daily sequence??	[ ]	[N]
• Was the QC/MRL between 70-130% R?	[ ]	[ ]
5. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within ~~80-120%~~ 90-110%?	[N]	[ ]
7. Initial calibration Blank (ICP):		
• Were analytes in the blank ≤ 1/2 MRL?	[N]	[ ]

	Yes	No
7. Continuing calibration Blank (CCB):	N	[ ]
• Was CCB conducted every 10 samples?	N	[ ]
• Was CCB conducted at end of the analytical sequence?	N	[ ]
• Were analytes ≤ 1/2 MRL?		
8. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 10 samples?	N	[ ]
• Was CCV conducted at end of the analytical sequence?	N	[ ]
• Was the %R between 80-120?	N	[ ]
9. Sample Analysis:		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
12. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	N	[ ]
• MS: Were the percent recoveries within limits? N/A None this SDG	[ ]	[ ]
• MD: Were the RPDs within control limits? ↓	[ ]	[ ]

13. Comments (attach additional sheets if necessary):

Gbt -5

Patti Meeks 8/1/2011

Patti Meeks

CYANIDE ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 82743

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time?	[X]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[ ]	[ ]
Six calibration standards and a blank?	[X]	[ ]
• Was R ≥ 0.995	[X]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[X]
4. QCMRL:		
• Were QC/MRL run at the beginning of every daily sequence??	[ ]	[X]
• Was the QC/MRL between 70-130% R?	[ ]	[ ]
5. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 80-120%?	[X]	[ ]
7. Initial calibration Blank (ICP):		
• Were analytes in the blank ≤ 1/2 MRL?	[X]	[ ]

	Yes	No
7. Continuing calibration Blank (CCB):	[N]	[ ]
• Was CCB conducted every 10 samples?	[N]	[ ]
• Was CCB conducted at end of the analytical sequence?	[N]	[ ]
• Were analytes ≤ 1/2 MRL?		
8. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 10 samples?	[N]	[ ]
• Was CCV conducted at end of the analytical sequence?	[N]	[ ]
• Was the %R between 80-120?	[N]	[ ]
9. Sample Analysis:		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
12. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[N]	[ ]
• LCS: Were the percent recoveries for LCS within the limits? 88%	[N]	[ ]
• MS: Were the percent recoveries within limits? ~~DLA55003-0001=80~~ none this SDG	[ ] N/A	[ ]
• MD: Were the RPDs within control limits? → DAAS-041	[N]	[ ]

13. Comments (attach additional sheets if necessary):

Patti Meeks 9/1/2011

Patti Meeks

CYANIDE ANALYSIS CHECKLIST

Project Name: Ravenna Ore Piles

Laboratory: CT

Batch Number(s): _____

Sample Delivery Group: 83966

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time?	N	[ ] NC ext past hold
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[ ]	[ ]
Six calibration standards and a blank?	N	[ ]
• Was R ≥ 0.995	N	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	N
4. QCMRL:		
• Were QC/MRL run at the beginning of every daily sequence??	[ ]	N
• Was the QC/MRL between 70-130% R?	[ ]	[ ]
5. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 80-120%?	N	[ ]
7. Initial calibration Blank (ICP):		
• Were analytes in the blank ≤ 1/2 MRL?	N	[ ]

	Yes	No
7. Continuing calibration Blank (CCB):	N	[ ]
• Was CCB conducted every 10 samples?	N	[ ]
• Was CCB conducted at end of the analytical sequence?	N	[ ]
• Were analytes ≤ 1/2 MRL?		
8. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 10 samples?	N	[ ]
• Was CCV conducted at end of the analytical sequence?	N	[ ]
• Was the %R between 80-120?	N	[ ]
9. Sample Analysis:		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
12. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	N	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	N
• MS: Were the percent recoveries within limits? DL255-001M-0001-50	[ ]	N
• MD: Were the RPDs within control limits?	N	[ ]

13. Comments (attach additional sheets if necessary):

Cr^{6+} MS/D 0/33%
NC MS 65%66%

NC LCS = 78%

Patti Meeks

8/1/11

U.S. Army Corps of Engineers
Louisville District

Ravenna Army Ammunition Plant
Ravenna, Ohio
Remedial Investigation
Compliance Restoration Sites:
RVAAP-68 Electric Substations, RVAAP-69 Building 1048 Fire Station RVAAP-73 Coal Storage Area, RVAAP-74 Building 1034 Motor Pool Hydraulic Lift, RVAAP-76 Depot Area, RVAAP-78 Quarry Pond Surface Dump, RVAAP-79 DLA Ore Storage Site-Main Ore Storage Yard

Final Data Validation Report
Sample Delivery Groups:
Multiple

2014

Prepared for:
U.S. Army Corps of Engineers
Louisville District
Contract No. W912QR-08-D-0012
Delivery Order 001

Prepared by:

North Wind Services
352 Corporate Center Court
Stockbridge, Georgia 30218

MEC^X
12269 East Vassar Drive
Aurora, Colorado 80014

CONTRACTOR STATEMENT OF INDEPENDANT TECHNICAL REVIEW

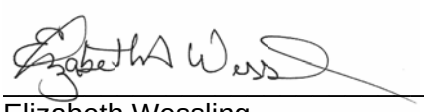
MEC^X, LP (MEC^X) has completed the Data Validation Report for Multiple Sample Delivery Groups from the Ravenna Army Ammunition Plant Remedial Investigation Compliance Restoration Sites.

Notice is hereby given that an independent technical review has been conducted to determine the usability and bias of the analytical data.

Significant concerns and the resolution are as follows:

None

As noted above, all concerns resulting from this independent technical review have been considered.



Elizabeth Wessling
Senior Environmental Chemist
MEC^X Independent Technical Review Team Leader

Patti Meeks, Ph.D.
Senior Environmental Chemist
MEC^X Independent Technical Review Team Member

EXECUTIVE SUMMARY

The overall objective for the project data described in this document is to define the nature and extent of contamination for the completion of Remedial Investigations (RI) at each Compliance Restoration (CR) site.

Data described in this report are comprised of samples collected from seven CR sites at the Ravenna Army Ammunition Plant (RVAAP) by Environmental Chemical Corporation (ECC) from November 2012 to August 2013. The number and matrix of the samples, as described in numerous ECC Site Inspection Reports, are as shown below:

Analysis	Soil			Sediment		Surface Water	
	MI	Discrete	Duplicate	Discrete	Duplicate	Discrete	Duplicate
Metals	350	1	31	13	3	17	4
SVOCs	212	34	24	13	3	13	3
Explosives	46	1	8	3	1	3	1
Propellants[1]	84	1	11	3	1	3	1
Volatiles	120	1	16	2	0	2	0
BTEX	1	0	0	0	0	0	0
Pesticides	20	1	6	1	0	1	0
PCBs	108	1	13	8	2	7	2
TPH	2	34	2	0	0	0	0
Hexavalent Chromium	1	0	0	0	0	0	0

1 –nitroguanidine and nitrocellulose
MI – multi-incremental
PAH – polynuclear aromatic hydrocarbons
BTEX – benzene, toluene, ethylbenzene, xylenes
TPH – total petroleum hydrocarbons

This report details the data validation of 10% of the primary sample data, analysis of field duplicate results, and the determination of data usability of the validated samples. Validation results, field duplicate comparisons and data usability are presented by site, in Sections 4 through 10.

The primary samples were analyzed for one or more of the following parameters by TestAmerica Laboratories, North Canton (TA-North Canton) located in North Canton, Ohio.

- United States Environmental Protection Agency (USEPA) SW-846 Method 8260B for volatile organic compounds (VOCs)
- USEPA SW-846 Method 8270C for semivolatile compounds (SVOCs) or polynuclear aromatic hydrocarbons (PAHs)
- USEPA SW-846 Method 8015B for total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) and diesel range organics (DRO)
- USEPA SW-846 Method 8081 for pesticides
- USEPA SW-846 Method 8082 for polychlorinated biphenyls (PCBs)
- USEPA SW-846 Method 8151 for herbicides

- USEPA SW-846 Method 6020 for metals
- USEPA SW-846 Method 7470A/7471A for mercury
- USEPA SW-846 Method 7196A for hexavalent chromium

TA-North Canton subcontracted the following analyses to TA-West Sacramento:

- USEPA SW-846 Method 8330B for explosive compounds
- USEPA SW-846 8330 Modified for nitroguanidine
- Laboratory Standard Operating Procedure (SOP) WS-WC-0050 for nitrocellulose

The quality assurance (QA) split samples were submitted to Microbac Laboratories (Microbac) in Marietta, Ohio and were analyzed for one or more of the aforementioned parameters. These data are discussed in a separate report (*Ravenna Army Ammunition Plant Compliance restoration Sites Chemical Quality Assurance Report*).

Specific concerns regarding the data are noted below:

- Limit of Detection (LOD) exceedances – a few LODs and detection limits (DLs) exceeded the project criteria. These exceedances are detailed in the individual Area of Concenr (AOC) sections.

- Matrix interference was present in the primary column explosive analyses of the validated surface water sample. Target compounds were not detected on the primary column in most of the samples; therefore, no confirmation analyses were performed. The final data user should be aware that the interferent mass may have masked some target compound peaks.

- Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

Some data were rejected due to quality control outliers. Rejected data, presented in the table below, are not usable. Results with LODs that exceed project criteria may be usable for their intended purposes; however, it is dependent on the final data user to make this determination on a case-by-case basis. All remaining results are usable for their intended purposes as qualified by MEC^X.

Site	Sample	SDG	Analyte	Reason
68	068SS-0003M-0001-SO	240-17317-1	n-Nitrosodiphenylamine	Calibration
	068SD-0009-0001-SO	240-17422-1	3,3'-Dichlorobenzidine	MS/MSD
			hexachlorocyclopentadiene	Calibration
69	069SB-0013M-0001-SO	240-17602-1	n-Nitrosodiphenylamine	Calibration
	069SS-0001M-0001-SO	240-17525-1	Benzoic Acid	MS/MSD
	069SS-0001M-0001-SO	240-17525-1	3,3'-Dichlorobenzidine	MS/MSD
	069SS-0001M-0001-SO	240-17525-1	n-Nitrosodiphenylamine	Calibration

Site	Sample	SDG	Analyte	Reason
73	073SB-0038M-0001-SO	240-22663-2	Benzoic Acid	LCS
	073SS-0002M-0001-SO	240-17442-1	Antimony	MS/MSD
74	074SB-0010-0001-SO	240-22804-1	Benzoic Acid	LCS
76	076SB-0102M-0001-SO	240-18544-1	n-Nitrosodiphenylamine	Calibration
	076SB-0114M-0001-SO	240-18544-1	n-Nitrosodiphenylamine	Calibration
	076SD-0009-0001-SO	240-17317-1	Antimony	MS/MSD
			3,3'-Dichlorobenzidine	MS/MSD
			3-Nitroaniline	MS/MSD
			4-Nitroaniline	MS/MSD
	076SS-0020M-0001-SO	240-17422-1	3,3'-Dichlorobenzidine	MS/MSD
			3-Nitroaniline	MS/MSD
79	079SB-0234M-0001-SO	240-22381-1	Antimony	MS/MSD
	079SB-0236M-0001-SO	240-22381-1	Antimony	MS/MSD

TABLE OF CONTENTS

TABLES

APPENDICES

ACRONYMS AND ABBREVIATIONS

ADR	Automated Data Review
AST	Aboveground Storage Tank
°C	Degrees Celsius
CCB	Continuing Calibration Blank
CCC	Calibration Check Compounds
CCV	Continuing Calibration Verification
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CR	Compliance Restoration
CT	CT Laboratories
%D	Percent Difference
DL	Detection Limit
DoD	Department of Defense
EDD	Electronic Data Deliverable
FWQAPP	Facility-Wide Quality Assurance Project Plan
GC/MS	Gas Chromatography/Mass Spectrometry
HHR	Historical Records Review
HTRW	Hazardous, Toxic, Radioactive Waste
ICSA	Interference Check Sample A
ICSAB	Interference Check Sample AB
ICV	Initial Calibration Verification
ICP	Inductively Coupled Plasma
LCG	Louisville Chemistry Guidance
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection
LOQ	Limit of Quantitation
MEC	Munitions and Explosives of Concern
MEC^X	MEC^X, GP
Microbac	Microbac Laboratories
MCL	Maximum Contaminant Level
MRL	Method Reporting Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PAH	Polynuclear Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
RI	Remedial Investigation
RPD	Relative Percent Difference
RRF	Relative Response Factor
RSD	Relative Standard Deviation
RVAAP	Ravenna Army Ammunition Plant
SAIC	Science Applications International Corporation
SAP	Sampling and Analysis Plan
SDG	Sample Delivery Group
SPCC	System Performance Check Compound

SVOC	Semivolatile Organic Compounds
TA	TestAmerica Laboratories
USACE	United State Army Corps of Engineers
USEPA	United State Environmental Protection Agency

1 INTRODUCTION

1.1 Project Overview

The overall objective for the project data described in this document is to define the nature and extent of contamination for the completion of Remedial Investigations (RI) at each Compliance Restoration (CR) site. Project details can be found in the project documents, including *Final Site Inspection and Remedial Investigation Work Plan at Compliance Restoration Sites* (ECC, 2012).

Data described in this report are comprised of samples collected from seven CR sites at the Ravenna Army Ammunition Plant (RVAAP) by Environmental Chemical Corporation (ECC) from November 2012 to August 2013. The number and matrix of the samples, as described in numerous ECC Site Inspection Reports, are as shown below.

Table 1. RI Sites sample counts

Analysis	Soil			Sediment		Surface Water	
	MI	Discrete	Duplicate	Discrete	Duplicate	Discrete	Duplicate
Metals	350	1	31	13	3	17	4
SVOCs	212	34	24	13	3	13	3
Explosives	46	1	8	3	1	3	1
Propellants[1]	84	1	11	3	1	3	1
Volatiles	120	1	16	2	0	2	0
BTEX	1	0	0	0	0	0	0
Pesticides	20	1	6	1	0	1	0
PCBs	108	1	13	8	2	7	2
TPH	2	34	2	0	0	0	0
Hexavalent Chromium	1	0	0	0	0	0	0

1 – nitroguanidine and nitrocellulose
MI – multi-incremental
BTEX – benzene, toluene, ethylbenzene, xylenes
SVOC – semivolatile organic compounds
TPH – total petroleum hydrocarbons

The primary samples were analyzed for one or more of the following parameters by TestAmerica Laboratories, North Canton (TA-North Canton) located in North Canton, Ohio.

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- USEPA SW-846 Method 8270C for semivolatile compounds (SVOCs)
- USEPA SW-846 Method 8015B for total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) and diesel range organics (DRO)
- USEPA SW-846 Method 8081 for pesticides
- USEPA SW-846 Method 8082 for polychlorinated biphenyls (PCBs)
- USEPA SW-846 Method 6020 for metals
- USEPA SW-846 Method 7470A/7471A for mercury

- USEPA SW-846 Method 7196A for hexavalent chromium

TA-North Canton subcontracted the following analyses to TA-West Sacramento:

- USEPA SW-846 Method 8330B for explosive compounds
- USEPA SW-846 8330 Modified for nitroguanidine
- Laboratory Standard Operating Procedure (SOP) WS-WC-0050 for nitrocellulose

The quality assurance (QA) split samples were submitted to Microbac Laboratories (Microbac) in Marietta, Ohio and were analyzed for one or more of the aforementioned parameters. These data are discussed in a separate report (*Ravenna Army Ammunition Plant Compliance restoration Sites Chemical Quality Assurance Report*).

This report details the data validation of approximately 10% of the primary sample data, analysis of field duplicate results, and the determination of data usability of the validated samples. Validation results, field duplicate comparisons and data usability are presented by site, in Sections 4 through 10.

1.2 Previous Activities and Data

The following summary was adapted from the Facility-Wide Sampling and Analysis Plan for Environmental Investigations at the Ravenna Army Ammunition Plant, Ravenna, Ohio (FWQAPP) prepared by Science Applications International Corporation (SAIC), March 2001. AOC-specific information is presented in Sections 4 through 21.

Located in northeastern Ohio on approximately 21,000 acres, RVAAP was established in 1940 to load, store, and demilitarize conventional artillery ammunition, bombs, mines, fuses and boosters, primers and percussion elements. Originally RVAAP operated as two separate units, the Portage Ordnance Depot and the Ravenna Ordnance Plant. During World War II, a contractor operated the Ravenna Ordnance Depot and the government operated the Portage Ordnance Depot. Ordnance production and storage for World War II continued until August 1945, at which time the facility was renamed the Ravenna Arsenal, and the government assumed control of all operations. Then, from 1951 to 1999, the entire facility was operated by contractors. Ordnance production at the facility was phased out and sent to Plum Brook Ordnance Works in Sandusky, Ohio and Keystone Ordnance Works in Meadville, Pennsylvania. All production at the facility had ceased by 1957 and the plant was placed on standby. In 1961, the plant was operational for seven months, processing and performing explosive melt-out of bombs. After deactivation late in 1961, the facility was renamed RVAAP. From mid-1968 until 1971, the plant was reactivated to load, assemble, and pack munitions on three load lines and two component lines. Operations ceased at Load Lines 1, 2, 3, and 4 in 1971; however, the Lines were reactivated to perform demilitarization operations for several months in 1973 and 1974. In 1992, RVAAP was again placed on inactive status. Salvage and demolition operations started in 1998 and administrative control of the facility was transferred to the Ohio Army National Guard in 1999.

Since 1978, approximately 20 environmental condition investigations have been performed at RVAAP. Only a portion of these investigations are discussed below.

2 DESCRIPTION OF WORK PERFORMED

This section describes the data verification and data validation procedures used during the evaluation of the site samples reported in 35 sample delivery groups (SDGs) from TA-North Canton.

2.1 Data Validation Process

Level IV validation was performed on approximately 10% of the total number of primary samples collected. Primary samples with associated QA and field duplicate samples were prioritized for Level IV validation; however, not all samples validated at Level IV had associated QA or field duplicate samples.

Data validators assessed results based on the FWQAPP, Department of Defense Quality Systems Manual for Environmental Laboratories Version 4.2 (DoD QSM), Louisville DoD Quality Systems Manual Supplement, Version 1 (LS), the specific EPA methods, the National Functional Guidelines for Superfund Organic Methods Data Review (2008), and the National Functional Guidelines for Inorganic Superfund Data Review (2010). The following were reviewed for Level IV validation:

- Sample management (collection techniques, sample containers, preservation, handling, transport, chain-of-custody, holding times),
- Calibration results (initial, continuing, and method reporting limit),
- Method and calibration blank sample results,
- Laboratory control sample (LCS) or LCS/LCS duplicate (LCS/LCSD) recoveries and/or precision,
- Surrogate recoveries (if applicable),
- Metals interference check sample results
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries and precision,
- Laboratory duplicate precision
- Post digestion spike accuracy,
- Serial dilution precision,
- Field QA/QC sample results (equipment rinsate, field blank, trip blank)
- Gas Chromatography/Mass Spectrometry (GC/MS) or inductively coupled plasma (ICP) MS tuning,
- Internal standards performance,
- Sample results verification,
- Target compound identification,
- Raw data.

Blanks – method, calibration, trip, field and equipment – were assessed using the National Functional Guidelines 5× and 10× rules. Target compound detections less than or equal to 5× a blank detections and common laboratory contaminant compound detections less than or equal to 10× a detections detect were qualified as nondetected. Nondetected results were reported at

the limit of detection if the original detections was less than or equal to the limit of detection or reported at the level of contamination if the original detect was greater than the limit of detection.

2.2 Data Validation Qualifiers

Data qualifiers, as defined below, were applied following the FWQAPP and the DoD QSM:

U Nondetected at the limit of detection
The analyte was analyzed for but not definitively detected.

J Estimated
The identification of the analyte is acceptable but the quality assurance criteria indicate that the quantitative values may be outside the normal expected range of precision. Additionally used to identify detects reported below the limit of quantitation (LOQ).

N Identity Presumptive and Tentative
There is presumptive evidence that the analyte is present but it has not been confirmed. There is an indication that the reported analyte is present; however, all quality control requirements necessary for confirmation were not met.

R Rejected
Data are considered to be rejected and shall not be used for environmental decisions.

2.3 Data Validation Flagging Codes

The qualification codes in the following table may have been used to flag the data described in this document: Sample qualifications are summarized in Appendix B. All qualifications and associated qualification codes have been entered into the electronic data deliverables (EDD) received from the laboratories and may be reviewed Appendices A and B of this report.

Table 2. Qualification code reference table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.
C	Calibration %RSD or %D was noncompliant. MRL was outside control limits or missing.	Correlation coefficient was noncompliant. MRL was outside control limits or missing.
R	Calibration RRF was noncompliant.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Control Sample/Control Sample Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP or ICPMS ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	ICPMS tuning was noncompliant
T	Presumed contamination as indicated by the trip blank results.	Not applicable.
+	False positive – reported compound was not present.	False positive – reported compound was not present.
-	False negative – compound was present but not reported.	False negative – compound was present but not reported.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*II, *III	A deficiency was found that has been described in the "Sample Management," section (*II) or the "Method Analyses" section (*III).	A deficiency was found that has been described in the "Sample Management," section (*II) or the "Method Analyses" section (*III).

3 DATA ACQUISITION ACTIVITIES

3.1 Sample Collection

Samples were collected from November 2012 to August 2013. The samples were submitted under chain-of-custody to the primary laboratory, TA-North Canton.

Site specific observations are noted in Sections 4 through 10. Unless noted in Sections 4 through 10, the chains-of-custody associated with the samples validated at Level IV were appropriately signed by both field and/or laboratory personnel with all samples and analyses accounted for, cooler custody seals intact, and within the temperature limits of 4±2°C. All documentation regarding sample handling as presented in the case narratives, chains-of-custody, correspondence, and sample condition upon receipt forms was evaluated. Unless noted in Sections 4 through 10, no additional requests were made to the primary contractor or the laboratories.

3.2 Sample Analysis

The primary laboratories, or their subcontractors, analyzed the samples shown in Table 1 for the methods described in Section 1.1.

3.3 Data Completeness

As noted in sections 4 through 10, portions of some metals data were incomplete. The laboratory was requested to provide the missing deliverables, and unless noted in Sections 4 through 10, these missing data were provided.

3.4 Sample Preservation and Holding Time Requirements

All method preservation requirements were met. The extraction and analytical holding times for the soil analyses validated in this document are listed in the table below.

Table 3. Holding times

Method	Analysis	Holding Time	
		Extraction	Analysis
6010C/6020	Metals	N/A	180 days
7471A	Mercury	N/A	28 days
8260B/8260C	VOCs	N/A	14 days
8270C	SVOCs	14 days	40 days
8015B/8015C	TPH-GRO	N/A	14 days
8015B/8015C	TPH-DRO	14 days	40 days
8081/8081B	Pesticides	14 days	40 days
8082/8082A	PCBs	14 days	40 days
8330B	Explosives	14 days	40 days
8330	Nitroguanidine	14 days	40 days
9056M/WS-WC-0050	Nitrocellulose	N/A	28 days
7196A	Hexavalent chromium	30 days	24 hours

Qualifications applied for missed holding times are discussed by Site in Sections 4 through 10.

3.5 Detection Limit Requirements

Limits of detection (LODs) and detection limits (DLs) for nondetected analytes were compared against the most stringent criteria listed in Tables 5-8, 5-9, and 5-10 of the *Final Facility-Wide Human Health Cleanup Goals for the Ravenna Army Ammunition Plant* (2010), the USEPA Regional Screening Levels (RSLs), or the Maximum Contaminant Levels (MCLs) for surface waters.

Some LODs and DLs exceeded the cleanup goals (CUGs) or project criteria. These exceedances are reported by site in Sections 4 through 10. Results with DLs exceeding project criteria may be usable for their intended purposes; however, it is dependent on the final data user to make this determination on a case-by-case basis.

4 ELECTRIC SUBSTATIONS, RVAAP-68

4.1 Current Investigation

ECC completed an RI at the Electric Substations (RVAAP-68). The work was in accordance with the *Site Inspection and Remedial Investigation Work Plan* (ECC 2012) and the *Facility-Wide Sampling and Analysis Plan* (FWSAP) (SAIC 2011). RVAAP-68 consists of three inactive properties – East Substation, West Substation, and Substation Number 3. No equipment remains at these properties. An historical records review (HRR) indicated that contaminants from unreported spills, or leaks from electrical equipment or lead acid batteries may have affected the site.

The data validated in this report are part of the intrusive RI at RVAAP-68 conducted to assess the potential presence of contamination. The sample counts, samples selected for data validation, and the field duplicates are presented in the tables below.

Table 4. Total sample count for RVAAP-68

Matrix	Primary Samples	Field Duplicates	Split Samples	Primary Sample Counts						
				Explosives	Propellants	Pesticides	PCBs	SVOCs	VOCs	Metals
Soil	38	4	3	4	4	4	38	38	5	38
Sediment	3	1	0	--	--	--	3	3	--	3
Water	3	1	0	--	--	--	3	3	--	3

Table 5. RVAAP-68 validated samples and methods

Sample ID	SDG	Matrix	Collected	Explosives	Propellants	PCBs	SVOCs	VOCs	Metals
068SS-0003M-0001-SO	240-17317-1	Soil	11/6/2012	x	x	x	x	x	x
068SD-0009-0001-SO	240-17422-1	Sediment	11/8/2012	--	--	x	x	--	x
068SW-0016-0001-SW	240-17477-1	Water	11/8/2012	--	--	x	x	--	x
068SB-0053M-0001-SO	240-22648-1	Soil	3/29/2013	--	--	x	x	--	x

Table 6. RVAAP-68 field duplicate samples

Duplicate Sample ID	Parent Sample
068SS-0004M-0001-SO	068SS-0003M-0001-SO
068SD-0010-0001-SO	068SD-0009-0001-SO
068SW-0014-0001-SW	068SW-0013-0001-SW
068SB-0022M-0001-SO	068SB-0019M-0001-SO
068SB-0036M-0001-SO	068SB-0035M-0001-SO
068SB-0054M-0001-SO	068SB-0053M-0001-SO

4.1.1 Sample Collection

The chains-of-custody were appropriately signed and dated by field and laboratory personnel. According to the laboratory Sample Receipt Forms, custody seals were not utilized; however, in reviewing the relinquish and receipt times, it appeared the samples were transferred to the laboratory by courier. A correction made to the chain-of-custody in SDG 240-17422 was made by obliterating the original entry. The correction was not initialed or dated. No other sample collection issues were noted.

4.1.2 Data Completeness

Data completeness for the project described in this report was found to be generally acceptable as no deliverables were missing from the SDGs reviewed.

4.1.3 Preservation and Holding Time Requirements

The samples were received within the temperature limits of 4 ±2^{o}C control limit. All remaining method preservation requirements were met. All holding times, as listed in Table 3, were met.

4.1.4 Detection Limit Requirements

LODs and DLs for nondetected analytes were compared against the most stringent CUGs listed in Tables 5-8, 5-9, and 5-10 of *Final Facility-Wide Human Health Cleanup Goals for the Ravenna Army Ammunition Plant* (2010) or the RSLs if no CUG was listed. Three surface water SVOCs (benzo(b)fluoranthene, indeno (1,2,3-cd)pyrene, benzo(a)anthracene) had LODs and DLs that exceeded the CUGs. Results with DLs exceeding project criteria may be usable for their intended purposes; however, it is dependent on the final data user to make this determination on a case-by-case basis.

4.2 RVAAP-68 Data Quality Evaluation

This section summarizes the data quality of validated samples for each analytical method evaluated.

4.2.1 Explosives

A total of 4 primary soil samples and 2 field duplicate sample were analyzed by TA-West Sacramento for explosives by USEPA SW-846 Method 8330B. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration:

  - The primary column initial calibration average percent relative standard deviations (%RSDs) for RDX and 2-nitrotoluene exceeded the control limit at 20% and 16%, respectively; therefore, the nondetected results for these compounds were qualified as estimated, "UJ," in 068SS-0003M-0001-SO. The qualified results were coded with a "C" qualification code. The remaining initial calibration average %RSDs were within the control limits listed in DoD QSM Table F-3 of ≤15%, or the linear regression r^2 values were ≥0.990.

  - The second source initial calibration verification (ICV) standard recoveries were within the control limit listed in DoD QSM Table F-3 of ±20%.

  - The continuing calibration verification (CCV) standard %Ds were within the control limits listed in DoD QSM Table F-3 of ±20%.

  - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. Low-level MRL standards were analyzed in association with the validated samples and the results were within the reasonable control limits of 70-130%.

- Blanks: Tetryl was detected in the method blank analyzed on the confirmation column. The tetryl peak was the second of a pair of small incompletely resolved peaks and was very similar to the peak identified in sample 068SS-00003M-0001-SO. Due to this similarity, tetryl reported in the sample was qualified as nondetected, "U," at the LOD. The qualified result was coded with a "B" qualification code. The method blanks associated with the validated sample had no other target compound detects above the control limit listed in DoD QSM Table F-3 of one-half the limit of quantitation (LOQ).

- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Tables G-2 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%).

- Surrogate Recovery: As no surrogate control limit was listed in the DoD QSM, surrogate recoveries were assessed against the reasonable laboratory-established control limits of 78-118%. The confirmation column surrogate recovery exceeded the control limit at 258%; however, as there were not retained detects, no qualification was necessary. The primary column recovery was within the control limits.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 068SS-0003M-0001-SO. Recoveries were within the control limits listed in DoD QSM Tables G-2 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%). The RPDs were within the control limit listed in DoD QSM Table F-3 of ≤20%.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the sample and a portion of the LCS and MS/MSD results. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Confirmation analyses were performed.

  Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in samples 068SS-0003M-0001-SO. As there were no detects for these compounds; the reviewer chose to report the results with the lowest LODs. The 8330B results for all three analytes were rejected, "R," as duplicate data and coded with a "D" qualification code.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed for the initial calibrations and some QC samples. All manual integrations were performed in order to report incompletely resolved peaks or to account for baseline anomalies and were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with the validated sample. There were no detects in the field QC samples.

  - Field Duplicates: One field duplicate sample was collected and analyzed for explosive compounds. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

4.2.2 Propellants

A total of 4 primary soil samples and 1 field duplicate were analyzed by TA-West Sacramento for nitroguanidine by USEPA SW-846 Method 8330 and for nitrocellulose by laboratory SOP WS-WC-0050. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration:
    - The nitroguanidine initial calibration average percent %RSD was within the control limit listed in DoD QSM Table F-2 of ≤20%. Nitrocellulose linear regression r values were within the control limit listed in the DoD QSM Table F-11 of ≥0.995.
    - The nitroguanidine second source ICV recovery was within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose ICV recovery was reported to be 192% in the ICV associated with the validated sample; however, the ICV appeared to have been spiked at the usual 1 ppm level and was recovered within the control limits listed in DoD QSM Table F-11 of 90-110%.
    - The nitroguanidine CCV recoveries were within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose CCV recovery was within the control limits listed in DoD QSM Table F-11 of 90-110%.
    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. The MRL recoveries associated with the sample were within the reasonable control limits of 70-130%.
- Blanks: The method blanks had no target compound detects above the control limits listed in DoD QSM Tables F-2 and F-11 of one-half the LOQ.
- Laboratory Control Samples: No nitroguanidine or nitrocellulose LCS control limits are listed in the DoD QSM; therefore, the laboratory control limits were used to assess the results. All nitroguanidine recoveries were within the control limits of 72-121%. The nitrocellulose recoveries were within the laboratory-established control limits of 34-115%.
- Surrogate Recovery: A surrogate was not required for the analysis of nitroguanidine or nitrocellulose.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 068SS-0003M-0001-SO for both propellants. The recoveries were within the laboratory-established control limits of 72-121% for nitroguanidine. Both nitrocellulose recoveries were below the control limits of 34-115%, at 32% each; therefore, nitrocellulose detected in 068SS-0003M-0001-SO was qualified as estimated, “J,” and coded with a “Q” qualification code. Both RPDs were ≤20%.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for those samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Nitroguanidine was not detected in the validated sample; therefore, confirmation analysis was not required.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed for nitroguanidine. The manual integrations were performed to correct baseline integration. The manual integrations were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with the validated sample in RVAAP-68. There were no detects in the field QC samples.

  - Field Duplicates: One field duplicate sample was collected and analyzed for propellants. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

4.2.3 Polychlorinated Biphenyls (PCBs)

A total of 38 primary soil samples, 4 soil field duplicates samples, 3 primary sediment samples, 1 sediment field duplicate sample, 3 primary surface water samples, and 1 surface water field duplicate sample were analyzed by TA-North Canton for PCBs by USEPA SW-846 Method 8082. A total of 2 primary soil samples, one primary sediment sample, and one primary surface water sample were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Calibration criteria were met, with the exception noted below.

- Initial calibration average %RSDs were within the control limit listed in the DoD QSM Table F-2 of ≤20%, or the correlation coefficients were ≤0.990.

- The second source ICV recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20% for all applicable Aroclors, with the exception of Aroclor 1221 in the ICV associated with sample 068SB-0053M-0001-SO. One of three peaks for Aroclor 1221 on the CLP-1 column was missed by the data system due to coelution, and was not manually integrated. The CLP-2 column ICV for Aroclor 1221 was acceptable. The nondetected result for Aroclor 1221 in sample 068SB-0053M-0001-SO was qualified as estimated, "UJ," and coded with a "C" qualification code.

- The CCV standard recoveries affecting sample results were within the control limit listed in the DoD QSM Table F-2 of ±20%. A few individual Aroclor peak %Ds exceeded the control limit; however, as they were associated with high recoveries, the nondetected sample results were not qualified.

- MRL standard recoveries affecting sample results were within the reasonable control limit of ±30%. A few recoveries were nominally above the control limit; however, as there were no detects in the site samples, no qualifications were applied.

- Blanks: The method blanks associated with the validated samples had no target compound detects above the control limit listed in the DoD QSM Table F-2 of one-half the LOQ for target compounds.

- Laboratory Control Samples: Recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Tables G-16 and G-17.

- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 60-125% for soil and 40-135% for water.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on samples 068SS-0003M-0001-SO, 068SD-0009-0001-SO, and 068SW-0016-0001-SW. Recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Table G-17. The RPDs were within the control limit listed in DoD QSM Table F-2 of ≤30%.

- Compound Identification: Compound identification was verified for the validated samples. Review of the sample chromatograms, standards, and retention times indicated no problems with target compound identification. The samples were analyzed on two analytical columns; however, the samples had no Aroclor detects.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated samples. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data associated with the sample data, primarily due to poor baseline integration or incorrectly split peaks. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with validated sample 068SS-0003M-0001-SO in RVAAP-68. There were no detects above the DL in the field QC samples.

    - Field Duplicates: Four soil, one sediment, and one surface water field duplicate samples were collected and analyzed for PCBs. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. The results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

4.2.4 Semivolatile Organic Compounds (SVOCs)

A total of 38 primary soil samples, 4 soil field duplicates samples, 3 primary sediment samples, 1 sediment field duplicate sample, 3 primary surface water samples, and two surface water field duplicate samples were analyzed by TA-North Canton for SVOCs by USEPA Method 8270C. A total of 2 primary soil samples, one primary sediment sample, and one primary surface water sample were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The DFTPP tunes met the method abundance criteria. The samples were analyzed within 12 hours of the DFTPP injection time.

- Calibration: Calibration criteria listed in the DoD QSM Table F-4 were met, with exceptions affecting sample results noted in the tables below.

    - Initial calibration average RRFs and ICV and CCV RRFs were within method control limits of ≥0.050. All initial calibration %RSDs were within the control limits of ≤30% for calibration check compounds (CCCs) and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.

- All second source ICV standard recoveries affecting sample data were within the control limit of ±20%.

- Continuing calibration %Ds affecting sample results were within the control limit of ≤20%.

- Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries were within the reasonable control limit of ±30%, with exceptions noted in the table below. Results detected at concentrations more than 10× the LOQ were not qualified as it was the reviewer's professional opinion the CCVs were more indicative of instrument performance relative to the sample. The nondetected result for n-nitrosodiphenylamine and hexachlorocyclopentadiene were rejected, "R," in the affected samples and the remaining results listed in the table below were qualified as estimated, "UJ," for nondetects and, "J," for detects. All qualified results were coded with a "C" qualification code.

Samples qualified for MRL %R outliers		
Analyte	**%R**	**Qualified Samples**
2,4-dinitrophenol	50%	068SS-0003M-0001-SO
hexachloroethane	69%	
dibenz(a,h)anthracene	240%	
n-nitrosodiphenylamine	**0%**	
4,6-dinitro-2-methylphenol	59%	
benzo(g,h,i)perylene	58%	068SD-0009-0001-SO
dibenz(a,h)anthracene	65%	
2,4-dinitrophenol	68%	
Indeno(1,2,3-cd)pyrene	66%	
hexachlorocyclopentadiene	**0%**	
2,4-dinitrophenol	61%	068SB-0053-0001-SO

- Blanks: Bis(2-ethylhexyl)phthalate was detected in several soil method blanks at 20.5, 22.4, and 22.1 µg/Kg; therefore, bis(2-ethylhexyl)phthalate detected in 068SS-0003M-0001-SO, 068SB-0053M-0001-SO, and 068SD-0009-0001-SO was qualified as nondetected, "U," at the levels of contamination. The qualified results were coded with a "B" qualification code. The remaining method blanks associated with the validated samples had no target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ for target compounds, and no common laboratory contaminants detected above the LOQ.

- Laboratory Control Samples: All LCS recoveries were within the control limits listed in DoD QSM Tables G-2 (poor performers), G-6 (water), and G-7 (soil). The reviewer noted hexachlorocyclopentadiene was not spiked in the LCS. Additionally, the LCS associate with sample 068SD-0009-0001-SO reported no recovery of benzoic acid. Upon review of the raw data, the reviewer determined that benzoic acid was spiked below the LOD but was acceptably recovered.

- Surrogate Recovery: All surrogate recoveries were within the control limits listed in the DoD QSM Tables G-2 (poor performers) or G-3.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on validated samples 068SS-0003M-0001-SO, 068SD-0009-0001-SO and 068SW-0016-0001-SW. Except as noted below, the recoveries were within the control limits listed in DoD QSM Tables G-2 (poor performers), G-6 (water) and G-7 (soil). The reviewer noted hexachlorocyclopentadiene was not spiked in the MS/MSD. Except as noted below, the RPDs were within the control limit of ≤30% listed in DoD QSM Table F-4.

  The MS/MSD of 068SD-0009-0001-SO and 068SS-0003M-0001-SO reported no recovery of benzoic acid. Upon review of the raw data, the reviewer determined that benzoic acid was spiked below the LOD but was acceptably recovered in both the MS and MSD of 068SD-0009-0001-SD and the MS of 068SS-0003M-0001-SO.

  Results were not qualified for recovery outliers unless both recoveries were outside the control limits. Nondetected results associated with compounds exhibiting no recovery were rejected, "R." The remaining results listed in the table below, all nondetects, were qualified as estimated, "UJ." All qualified results were coded with a "Q" qualification code.

MS/MSD recovery and RPD outliers				
Parent Sample	**Analyte**	**MS/MSD %R**	**RPD**	**Control Limits**
068SS-0003M-0001-SO	benzoic acid	acceptable, 0%	200%	0-110%
	3,3'-dichlorobenzidine	4%, 6%	acceptable	10-130%
068SD-0009-0001-SO	4-chloroaniline	9%, acceptable%	74%	10-95%
	3,3'-dichlorobenzidine	0%, 0%	acceptable	10-130%
	3-nitroaniline	9%, 17%	64%	25-110%
	4-nitroaniline	21%, 23%	acceptable	35-115%
068SW-0016-0001-SW	1,4-dichlorobenzene	acceptable	33%	N/A
	1,3-dichlorobenzene	acceptable	33%	N/A
	1,2-dichlorobenzene	acceptable	34%	N/A
	dibenz(a,h)anthracene	acceptable	86%	N/A
	bis(2-chloroethyl)ether	acceptable	35%	N/A
	benzo(g,h,i)perylene	acceptable	31%	N/A
	di-n-octyl phthalate	acceptable	38%	N/A
	hexachlorobutadiene	acceptable	31%	N/A
	indeno(1,2,3-cd)pyrene	acceptable	34%	N/A
	1,2,4-trichlorobenzene	acceptable	31%	N/A
	hexachloroethane	acceptable	31%	N/A
	bis(2-chloroisopropyl)ether	acceptable	35%	N/A

- Internal Standards Performance: The internal standard area counts and retention times were within the DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the samples validated at Level IV. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the samples, calibration, and QC data associated with the sample data, primarily to split incompletely resolved peaks, identify missed peaks, or resolve poor baseline integration. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with the sample 068SS-0003M-0001-SO. There were no detects in the field QC samples.

    - Field Duplicate Samples: Four soil field duplicate samples, one sediment field duplicate sample, and two surface water field duplicate samples were collected and analyzed for SVOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, the results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

SVOC field duplicate outliers			
Field Duplicate Pair	**Analyte**	**RPD**	**W/In LOQ**
068SD-0009-0001-SO/ 068SD-0010-0001-SO	Chrysene	N/A	No
	Pyrene	N/A	No
068SS-0003M-0001-SO/ 068SS-0004M-0001-SO	Benzo(g,h,i)perylene	N/A	No
	Benzo(k)fluoranthene	N/A	No
	Dibenz(a,h)anthracene	N/A	No
	Indeno(1,2,3-cd)pyrene	N/A	No
	Phenanthrene	N/A	No
068SW-0013-0001-SW/ 068SW-0014-0001-SW	Bis(2-ethylhexyl)phthalate	N/A	No

4.2.5 Volatile Organic Compounds (VOCs)

A total of 5 primary soil samples and 1 field duplicate sample were analyzed by TA-North Canton for volatile compounds by USEPA Method 8260B. A single soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- GC/MS Tuning: The BFB tunes met the method abundance criteria. The samples were analyzed within 12 hours of the BFB injection time.
- Calibration: Calibration criteria listed in DoD QSM Table F-4 were met.
    - Initial calibration average RRFs and ICV and CCV RRFs were within the control limits of ≥0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane, and ≥0.10 for chloromethane, bromoform, and 1,1-dichloroethane.
    - All initial calibration %RSDs were within the method control limits of ≤30% for the CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.
    - All second source initial calibration verification standard recoveries were within the control limit of ±20%.
    - Continuing calibration %Ds affecting validated sample data were within the control limit of ≤20%
    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%. Several recoveries were marginally above the control limits; however, none of the compounds with high recoveries were detected in the associated sample.
- Blanks: The method blank associated with the validated sample had no target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ, and no common laboratory contaminants detected above the LOQ. The method blank had detects below the LOQ for acetone at 6.33(J) µg/Kg, 2-hexanone at 0.802(J) µg/Kg, and methylene chloride at 1.54(J) µg/Kg; however, none of the method blank contaminants were detected in the validated sample.
- Laboratory Control Samples: LCS recoveries were within the control limits listed in DoD QSM Table G-4.
- Surrogate Recovery: Surrogate recoveries were within the control limits listed in DoD QSM Table G-3.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on validated sample 068SS-0003M-0001-SO. Qualifications were assigned only for outliers present in

both the MS and MSD. The following were recovered below the control limits of 75-125%: chlorobenzene at 57% and 67%, ethylbenzene at 53% and 66%, styrene at 54% and 66%, and total xylenes at 52% and 64%. Parent sample results for the compounds with recovery outliers, all nondetects, were qualified as estimated, "UJ," and coded with a "Q" qualification code. Remaining recoveries were within the control limits listed in DoD QSM Table G-4, and all RPDs were within the control limit listed in DoD QSM Table F-4, of ≤30%.

- Internal Standards Performance: The internal standard area counts and retention times were within DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: -50% / +100% for internal standard areas and ±30 seconds for retention times.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatogram, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual integrations: Manual integrations were not performed for the validated sample or for associated calibration and QC samples.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Trip Blanks: The trip blank associated with the validated sample in this SDG had no reportable.

    - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with validated sample 068SS-0003M-0001-SO in RVAAP-68. The field blank had detects below the LOQ for acetone at 2.1(J) µg/L and 2-butanone at 1.2(J) µg/L, and detects above the LOQ for the following compounds: bromodichloromethane at 3.6 µg/L, chloroform at 5.3 µg/L, dibromochloromethane at 1.3 µg/L, and toluene at 1.5 µg/L. The equipment rinsate had a detect for chloroform below the LOQ at 0.61(J) µg/L. None of the field QC contaminants were detected in the validated sample. There were no other detects above the DL in the field QC samples.

    - Field Duplicate Samples: One field duplicate sample was collected and analyzed for VOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when

results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

4.2.6 Metals

A total of 38 primary soil samples, 4 soil field duplicates samples, 3 primary sediment samples, 1 sediment field duplicate sample, 3 primary surface water samples, and 1 surface water field duplicate sample were analyzed by TA-North Canton for metals by USEPA Methods 6020 and 7470A/7471A. A total of 2 primary soil samples, one primary sediment sample, and one primary surface water sample were validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration: Except as noted below, calibration criteria were met.
    - As per DoD QSM Table F-8, the mass calibrations were ≤0.1 amu of the true values and the resolutions were <0.9 amu at full width at 10% peak height. Except as noted below, the %RSDs were within the control limit listed in the DoD QSM Table F-8 of ≤5%. The detected results listed in the table below were qualified as estimated, "J," nondetected as "UJ." All results were coded with an "M" qualification code.

Samples qualified for tune %RSD outliers		
Analyte	**%RSD**	**Qualified Samples**
^{78}Selenium	20.427%	068SS-0003M-0001-SO
	11.586%	068SD-0009-0001-SO
	8.029%	068SW-0016-0001-SW
^{137}Barium ratio	5.3446%	
^{137}Barium	91.287%	068SB-0053M-0001-SO
^{138}Barium	19.999%	

    - Initial calibration: The mercury linear regression correlation coefficients were within the control limit listed in the DoD QSM Table F-7 of ≥0.995. The ICPMS analytes used a single point calibration.
    - The ICPMS ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-8 of 90-110%. The mercury ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-7 of 90-110% and 80-120%, respectively.
    - Except as noted below, CRI/MRL recoveries affecting sample results were within the control limits listed in DoD QSM Tables F-7 and F-8 of 80-120%. If the sample result was more than 10× the LOQ, it was the reviewer's professional opinion that the CCVs were more indicative of instrument performance.

      Results listed in the table below were qualified as estimated, "J," for detects and, "UJ," for nondetects. All qualified results were coded with a "C" qualification code. When no

other qualifications with conflicting bias were assigned, the results were qualified as estimated with a potential positive bias, "J+."

Samples qualified for CRI recovery outliers		
Analyte	**Recovery**	**Qualified Samples**
Thallium	121%	068SD-0009-0001-SO
Iron	121%	068SW-0016-0001-SW
Mercury	72%	

- Blanks: Except as noted below, method blanks had no applicable detects above the control limits listed in DoD QSM Tables F-7 and F-8 of one-half the LOQ or greater than one-tenth the amount measured in any sample and CCBs had no applicable detects above the control limit of >LOD. Results in the table below, all detects, were qualified as nondetected, "U," at the level of contamination if detected above the LOD or at the LOD if detected below. The qualified results were assigned a "B" qualification code.

Samples qualified for method blank detects				
Analyte	**Detect (µg/L or mg/kg)**	**LOQ(µg/L or mg/kg)**	**Sample Detect (µg/L or mg/kg)**	**Qualified Samples**
Mercury	0.0276	0.095	0.079	068SD-0009-0001-SO
	0.0245	0.098	0.046	068SS-0003M-0001-SO
Thallium	0.348	2.0	0.43	068SW-0016-0001-SW
Zinc	10.4	40	12	

- Interference Check Samples: ICPMS ICSA and ICSAB recoveries were within the control limits listed in DoD QSM Table F-8 of 80-120%. As most interferents were present in the samples at concentration less than 50% of the ICSA, the samples were not assessed for possible matrix interference.

- Laboratory Control Samples: All recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%.

- Laboratory Duplicates: Laboratory duplicate analyses were performed on 076SS-0020M-0001-SO, 073SS-0003M-0001-SO, 068SD-0009-0001-SO, 076SW-0013-0001-SW, 068SW-0016-0001-SW, 068SS-0003M-0001-SO, 076SD-0009-0001-SO, 073SD-0045-0001-SO, 079SB-0061M-0001,0002-SO, 079SB-0070M-0001-SO and 079SB-0072M-0001-SO. The RPD control limits listed in DoD QSM Tables F-7 and F-8 was ≤20%. The results were only assessed for common detects ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, the results were within the control limits.

  Results listed in the table below were qualified as estimated, "J," and coded with an "E" qualification code. As per the *National Functional Guidelines*, all samples in an SDG were qualified; however, the parent samples were qualified only for their own outliers.

Samples qualified for laboratory duplicate RPD outliers			
Parent Sample	**Analyte**	**RPD**	**Qualified samples**
068SD-0009-0001-SO	Manganese	29%	068SD-0009-0001-SO
068SS-0003M-0001-SO		33%	068SS-0003M-0001-SO
073SD-0045-0001-SO	Aluminum	24%	068SB-0053M-0001-SO
	Arsenic	32%	
	Barium	29%	
	Calcium	26%	
	Chromium	25%	
	Cobalt	28%	
	Copper	27%	
	Iron	28%	
	Magnesium	25%	
	Manganese	43%	
	Sodium	22%	
	Nickel	27%	
	Lead	25%	
	Vanadium	26%	
	Zinc	27%	
	Potassium	25%	
079SB-0061M-0001-SO	Calcium	24%	
079SB-0070M-0001-SO	Calcium	21%	

- Matrix Spike/Matrix Spike Duplicate: Matrix spike analyses were performed on 076SS-0020M-0001-SO, 073SS-0003M-0001-SO, 068SD-0009-0001-SO, 076SW-0013-0001-SW, 068SW-0016-0001-SW, 068SS-0003M-0001-SO, 076SD-0009-0001-SO, 073SD-0045-0001-SO, 079SB-0061M-0001-SO, 079SB-0070M-0001-SO, and 079SB-0072M-0001-SO. The results were not assessed when the native sample concentration exceeded the spiked amount by 4× or more. Except as noted in the table below, the recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%.

  Results listed in the table below, all detects, were qualified as estimated, "J." In the absence of qualifications with conflicting bias, the results were qualified as estimated with a potential low bias, "J-," or estimated with a potential high bias, "J+." All qualified results were coded with a "Q" qualification code. As per the *National Functional Guidelines*, all samples in an SDG were qualified; however, the parent samples were qualified only for their own outliers.

Samples qualified for matrix spike recovery outliers			
Parent Sample	**Analyte**	**%R**	**Qualified samples**
068SD-0009-0001-SO	Antimony	23%	068SD-0009-0001-SO
	Arsenic	59%	
	Calcium	73%	
	Lead	73%	
	Selenium	71%	
068SS-0003M-0001-SO	Antimony	25%	068SS-0003M-0001-SO
073SD-0045-0001-SO	Antimony	41%	068SB-0053M-0001-SO
	Arsenic	66%	
079SB-0061M-0001-SO	Antimony	27%	
	Calcium	73%	
	Selenium	60%	
079SB-0070M-0001-SO	Antimony	30%	
	Calcium	140%	
	Selenium	71%	
079SB-0072M-0001-SO	Antimony	30%	
	Arsenic	62%	
	Calcium	49%	
	Selenium	66%	
	Zinc	68%	

All post digestion spike recoveries were within the control limits listed in DoD QSM Table F-8 of 75-125%.

- Serial Dilution: Serial dilution analyses were performed on 076SS-0020M-0001-SO, 076SW-0013-0001-SW, 073SD-0045-0001-SO, 079SB-0061M-0001-SO, 079SB-0070M-0001-SO and 079SB-0072M-0001-SO for the ICPMS analytes. Three zinc %Ds associated with sample 068SB-0053M-0001-SO exceeded the control limit at 11%, 11% and 12%; therefore, the zinc detect in the sample was qualified as estimated, "J," and coded with an "A" qualification code. All remaining %Ds were within the control limits listed in DoD QSM Table F-7 and F-8 of ≤10%. The serial dilution control limit is only applicable when the original sample concentration is minimally ≥50× the LOQ.

- Internal Standards: As per the DOD QSM Table F-8, the ICPMS sample internal standards intensities were within 30-120% of those in the ICV. ^{89}Yttrium was not spiked in sample 068SB-0053M-0001-SO, only for the QC runs.

- Sample Result Verification: For Level IV validation, calculations were verified and the sample results reported on the sample result summary were verified against the raw data. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data.

Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

A 20× dilution was performed on manganese for sample 068SD-0009-0001-SO; and 5× dilutions were performed for antimony, barium, iron, lead, manganese and thallium from sample 068SS-0003M-0001-SO.

- Manual Integrations: No manual integrations were noted in the mercury analyses.
- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:
  - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was identified as the field blank and sample 076-0067-0001-ER was the equipment rinsate associated with sample 068SS-0003M-0001-SO. Sodium was detected at 1600 µg/L in 070-0057-0001-Source Water; therefore, sodium detected in 068SS-0003M-0001-SO was qualified as nondetected, "U," at the level of contamination. The qualified result was coded with an "F" qualification code. There were other detects in the field QC samples, but none at sufficient concentration to qualify the associated sample.
  - Field Duplicate Samples: Six field duplicate samples were collected and analyzed for metals. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, all results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

Metals field duplicate outliers			
Field Duplicate Pair	**Analyte**	**RPD**	**W/In LOQ**
068SB-0035M-0001-SO/ 068SB-0054M-0001-SO	Manganese	53%	N/A
	Calcium	116%	N/A
068SW-0016-0001-SW/ 068SW-0014-0001-SW	Aluminum	N/A	No
	Manganese	32%	N/A
068SS-0003M-0001-SO/ 068SS-0004M-0001-SO	Antimony	N/A	No
	Thallium	N/A	No

4.3 Data Usability

According to the Draft Site Inspection Report prepared by ECC, the field completeness was 100%.

Two data points were rejected for poor MS/MSD recoveries or calibration outliers. In instances where a data point had multiple results, the reviewer chose the most technically sound result to report and rejected the remaining data points. These rejected data points do not affect data quality or usability and are not included in the table below. Data with LODs or DLs that

exceeded the established criteria and data estimated for quality control outliers or for detects between the DL and the LOQ were included in the table below for informational purposes only.

Table 7. Analytical completeness for RVAAP-68 validated primary data

			Number of Results					
Analysis	**Samples Analyzed**	**Analytes per Sample**	**Total**	**Rejected**	**LODs/DLs Exceeding Criteria**	**Estimated for QC Outliers**	**Estimated for Detects <LOQ**	**Percent Complete**
Explosives	1	16	14	0	0/0	3	0	100%
Nitroguanidine	1	1	1	0	0/0	0	0	100%
Nitrocellulose	1	1	1	0	0/0	1	1	100%
PCBs	4	7	28	0	0/0	1	0	100%
SVOCs	4	66	264	2	3/3	30	5	99.2%
VOCs	1	35	35	0	0/0	4	0	100%
Metals	4	23	92	0	0/0	37	10	100%
		Totals	**435**	**2**	**3/3**	**76**	**16**	**99.5%**

The analytical completeness goal for the project established in the FWQAPP was 90% for each method. The completeness goal was met for all analyses.

4.4 Primary and Field Duplicate Comparison Summary

Primary and field duplicate sample comparisons were considered to be in good agreement as only 2.0% of the field duplicate pair results were above the FWQAPP control limit of 50% for soils, 50% for waters, or +/- the LOQ for results below the 5× the LOQ.

Five outliers were for PAH compounds in pair 068SS-0003M-0001-SO/068SS-0004M-0001-SO with all compounds were detected at lower concentrations in the duplicate sample. All comparison results are presented in Appendix C. A summary of the field duplicate results is presented in the table below. Please note that rejected results were not assessed and the rejected analytes do not appear in the “Total Analytes” field.

Table 8. RVAAP-68 primary/field duplicate sample comparison summary

Method	Primary/Field Duplicate Pairs	Number of Analytes	Total Analytes	Number of results within control limits	Number of results above control limit
Explosives	1	16	13	13	0
Nitroguanidine	1	1	1	1	0
Nitrocellulose	1	1	1	1	0
PCBs	6	7	42	42	0
SVOCs	7	66	461	453	8
VOCs	1	35	35	35	0
Metals	6	23	138	132	6
Pesticides	1	21	21	21	0

4.5 Specific Data Concerns

Specific concerns regarding the data are noted below:

- A few LOQs and DLs exceeded the project criteria. These exceedances are detailed in Section 4.2.4.

- Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

In order to avoid repetition of the issues noted above, the following actions should be taken:

- MEC^X recommends the laboratory be requested to alter the IPCMS and mercury instrument set up in order to report mercury and ICPMS raw absorbances and ICPMS ICV, CCV, ICSAB, and MRL concentrations.

5 BUILDING 1048 FIRE STATION, RVAAP-69

5.1 Current Investigation

ECC completed an RI at the Former Building 1048 Fire Station (RVAAP-69). The work was performed in accordance with the *Site Inspection and Remedial Investigation Work Plan* (ECC 2012) and the *Facility-Wide Sampling and Analysis Plan* (SAIC 2011).

A metal shed, designated Building T-4510, was located adjacent to the Building 1048 Fire Station and was used to store carbon tetrachloride and possibly other chemicals. The HHR (SAIC, 2011) recommended further investigation of the area behind Buildings 1048 and T-4510. The data validated in this report are part of the intrusive RI at RVAAP-69 conducted to assess the potential presence of contamination. The sample counts, samples selected for data validation, and the field duplicates are presented in the tables below.

Table 9. Total sample count for RVAAP-69

Matrix	Primary Samples	Field Duplicates	Split Samples	Primary Sample Count						
				Explosives	Propellants	Pesticide	PCBs	SVOCs	VOCs	Metals
Soil	26	1	0	1	1	1	1	26	26	26

Table 10. RVAAP-69 validated samples and methods

Sample ID	SDG	Matrix	Collected	Explosives	Propellants	PCBs	SVOCs	VOCs	Metals
069SS-0001M-0001-SO	240-17525-2	soil	11/11/2012	x	x	x	x	x	x
069SB-0013M-0001-SO	240-17602-1	soil	11/12/2012	--	--	--	x	x	x

Table 11. RVAAP-69 field duplicate samples

Duplicate Sample ID	Parent Sample
069SS-0002M-0001-SO	069SS-0001M-0001-SO

5.1.1 Sample Collection

The chains-of-custody were appropriately signed and dated by field and laboratory personnel. According to the laboratory Sample Receipt Forms, custody seals were not utilized; however, in reviewing the relinquish and receipt times, it appeared the samples were transferred to the laboratory by courier. The following sample collection issues were noted.

- Some corrections made to the chains-of-custody were properly made but were not dated.

- Some corrections were made by overwriting or obliterating the original entry. These corrections were not initialed or dated.

5.1.2 Data Completeness

Data completeness for the project described in this report was found to be generally acceptable as no deliverables were missing from the SDGs reviewed.

5.1.3 Preservation and Holding Time Requirements

A portion of the samples were received at temperatures nominally below the 4±2^{o}C control limit; however, as the samples were not noted to be frozen or damaged, no qualifications were required. All remaining method preservation requirements were met. Holding times, as listed in Table 3, were met.

5.1.4 Detection Limit Requirements

LODs and DLs for nondetected analytes were compared against the most stringent CUGs listed in Tables 5-8, 5-9, and 5-10 of *Final Facility-Wide Human Health Cleanup Goals for the Ravenna Army Ammunition Plant* (2010) or the RSLs if no CUG was listed. Two SVOCs (dibenz(a,h)anthracene and n-nitroso-di-n-propylamine) had LODs and DLs that exceeded the CUGs. Results with DLs exceeding project criteria may be usable for their intended purposes; however, it is dependent on the final data user to make this determination on a case-by-case basis.

5.2 RVAAP-69 Data Quality Evaluation

This section summarizes the data quality of validated samples for each analytical method evaluated.

5.2.1 Explosives

A single primary soil sample and 1 soil field duplicate sample were analyzed by TA-West Sacramento for explosives by USEPA SW-846 Method 8330B. The primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration:
    - The primary column initial calibration average percent relative standard deviations (%RSDs) for RDX and 2-nitrotoluene exceeded the control limit at 20% and 16%, respectively; therefore, the nondetected results for these compounds were qualified as estimated, “UJ,” in 069SS-0001M-0001-SO. The qualified results were coded with a “C” qualification code. The remaining initial calibration average %RSDs were within the control limits listed in DoD QSM Table F-3 of ≤15%, or the linear regression r^2 values were ≥0.990.

- The second source ICV standard recoveries were within the control limit listed in DoD QSM Table F-3 of ±20%.
- The CCV %Ds were within the control limits listed in DoD QSM Table F-3 of ±20%.
- Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. Low-level MRL standards were analyzed in association with the validated samples and the recoveries affecting sample results were within the reasonable control limits of 70-130%.

- Blanks: The method blanks associated with the validated samples had no target compound detects above the control limit listed in DoD QSM Table F-3 of one-half the LOQ.

- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Tables G-2 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%).

- Surrogate Recovery: As no surrogate control limit was listed in the DoD QSM, surrogate recoveries were assessed against the reasonable laboratory-established control limits of 78-118%. The confirmation column recovery was above the control limit at 121%; however, as there were no confirmed compounds, no qualifications were required. The primary column recovery was within the control limits.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 069SS-0001M-0001-SO. Recoveries were within the control limits listed in DoD QSM Tables G-2 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%). The RPDs were within the control limit listed in DoD QSM Table F-3 of ≤20%.

- Compound Identification: Compound identification was verified for those samples validated at Level IV. Review of sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: As no target compounds were reported in the samples validated at Level IV, compound quantification was verified for a portion of the LCS and MS/MSD results. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Confirmation analyses were performed; however, no compounds were confirmed.

  Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in samples 069SS-0001M-0001-SO. As there were no detects for these compounds; the reviewer chose to report the results with the lowest LODs. The 8330B result for nitrobenzene was rejected, "R," as duplicate data and coded with a "D" qualification code. The results for 2,4-dinitrotoluene and 2,6-dinitrotolene were retained.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed. All manual integrations were performed in order to report incompletely resolved peaks, to complete the integrations, or to account for baseline anomalies. All manual integrations were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with the validated sample in RVAAP-68. There were no detects in the field QC samples.

    - Field Duplicates: One field duplicate sample was collected and analyzed for explosive compounds. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

5.2.2 Propellants

A single primary soil sample and 1 soil field duplicate sample were analyzed by TA-West Sacramento for nitroguanidine by USEPA SW-846 Method 8330 and for nitrocellulose by laboratory SOP WS-WC-0050. The primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration:

    - The nitroguanidine initial calibration average percent %RSD was within the control limit listed in DoD QSM Table F-2 of ≤20%. The nitrocellulose linear regression correlation coefficient was within the control limit listed in the DoD QSM Table F-11 of ≥0.995.

    - The nitroguanidine second source ICV recovery was within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose ICV recovery was reported to be 187% in the ICV associated with the validated sample; however, the ICV appeared to have been spiked at the usual 1 ppm level and was recovered within the control limits listed in DoD QSM Table F-11 of 90-110%.

    - The nitroguanidine CCV recoveries were within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose CCV recoveries were within the control limits listed in DoD QSM Table F-11 of 90-110%.

  - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL recoveries associated with the sample were within the reasonable control limits of 70-130%.

- Blanks: The method blanks had no target compound detects above the control limits listed in DoD QSM Tables F-2 and F-11 of one-half the LOQ.

- Laboratory Control Samples: No nitroguanidine or nitrocellulose LCS control limits are listed in the DoD QSM; therefore, the laboratory control limits were used to assess the results. All nitroguanidine recoveries were within the control limits of 72-121% for soils. The nitrocellulose recoveries were within the laboratory-established control limits of 34-115% for soils.

- Surrogate Recovery: A surrogate was not required for the analysis of nitroguanidine or nitrocellulose.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 069SS-0001M-0001-SO for both propellants. The recoveries were within the laboratory-established control limits of 72-121% for nitroguanidine and 34-115% for nitrocellulose. Both RPDs were ≤20%.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for those samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Nitroguanidine was reported on the primary column for sample 069SS-0001M-0001-SO, but was not detected on the confirmation column.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: No manual integrations were reported for nitroguanidine.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with the validated sample in RVAAP-68. There were no detects in the field QC samples.

- Field Duplicates: One field duplicate sample was collected and analyzed for propellants. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Nitroguanidine was detected in the duplicate sample 069SS-0002M-0001-SO above the LOQ but was not detected in the parent sample, 069SS-0001M-0001-SO. The nitrocellulose results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

5.2.3 Polychlorinated Biphenyls (PCBs)

A single primary soil sample and 1 field duplicate sample were analyzed by TA-North Canton for PCBs by USEPA SW-846 Method 8082. The primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration: Calibration criteria were met.
  - Initial calibration average %RSDs were within the control limit listed in the DoD QSM Table F-2 of ≤20%.
  - The second source ICV recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20% for all applicable Aroclors.
  - The CCV standard recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20%.
  - MRL standard recoveries were within the reasonable control limit of ±30%.
- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in the DoD QSM Table F-2 of one-half the LOQ for target compounds.
- Laboratory Control Samples: LCS recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Table G-17.
- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 60-125%.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on the validated sample, 069SS-0001M-0001-SO. Recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Table G-17. The RPDs were within the control limit listed in DoD QSM Table F-2 of ≤30%.
- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatogram, standards, and retention times indicated no problems

with target compound identification. The sample was analyzed on two analytical columns; however, the sample had no Aroclor detects.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data associated with the sample data, primarily to resolve poor baseline integration or correct previously incorrectly split peaks. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with validated sample 069SS-0001M-0001-SO in RVAAP-69. There were no detects above the DL in the field QC samples.

    - Field Duplicates: One field duplicate sample was collected from RVAAP-69 for PCBs. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. The results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

5.2.4 Semivolatile Organic Compounds (SVOCs)

A total of 26 primary soil samples and 1 field duplicate sample were analyzed by TA-North Canton for SVOCs by USEPA Method 8270C. A total of 2 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The DFTPP tunes met the method abundance criteria. The samples were analyzed within 12 hours of the DFTPP injection time.

- Calibration: Calibration criteria listed in the DoD QSM Table F-4 were met, with exceptions affecting sample results noted below.

- Initial calibration average RRFs and ICV and CCV RRFs were within method control limits of ≥0.050. All initial calibration %RSDs were within the control limits of ≤30% for CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.

- The recovery for 3,3'dichlorobenizine was 79% in the ICV associated with sample 069SB-0013M-0001-SO; therefore, the nondetected result for this compound in sample 069SB-0013M-0001-SO was qualified as estimated, "UJ," and coded with a "C" qualification code. The remaining second source ICV standard recoveries affecting sample data were within the control limit of ±20%.

- Continuing calibration %Ds affecting sample results were within the control limit of ≤20%.

- MRL standard recoveries were within the reasonable control limit of ±30%, with the noted exception. Target compound n-nitrosodiphenylamine was not recovered in an MRL associated with samples 069SS-0001M-0001-SO and 069SB-0013M-0001-SO; therefore, the nondetected results for this compound in both samples were rejected, "R," and coded with a "C" qualification code.

- Blanks: Bis(2-ethylhexyl)phthalate was detected in the method blank associated with sample 069SB-0013M-0001-SO; therefore, the detect for this compound in sample 069SB-0013M-0001-SO was qualified as nondetected, "U," at the level of contamination. The qualified result was coded with a "B" qualification code. The method blanks associated with the validated samples had no other target compound detects above the control limits listed in DoD QSM Table B-3 of one-half the LOQ for target compounds, and no common laboratory contaminants detected above the LOQ.

- Laboratory Control Samples: All LCS recoveries were within the control limits listed in DoD QSM Tables G-2 (poor performers) and G-7. The reviewer noted hexachlorocyclopentadiene was not spiked in the LCS. Additionally, the LCS associated with sample 069SS-0001M-0001-SO reported no recovery of benzoic acid. Upon review of the raw data, the reviewer determined that benzoic acid was spiked below the LOD but was acceptably recovered.

- Surrogate Recovery: All surrogate recoveries were within the control limits listed in the DoD QSM Tables G-2 (poor performers) or G-3.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 069SS-0001M-0001-SO. Except as noted below, the recoveries were within the control limits listed in DoD QSM Tables G-2 (poor performers) and G-7 (soil). Except as noted below, the RPDs were within the control limit of ≤30% listed in DoD QSM Table F-4.

  Results were not qualified for recovery outliers unless both recoveries were outside the control limits. Nondetected results associated with compounds exhibiting no recovery were rejected, "R." The remaining results listed in the table below, all nondetects, were qualified as estimated, "UJ." All qualified results were coded with a "Q" qualification code.

MS/MSD recovery and RPD outliers				
Parent Sample	**Analyte**	**MS/MSD %R**	**RPD**	**Control Limits**
069SS-0001M-0001-SO	benzoic acid	0%, 0%	N/A	0-110%
	3,3'-dichlorobenzidine	0%, 0%	N/A	10-130%
	4,6-dinitro-2-methylnaphthalene	acceptable, 0%	200%	30-135%
	4-nitrophenol	acceptable, 0%	200%	15-140%

- Internal Standards Performance: The internal standard area counts and retention times were within the DoD QSM F-4 control limits established by the midpoint initial calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the samples validated at Level IV. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in samples 069SS-0001M-0001-SO. As there were no detects for these compounds; the reviewer chose to report the results with the lowest LODs. The 8270C results for 2,4-dinitrotoluene and 2,6-dinitrotolene was rejected, "R," as duplicate data and coded with a "D" qualification code. The result for nitrobenzene was retained.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at Level IV. All of the samples had a two-milliliter final extract volume, resulting in an effective 2× dilution. Due to the matrix, sample 069SS-0001M-0001-SO was analyzed at a 5× dilution. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the samples, calibration, and QC data associated with the sample data, primarily to split the benzo(b)fluoranthene and benzo(k)fluoranthene peaks and to account for baseline anomalies. All manual integrations reviewed at Level IV were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

- Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with the sample 069SS-0001M-0001-SO. There were no detects in the field QC samples.

- Field Duplicate Samples: One soil field duplicate sample was collected and analyzed for SVOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% for soil samples was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, all results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

SVOC field duplicate outliers			
Field Duplicate Pair	Analyte	RPD	W/In LOQ
069SS-0001M-0001-SO/ 069SS-0002M-0001-SO	Benzo(a)anthracene	N/A	No
	Benzo(b)fluoranthene	N/A	No
	Chrysene	N/A	No
	Fluoranthene	N/A	No
	Pyrene	N/A	No

5.2.5 Volatile Organic Compounds (VOCs)

A total of 26 primary soil samples and 1 field duplicate sample were analyzed by TA-North Canton for volatile compounds by USEPA Method 8260B. A total of 2 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The BFB tunes met the method abundance criteria. The samples were analyzed within 12 hours of the BFB injection time.

- Calibration: Calibration criteria listed in DoD QSM Table F-4 were met with the exception noted below.

  - Initial calibration average RRFs and ICV and CCV RRFs were within the control limits of ≥0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane, and ≥0.10 for chloromethane, bromoform, and 1,1-dichloroethane.

  - All initial calibration %RSDs were within the method control limits of ≤30% for the CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.

  - All second source ICV standard recoveries were within the control limit of ±20%.

  - Continuing calibration %Ds affecting validated sample data were within the control limit of ≤20%, with the exception of the %D of -30.2% for carbon disulfide in the CCV associated with both samples. The nondetected results for carbon disulfide were qualified as estimated, “UJ,” and coded with a “C” qualification code.

- Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%. Several recoveries were marginally above the control limits; however, none of the compounds with high recoveries were detected in the associated samples.

- Blanks: The method blank associated with the validated samples had no target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ, and no common laboratory contaminants detected above the LOQ. The method blank had detects below the LOQ for acetone at 6.33(J) µg/Kg, 2-hexanone at 0.802(J) µg/Kg, and methylene chloride at 1.54(J) µg/Kg; however, none of the method blank contaminants were detected in the validated samples.

- Laboratory Control Samples: LCS recoveries were within the control limits listed in DoD QSM Table G-4.

- Surrogate Recovery: Surrogate recoveries for the validated samples were within the control limits listed in DoD QSM Table G-3.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on a validated sample. Evaluation of method accuracy was based on the LCS results.

- Internal Standards Performance: Internal standard area counts and retention times were within DoD QSM Table F-4 control limits established by the midpoint initial calibration standard, of -50% / +100% for internal standard areas and ±30 seconds for retention times.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatogram, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, “J,” by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual integrations: Manual integrations were not performed for the validated samples or for associated calibration and QC samples.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

- Trip Blanks: The trip blank associated with the validated samples in this SDG had no reportable detects above the DL.

- Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with validated sample 069SS-0001M-0001-SO in RVAAP-69. The field blank had detects below the LOQ for acetone at 2.1(J) µg/L and 2-butanone at 1.2(J) µg/L, and detects above the LOQ for the following compounds: bromodichloromethane at 3.6 µg/L, chloroform at 5.3 µg/L, dibromochloromethane at 1.3 µg/L, and toluene at 1.5 µg/L. None of the field QC contaminants were detected in the validated samples.

- Field Duplicate Samples: One field duplicate sample was collected and analyzed for VOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

5.2.6 Metals

A total of 26 primary soil samples and 1 field duplicate sample were analyzed by TA-North Canton for various metals by USEPA Methods 6020 and 7471A. A total of 2 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Except as noted below, calibration criteria were met.

  - As per DoD QSM Table F-8, the mass calibrations were ≤0.1 amu of the true values and the resolutions were <0.9 amu at full width at 10% peak height. A ^{137}barium RSD associated with samples 069SS-0001M-0001-SO and 069SB-0013M-0001-SO exceeded the control limit at 15.469%; therefore, barium detected in both site samples was qualified as estimated, "J." Both results were coded with an "M" qualification code. The remaining %RSDs were within the control limit listed in the DoD QSM Table F-8 of ≤5%.

  - Initial calibration: The mercury linear regression correlation coefficients were within the control limit listed in the DoD QSM Table F-7 of ≥0.995. The ICPMS analytes used a single point calibration.

  - The ICPMS ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-8 of 90-110%. The mercury ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-7 of 90-110% and 80-120%, respectively.

  - CRI/MRL recoveries affecting sample results were within the control limits listed in DoD QSM Tables F-7 and F-8 of 80-120%.

- Blanks: Method blanks had no applicable detects above the control limits listed in DoD QSM Tables F-7 and F-8 of one-half the LOQ or greater than one-tenth the amount measured in any sample and CCBs had no applicable detects above the control limit of >LOD.

- Interference Check Samples: ICPMS ICSA and ICSAB recoveries were within the control limits listed in DoD QSM Table F-8 of 80-120%. Except as noted below, there were no analytes affecting sample results detected in the ICSA above the control limit listed in DoD QSM Table F-8 of >LOD.

  When the interferents were present in the samples at similar concentration to the ICSA, the samples were further reviewed for possible matrix interference, based on detects for unspiked compounds in the ICSA. If the unspiked compounds were present in the samples at concentrations within 10× of the ICSA detect, the results were qualified. Results listed in the table below, all detects, were qualified as estimated, "J," and coded with an "I" qualification code. When no other qualifications with conflicting bias were assigned, the results were qualified as estimated with a potential positive bias, "J+."

Samples qualified for ICSA detects			
SDG	**Analyte**	**Detect (µg/L)**	**Qualified samples**
240-17525-2	Antimony	0.259	069SS-0001M-0001-SO
	Silver	0.095	
240-17602-2	Antimony	0.259	069SB-0013M-0001-SO
	Cadmium	0.249	
	Silver	0.095	

- Laboratory Control Samples: All recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%.

- Laboratory Duplicates: Laboratory duplicate analyses were performed on 069SS-0001M-0001-S0, 077SS-0001M-0001-SO and 069SB-0015M-0001-SO for all analytes. The RPD control limit listed in DoD QSM Tables F-7 and F-8 was ≤20%. The RPD control limit was only applied for common detects ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. With two exceptions, the results were within the control limits.

  Two calcium RPDs associated with sample 069SS-0001M-0001-SO were outside the control limit at 21% each; therefore, calcium detected in the sample was qualified as estimated, "J," and coded with an "E" qualification code. As per the *National Functional Guidelines*, all samples in an SDG were qualified; however, the parent samples were qualified only for their own outliers.

- Matrix Spike/Matrix Spike Duplicate: Matrix spike analyses were performed on 069SS-0001M-0001-S0, 077SS-0001M-0001-SO and 069SB-0015M-0001-SO for all analytes. The results were not assessed when the native sample concentration exceeded the spiked

amount by a factor of four or more. Except as noted in the table below, the recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%.

Results listed in the table below, all detects, were qualified as estimated, "J." In the absence of qualifications with conflicting bias, the results were qualified as estimated with a potential low bias, "J-," or estimated with a potential high bias, "J+." All results were coded with a "Q" qualification code. As per the *National Functional Guidelines*, all samples in an SDG were qualified; however, the parent samples were qualified only for their own outliers.

Samples qualified for matrix spike recovery outliers			
Parent Sample	**Analyte**	**%R**	**Qualified samples**
069SS-0001M-0001-S0	Antimony	22%	069SS-0001M-0001-S0
	Arsenic	72%	
	Cadmium	79%	
	Copper	75%	
	Selenium	64%	
069SB-0015M-0001-SO	Antimony	21**%**	069SB-0013M-0001-SO
	Calcium	69%	
	Selenium	71%	

All post digestion spike recoveries were within the control limits listed in DoD QSM Table F-8 of 75-125%.

- Serial Dilution: Serial dilution analyses were performed on 069SS-0001M-0001-S0, 077SS-0001M-0001-SO, and 069SB-0015M-0001-SO for the ICPMS analytes. Two calcium %Ds associated with sample 069SS-0001M-0001-S0 exceeded the control limit at 11% and 12%; therefore, the calcium detect in the sample was qualified as estimated, "J," and coded with an "A" qualification code. All remaining %Ds were within the control limits listed in DoD QSM Table F-7 and F-8 of ≤10%. The serial dilution control limit is only applicable when the original sample concentration is minimally ≥50× the LOQ.

- Internal Standards: As per the DOD QSM Table F-8, the ICPMS sample internal standards intensities were within 30-120% of those in the ICV. ^{89}Yttrium was not spiked in the site samples, only in QC runs.

- Sample Result Verification: For Level IV validation, calculations were verified and the sample results reported on the sample result summary were verified against the raw data. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

- Manual Integrations: No manual integrations were noted in the mercury analyses.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was identified as the field blank and sample 076-0067-0001-ER was the equipment rinsate associated with sample 069SS-0001M-0001-S0. Sodium was detected at 1600 µg/L in 070-0057-0001-Source Water and thallium was detected at 0.75 µg/L in 076-0067-0001-ER; therefore, sodium and thallium detected in 069SS-0001M-0001-S0 were qualified as nondetected, "U," at the levels of contamination. The qualified results were coded with an "F" qualification code. There were other detects in the field QC samples, but none at sufficient concentration to qualify the associated sample.

  - Field Duplicate Samples: One field duplicate sample was collected and analyzed for metals. The RPD criterion in FWQAPP Table 3-1 of ≤50% for soil samples was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

5.3 Data Usability

According to the Draft Site Inspection Report prepared by ECC, the field completeness was 100%.

Four data points were rejected for calibration outliers or poor MS/MSD recoveries. In instances where a data point had multiple results, the reviewer chose the most technically sound result to report and rejected the remaining data points. These data points, rejected to choose the most technically sound data, do not affect data quality or usability and are not included in the table below. Data with LODs/DLs that exceeded the established criteria and data estimated for quality control outliers or for detects between the LOQ and the DL were included in the table below for informational purposes only.

Table 12. Analytical completeness for RVAAP-69 validated primary data

			Number of Results					
Analysis	**Samples Analyzed**	**Analytes per Sample**	**Total**	**Rejected**	**LODs/DLs Exceeding Criteria**	**Estimated for QC Outliers**	**Estimated for Detects <LOQ**	**Percent Complete**
Explosives	1	16	15	0	0/0	2	0	100%
Nitroguanidine	1	1	1	0	0/0	0	0	100%
Nitrocellulose	1	1	1	0	0/0	0	0	100%
PCBs	1	7	7	0	0/0	0	1	100%
SVOCs	2	66	130	4	2/2	4	6	96.9%
VOCs	2	36	72	0	0/0	2	1	100%
Metals	2	23	46	0	0/0	16	5	100%
		Totals	**272**	**4**	**2/2**	**24**	**13**	**98.5%**

The analytical completeness goal for the project established in the FWQAPP was 90% for each method. The completeness goal was met for all analyses.

5.4 Primary and Field Duplicate Comparison Summary

Primary and field duplicate sample comparisons were considered to be in good agreement as only 4.2% of the field duplicate pair results were above the FWQAPP control limit of 50% for soils or +/- the LOQ for results below 5× the LOQ.

Five of the six outliers were PAH compounds, all of which were detected at higher concentration in the field duplicate samples. The total analyte count in the table below does not include rejected results. All comparison results are presented in Appendix C.

Table 13. RVAAP-69 primary/field duplicate sample comparison summary

Method*	**Primary/Field Duplicate Pairs**	**Number of Analytes**	**Total Analytes**	**Number of results within control limits**	**Number of results above control limit**
Explosives	1	16	15	15	0
Nitroguanidine	1	1	1	0	1
Nitrocellulose	1	1	1	1	0
PCBs	1	7	7	7	0
SVOCs	1	66	61	61	5
VOCs	1	36	36	36	0
Metals	1	23	23	23	0

5.5 Specific Data Concerns

Specific concerns regarding the data are noted below:

- A few LODs and some DLs exceeded the project criteria. These exceedances are detailed in Section 5.2.4.

- Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

In order to avoid repetition of the issues noted above, the following actions should be taken:

- MEC^X recommends the laboratory be requested to alter the IPCMS and mercury instrument set up in order to report mercury and ICPMS raw absorbances and ICPMS ICV, CCV, ICSAB, and MRL concentrations.

6 COAL STORAGE AREA, RVAAP-73

6.1 Current Investigation

ECC completed an RI at the Facility-Wide Coal Storage (RVAAP-73). The work was performed in accordance with the *Site Inspection and Remedial Investigation Work Plan* (ECC 2012) and the *Facility-Wide Sampling and Analysis Plan* (SAIC 2011).

Coal was used at RVAAP in steam generation to supply power houses, production facilities, and in heating systems. The material was received in bulk, primarily by rail, and was typically stored and staged in uncovered piles on the ground. From there, it was distributed throughout the facility by truck. Point-of-use coal storage locations included covered bins and uncovered storage piles on the ground. No documentation of accidental large-volume spills or releases associated with the coal storage areas was found.

RVAAP-73 is comprised of four separate coal storage areas.

- Building U-16 Boiler House was used to store coal for boiler supply and steam generation.
- North Line Road Coal Tipple was used as a bulk coal receiving, storage and distribution area.
- Sand Creek Coal Tipple was used as a bulk coal receiving, storage and distribution area.
- East Classification Yard Roundhouse was used to store coal for boiler supply and steam generation.

The data validated in this report are part of the intrusive RI at RVAAP-73 conducted to assess the potential presence of contamination. The total sample counts, samples selected for data validation, and the field duplicates are presented in the tables below.

Table 14. Total sample count for RVAAP-73

Matrix	Primary Samples	Field Duplicates	Split Samples	Primary Sample Counts						
				Explosives	Propellants	PCBs	Pesticides	SVOCs	VOCs	Metals
Soil	36	5	3	4	4	4	4	36	4	36
Sediment	7	1*	3	1	1	1	1	7	1	7
Surface Water	7	1*	3	1	1	1	1	7	1	7

*Analyzed for SVOCs and metals only

Table 15. RVAAP-73 validated samples and methods

Sample ID	SDG	Matrix	Collected	Explosives	Propellants	PCBs	Pesticides	SVOCs	VOCs	Metals
073SS-0002M-0001-SO	240-17422-1	Soil	11/8/2012	x	x	x	x	x	x	x
073SB-0009M-0001-SO	240-18441-1	Soil	12/4/2012	--	--	--	--	x	--	x
073SB-0016M-0001-SO	240-22648-1	Soil	3/28/2013	--	--	--	--	x	--	x
073SB-0038M-0001-SO	240-22663-1/2	Soil	4/1/2013	--	--	--	--	x	--	x
073SD-0047-0001-SD	240-22648-1	sediment	3/28/2013	--	--	--	--	x	--	--

Table 16. RVAAP-73 field duplicate samples

Duplicate Sample ID	Parent Sample
073SS-0003M-0001-SO	073SS-0002M-0001-SO
073SB-0010M-0001-SO	073SB-0009M-0001-SO
073SB-0017M-0001-SO	073SB-0016M-0001-SO
073SB-0028M-0001-SO	073SM-0027M-0001-SO
073SB-0039M-0001-SO	073SB-0038M-0001-SO
073SD-0048-0001-SD	073SD-0047-0001-SD
073SW-0059-0001-SW	073SW-0058-0001-SW

6.1.1 Sample Collection

The chains-of-custody were appropriately signed and dated by field and laboratory personnel. Custody seals were intact. Cooler custody seals were not utilized. It was determined by reviewing the relinquished and receipt times that the samples were transferred to the laboratory by courier. With exceptions noted below, no sample collection issues were identified.

- Some corrections made to the chains-of-custody were properly made but were not dated.
- Some corrections were made by overwriting or obliterating the original entry. These corrections were not initialed or dated.
- SVOC analysis was not requested on the chain-of-custody for sample 073SB-0038M-0001-SO. According to the case narrative, the analysis was requested after the samples were received.

6.1.2 Data Completeness

The data completeness for the project described in this report was found to be generally acceptable for all analyses except metals, as no deliverables were missing from the SDGs reviewed. The metals data was missing the following:

- No ICPMS raw data was provided for SDG 240-22663-1.
- The ICPMS tune was missing from the analytical sequence dated 11/23/2012 in SDG 240-17422-1.

- The matrix spike, post digestion spike, laboratory duplicate and serial dilution results were not listed on the summary forms in SDG 240-18441-1 for parent sample 073SB-0007M-0001-SO.

These materials were requested from and provided by the laboratory.

6.1.3 Preservation and Holding Time Requirements

A portion of the samples were received at temperatures nominally below the 4±2^{o}C control limit; however, as the samples were not noted to be frozen or damaged, no qualifications were required. All remaining method preservation requirements were met.

The SVOC fraction for sample 073SB-0038M-0001-SO was extracted 11 days beyond the 14 day holding time; therefore, the results for this sample were qualified as estimated, "UJ," and coded with an "H" qualification code. The remaining holding times, as listed in Table 3, were met.

6.1.4 Detection Limit Requirements

LODs and DLs for nondetected analytes were compared against the most stringent CUGs listed in Tables 5-8, 5-9, and 5-10 of *Final Facility-Wide Human Health Cleanup Goals for the Ravenna Army Ammunition Plant* (2010) or the RSLs if no CUG was listed. Three SVOCs (benzo(a)pyrene, dibenz(a,h)anthracene, n-nitroso-di-n-propylamine) had LODs and DLs that exceeded the CUGs. Results with DLs exceeding project criteria may be usable for their intended purposes; however, it is dependent on the final data user to make this determination on a case-by-case basis.

6.2 RVAAP-73 Data Quality Evaluation

This section summarizes the data quality of validated samples for each analytical method evaluated.

6.2.1 Explosives

A total of 4 primary soil samples, 1 soil field duplicate sample, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-West Sacramento for explosives by USEPA SW-846 Method 8330B. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration:
    - The primary column initial calibration average %RSDs for RDX and 2-nitrotoluene exceeded the control limit at 20% and 16%, respectively; therefore, the nondetected results for these compounds were qualified as estimated, "UJ," in 073SS-0002M-0001-SO. The qualified results were coded with a "C" qualification code. The remaining initial

calibration average %RSDs were within the control limits listed in DoD QSM Table F-3 of ≤15%, or the linear regression r^2 values were ≥0.990.

- The second source initial calibration verification standard recoveries were within the control limit listed in DoD QSM Table F-3 of ±20%.
- The CCV standard %Ds were within the control limits listed in DoD QSM Table F-3 of ±20%.
- Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. Low-level MRL standards were analyzed in association with the validated samples and the results affecting the sample were within the reasonable control limits of 70-130%.

- Blanks: Tetryl was detected in the method blank analyzed on the confirmation column. The tetryl peak was the second of a pair of small, incompletely resolved peaks and was very similar to the peak identified in sample 073SS-0002M-0001-SO. Due to this similarity, tetryl reported in the sample was qualified as nondetected, "U," at the LOD. The qualified result was coded with a "B" qualification code. The method blank associated with the validated sample had no other target compound detects above the control limit listed in DoD QSM Table F-3 of one-half the LOQ.

- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Tables G-2 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%).

- Surrogate Recovery: As no surrogate control limit was listed in the DoD QSM, surrogate recoveries were assessed against the reasonable laboratory-established control limits of 78-118%. The surrogate recovery on the secondary column exceeded the control limit at 121%; however, as there were no confirmed detects, no qualifications were required. The remaining recoveries were within the control limits.

- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on the validated sample. Method accuracy was evaluated based on LCS results.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatogram and retention times indicated no problems with target compound identification.

  Although not affecting the nondetected sample results, the primary column MRL recoveries for the later eluting compounds were recovered above the control limit. Review of the chromatogram indicated poorer peak shape for these compounds.

- Compound Quantification and Reported Detection Limits: As no target compounds were detected in the samples validated at Level IV, compound quantification was verified for a portion of the LCS results. The LOQs were supported by the low point of the initial

calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

Confirmation analyses were performed; however, no compounds were confirmed.

Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in sample 073SS-0002M-0001-SO. As there were no detects for these compounds; the reviewer chose to report the results with the lowest LODs. The 8330B result for nitrobenzene was rejected, "R," as duplicate data and coded with a "D" qualification code. The 8330B results for 2,4-dinitrotoluene and 2,6-dinitrotoluene were retained.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed for the initial calibrations and low-level CCVs. All manual integrations were performed in order to report incompletely resolved peaks or to account for baseline anomalies and were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was identified as the field blank and sample 076-0067-0001-ER was identified as the equipment rinsate sample associated with the validated sample. There were no detects in the field QC samples.

  - Field Duplicates: One field duplicate sample was collected and analyzed for explosive compounds. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

6.2.2 Propellants

A total of 4 primary soil samples, 1 soil field duplicate sample, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-West Sacramento for nitroguanidine by USEPA SW-846 Method 8330 and for nitrocellulose by laboratory SOP WS-WC-0050. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration:

- The nitroguanidine initial calibration average percent %RSD was within the control limit listed in DoD QSM Table F-2 of ≤20%. The nitrocellulose linear regression correlation coefficient was within the control limit listed in the DoD QSM Table F-11 of ≥0.995.

- The nitroguanidine second source ICV recovery was within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose ICV recovery was reported to be 187% in the ICV associated with 073SS-0002M-0001-SO; however, the ICV appeared to have been spiked at the usual 1 ppm level and was recovered within the control limits listed in DoD QSM Table F-11 of 90-110%.

- The nitroguanidine CCV recoveries were within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose CCV recoveries were within the control limits listed in DoD QSM Table F-11 of 90-110%.

- Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL recoveries affecting sample results were within the reasonable control limits of 70-130%.

- Blanks: The method blanks had no target compound detects above the control limits listed in DoD QSM Tables F-2 and F-11 of one-half the LOQ.

- Laboratory Control Samples: No nitroguanidine or nitrocellulose LCS control limits are listed in the DoD QSM; therefore, the laboratory control limits were used to assess the results. The nitroguanidine recovery was within the control limits of 72-121% and the nitrocellulose recovery was within the laboratory-established control limits of 34-115%.

- Surrogate Recovery: A surrogate was not required for the analysis of nitroguanidine or nitrocellulose.

- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on the validated sample. Method accuracy was evaluated based on LCS results.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for those samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Nitroguanidine was not detected in the validated sample; therefore, confirmation analysis was not required.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed for nitroguanidine. The manual integrations were performed primarily to correct incomplete integration. The manual integrations were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was identified as the field blank and sample 076-0067-0001-ER was identified as the equipment rinsate sample associated with the validated sample. There were no detects in the field QC samples.

    - Field Duplicates One field duplicate sample was collected and analyzed for propellants. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

6.2.3 Polychlorinated Biphenyls (PCBs)

A total of 4 primary soil samples, 1 soil field duplicate sample, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-North Canton for PCBs by USEPA SW-846 Method 8082. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Calibration criteria were met.

    - Initial calibration average %RSDs were within the control limit listed in the DoD QSM Table F-2 of ≤20%.

    - The second source ICV recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20% for all applicable Aroclors.

    - The CCV standard recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20%.

    - MRL recoveries affecting sample results were within the reasonable control limit of ±30%. Two recoveries were nominally above the control limit; however, as there were no detects in the site sample, no qualifications were applied.

- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in the DoD QSM Table F-2 of one-half the LOQ for target compounds.

- Laboratory Control Samples: LCS recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Table G-17.

- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 60-125%.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on the validated sample. Evaluation of method accuracy was based on the LCS results.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatogram, standards, and retention times indicated no problems with target compound identification. The sample was analyzed on two analytical columns; however, the sample had no Aroclor detects.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data associated with the sample data, primarily due to poor baseline integration or incorrectly split peaks. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with validated sample 073SS-0002M-0001-SO in RVAAP-73. There were no detects in the field QC samples.

    - Field Duplicates: One field duplicate sample was collected from RVAAP-73 for PCBs. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. The

results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

6.2.4 Pesticides

A total of 4 primary soil samples, 1 soil field duplicate sample, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-North Canton for pesticides by USEPA SW-846 Method 8081. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration: Calibration criteria listed in the DoD QSM Table F-2 were met.
    - Initial calibration average %RSDs were within the control limit of ≤20%.
    - The performance evaluation mixture (PEM) %breakdown results were within the DoD QSM Table F-2 control limit of ≤15%.
    - Both columns had individual toxaphene ICV peaks with %Ds exceeding the control limit. Column CLP-1 had two outliers at -20.9% and 53.7%, and column CLP-2 had two outliers at -34.0% and 88.2%. The nondetected result for toxaphene in sample 073SS-0002M-0001-SO was qualified as estimated, "UJ," and coded with a "C" qualification code. The remaining second source ICV recoveries were within the control limit of ±20%.
    - The CCV standard recoveries affecting sample data were within the control limit of ±20%.
    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%. Several recoveries were nominally above the control limit; however, none of the outliers were detected in the validated sample.
- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in the DoD QSM Table F-2 of one-half the LOQ.
- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Table G-15. Toxaphene was not spiked in the LCS sample.
- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 60-125%.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on the validated sample. Evaluation of method accuracy was based on the LCS results.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatograms, standards, and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data, primarily due to poor baseline integration or to re-integrate incorrectly split peaks. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with validated sample 073SS-0002M-0001-SO in RVAAP-73. There were no detects in the field QC samples.

    - Field Duplicate Samples: One field duplicate sample was collected from RVAAP-73 for PCBs. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. The results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate result.

6.2.5 Semivolatile Organic Compounds (SVOCs)

A total of 36 primary soil samples, 5 soil field duplicate samples, 7 primary sediment samples, 1 sediment field duplicate sample, 7 primary surface water samples, and 1 surface water field duplicate sample were analyzed by TA-North Canton for SVOCs by USEPA Method 8270C. A total of 5 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The DFTPP tunes met the method abundance criteria. The samples were analyzed within 12 hours of the DFTPP injection time.

- Calibration: Calibration criteria listed in the DoD QSM Table F-4 were met, with exceptions affecting sample results noted in the tables below.

  - Initial calibration average RRFs and ICV and CCV RRFs were within method control limits of ≥0.050. All initial calibration %RSDs were within the control limits of ≤30% for calibration check compounds (CCCs) and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.

  - All second source ICV standard recoveries affecting sample data were within the control limit of ±20%, with the exception of the recovery of 78.9% for 3,3'-dichlorobenzidine in the ICV associated with samples 073SS-0002M-0001-SO, and 073SB-0009M-0001-SO. The nondetected results were qualified as estimated, "UJ," in the samples. The qualified results were coded with a "C" qualification code.

  - Continuing calibration %Ds affecting sample data were within the control limit of ≤20%.

  - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries were within the reasonable control limit of ±30%, with exceptions noted in the table below. The results listed in the table below were qualified as estimated, "UJ," for nondetects and, "J," for detects. The qualified results were coded with a "C" qualification code.

Samples qualified for MRL %R outliers		
Analyte	**%R**	**Qualified Samples**
hexachloroethane	44%	073SB-0016M-0001-SO, 073SD-0047-0001-SD
benzo(g,h,i)perylene	58%	073SS-0002M-0001-SD
dibenz(a,h)anthracene	65%	
2,4-dinitrophenol	68%	
Indeno(1,2,3-cd)pyrene	66%	
4,6-Dinitro-2-methylphenol	58%	073SB-0038M-0001-SO
2,4-dinitrophenol	39%	

- Blanks: Bis(2-ethylhexyl)phthalate and di-n-butyl phthalate were detected in one soil method blank at 28.2 and 15.5 µg/Kg, respectively. Bis(2-ethylhexyl)phthalate detected in 073SB-0016M-0001-SO and 073SD-0047-0001-SD and di-n-butyl phthalate detected in 073SB-0016M-0001-SO were qualified as nondetected, "U," at the LOD, if detected below the LOD or at the level of contamination if detected above. The qualified results were coded with a "B" qualification code. The method blanks associated with the validated samples had no other target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ for target compounds, and no common laboratory contaminants detected above the LOQ.

- Laboratory Control Samples: Benzoic acid was not detected in the LCSs associated with sample 073SB-0038M-0001-SO; therefore, the nondetected result for benzoic acid in this sample was rejected, "R." The qualified result was coded with an "L" qualification code. All

remaining LCS recoveries affecting sample data were within the control limits listed in DoD QSM Tables G-2 (poor performers) and G-7. The reviewer noted hexachlorocyclopentadiene was not spiked in the LCS. Additionally, the LCS associate with sample 073SB-0009M-0001-SO reported no recovery of benzoic acid. Upon review of the raw data, the reviewer determined that benzoic acid was spiked below the LOD but was acceptably recovered.

- Surrogate Recovery: All applicable surrogate recoveries were within the control limits listed in the DoD QSM Tables G-2 (poor performers) or G-3.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on a validated sample. Method accuracy was evaluated based on LCS results.

- Internal Standards Performance: The internal standard area counts and retention times were within the DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the samples validated at Level IV. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD. The samples had a 2-ml final extract volume, resulting in an effective 2× dilution. Due to their matrices, sample 073SS-0002M-0001-SO was analyzed at a 4× dilution, sample 073SB-0009M-0001-SO was analyzed at a 5× dilution, and sample 073SB-0038M-0001-SO was analyzed at a 10× dilution.

  Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in sample 073SS-0002M-0001-SO. As there were no detects for these compounds; the reviewer chose to report the results with the lowest LODs. The 8270C results for 2,4-dinitrotoluene and 2,6-dinitrotoluene were rejected, "R," as duplicate data and coded with a "D" qualification code. The 8270C result for nitrobenzene was retained.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the samples, and for calibration and QC data associated with the sample data, primarily to correct the integration of improperly split peaks, or to correct poor baseline integration. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was identified as the field blank and sample 076-0067-0001-ER was identified as the equipment rinsate sample associated with sample 073SS-0002M-0001-SO. There were no detects in the field QC samples. The remaining validated samples had no associated field QC samples.

  - Field Duplicate Samples: Seven field duplicate samples were collected and analyzed for SVOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, the results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

SVOC field duplicate outliers			
Field Duplicate Pair	**Analyte**	**RPD**	**W/In LOQ**
073SB-0016M-0001-SO/ 073SB-0017M-0001-SO	Anthracene	N/A	No
073SD-0047-0001-SD/ 073SD-0048-0001-SD	Bis(2-ethylhexyl)phthalate	N/A	No
073SB-0027M-0001-SO/ 073SB-0028M-0001-SO	Benzo(b)fluoranthene	N/A	No
073SS-0002M-0001-SO/ 073SS-0003M-0001-SO	2-Methylnaphthalene	N/A	No

6.2.6 Volatile Organic Compounds (VOCs)

A total of 4 primary soil samples, 1 soil field duplicate sample, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-North Canton for volatile compounds by USEPA Method 8260B. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The BFB tunes met the method abundance criteria. The samples were analyzed within 12 hours of the BFB injection time.

- Calibration: Calibration criteria listed in DoD QSM Table F-4 were met.

  - Initial calibration average RRFs and ICV and CCV RRFs were within the control limits of ≥0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane, and ≥0.10 for chloromethane, bromoform, and 1,1-dichloroethane.

  - All initial calibration %RSDs were within the method control limits of ≤30% for the CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.

- All second source ICV standard recoveries were within the control limit of ±20%.
- Continuing calibration %Ds affecting validated sample data were within the control limit of ≤20%
- Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%. Several recoveries were marginally above the control limits; however, none of the compounds with high recoveries were detected in the associated sample.

- Blanks: The method blank associated with the validated sample had no target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ, and no common laboratory contaminants detected above the LOQ. The method blank had detects below the LOQ for acetone at 6.33(J) µg/Kg, 2-hexanone at 0.802(J) µg/Kg, and methylene chloride at 1.54(J) µg/Kg; however, none of the method blank contaminants were detected in the validated sample.

- Laboratory Control Samples: LCS recoveries were within the control limits listed in DoD QSM Table G-4.

- Surrogate Recovery: Surrogate recoveries were within the control limits listed in DoD QSM Table G-3.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on the validated sample. Evaluation of method accuracy was based on the LCS results.

- Internal Standards Performance: Internal standard 1,4-dichlorobenzene-d4 was recovered below the control limits at 33% in sample 073SS-0002M-0001-SO. The nondetected result for associated target compound 1,1,2,2-tetrachloroethane was qualified as estimated, "UJ," and coded with an "I" qualification code. The remaining internal standard area counts and retention times were within DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: -50% / +100% for internal standard areas and ±30 seconds for retention times.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatogram, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual integrations: Manual integrations were not performed for the validated sample or for associated calibration and QC samples.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Trip Blanks: The trip blank associated with the validated sample in this SDG had no reportable detects above the DL.

    - Field Blanks and Equipment Rinsates: Sample 070-0057-0001-Source Water was the field blank and 076-0067-0001-ER was the equipment rinsate associated with validated sample 073SS-0002M-0001-SO in RVAAP-73. The field blank had detects below the LOQ for acetone at 2.1(J) µg/L and 2-butanone at 1.2(J) µg/L, and detects above the LOQ for the following compounds: bromodichloromethane at 3.6 µg/L, chloroform at 5.3 µg/L, dibromochloromethane at 1.3 µg/L, and toluene at 1.5 µg/L. The equipment rinsate had a detect for chloroform below the LOQ at 0.61(J) µg/L. The result for toluene in sample 073SS-0002M-0001-SO was qualified as nondetected, "U," at the LOD, and coded with an "F" qualification code. None of the other field QC contaminants were detected in the validated sample.

    - Field Duplicate Samples: One field duplicate sample was collected and analyzed for VOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

6.2.7 Metals

A total of 36 primary soil samples, 5 soil field duplicate samples, 7 primary sediment samples, 1 sediment field duplicate sample, 7 primary surface water samples, and 1 surface water field duplicate sample were analyzed by TA-North Canton for various metals by USEPA Methods 6020 and 7471. A total of 4 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Except as noted below, calibration criteria were met.

    - As per DoD QSM Table F-8, the mass calibrations were ≤0.1 atomic mass units (amu) of the true values and the resolutions were <0.9 amu at full width at 10% peak height. The selenium %RSD associated with sample 073SS-0002M-0001-SO was 11.6%; therefore, selenium detected in the sample was qualified as estimated, "J," and coded with an "M" qualification code. The %RSDs were within the control limit listed in the DoD QSM Table F-8 of ≤5%.

- Initial calibration: The mercury linear regression correlation coefficients were within the control limit listed in the DoD QSM Table F-7 of ≥0.995. The ICPMS analytes used a single point calibration.

- The ICPMS ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-8 of 90-110%. The mercury ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-7 of 90-110% and 80-120%, respectively.

- CRI/MRL recoveries affecting sample results were within the control limits listed in DoD QSM Tables F-7 and F-8 of 80-120%.

- Blanks: Except as noted below, the method blanks had no applicable detects above the control limits listed in DoD QSM Tables F-7 and F-8 of one-half the LOQ or greater than one-tenth the amount measured in any sample and CCBs had no applicable detects above the control limit of greater than the LOD.

  Results listed in the table below were qualified as nondetected, "U," at the LOD if detected below the LOD or at the level of contamination if detected above the LOD. The qualified results were coded with a "B" qualification code.

Samples qualified for blank detects			
Analyte	**Method blank (mg/Kg)**	**CCB (µg/L)**	**Qualified samples**
Antimony	N/A	0.342	073SS-0002M-0001-SO
Thallium	N/A	0.448	
Mercury	0.0276	N/A	

- Interference Check Samples: ICPMS ICSA and ICSAB recoveries were within the control limits listed in DoD QSM Table F-8 of 80-120%. Except as noted below, there were no analytes affecting sample results detected in the ICSA above the control limit listed in DoD QSM Table F-8 of >LOD.

  When most interferents were present in the samples at similar concentration to the ICSA, the samples were further reviewed for possible matrix interference, based on detects for unspiked compounds in the ICSA. If the unspiked compounds were present in the samples at concentrations within 10× the ICSA detect, the results were qualified. Results listed in the table below, all detects, were qualified as estimated, "J," and coded with an "I" qualification code. When no other qualifications with conflicting bias were assigned, the results were qualified as estimated with a potential positive bias, "J+."

Samples qualified for ICSA detects		
Analyte	**Detect (µg/L)**	**Qualified samples**
Cadmium	0.315	073SB-0009M-0001-SO
Cadmium	0.490	073SB-0016M-0001-SO
Thallium	0.177	

- Laboratory Control Samples: The recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%.

- Laboratory Duplicates: Laboratory duplicate analyses were performed on 076SS-0020M-0001-SO, 076SS-0003M-0001-SO, 072SB-0026M-0001-SO, 079SB-0072M-0001-SO, 079SB-0070M-0001-SO, 079SB-0061M-0001-SO, 079SB-0015M-0001-SO, 073SB-0040M-0001-SO, and 079SB-0024M-0001-SO for mercury and the ICPMS analytes. The results were only assessed for common detects ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted in the table below, the RPDs were within the control limits listed in DoD QSM Tables F-7 and F-8 of ≤20%.

  The RPD for calcium in parent sample 079SD-0061M-0001-SO was 24%; therefore, calcium detected in associated sample 073SB-0016M-0001-SO was qualified as estimated, "J," and coded with an "E" qualification code. As per the *National Functional Guidelines*, all samples in the associated SDG were qualified.

- Matrix Spike/Matrix Spike Duplicate: Matrix spike analyses were performed on 076SS-0020M-0001-SO, 076SS-0003M-0001-SO, 072SB-0026M-0001-SO, 073SB-0007M-0001-SO, 079SB-0072M-0001-SO, 079SB-0070M-0001-SO, 079SB-0061M-0001-SO, 079SB-0015M-0001-SO, 073SB-0040M-0001-SO, and 079SB-0024M-0001-SO for mercury and the ICPMS analytes. The results were not assessed when the native sample concentration exceeded the spiked amount by 4× or more. Except as noted in the table below, the recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%.

  The *National Functional Guidelines* calls for the estimation of nondetected data associated with matrix spike recoveries less than 30% and acceptable post digestion spike recoveries. However, it was the reviewer's professional judgment that the poor antimony recoveries observed for this and other CR sites were a systemic problem associated with the sample digestion. Therefore, the nondetected antimony results associated with recoveries below 30% were rejected, "R."

  Detected results listed in the table below were qualified as estimated, "J." In the absence of qualifications with conflicting bias, the results were qualified as estimated with a potential low bias, "J-," or estimated with a potential high bias, "J+." All qualified results were coded with a "Q" qualification code. As per the *National Functional Guidelines*, all samples in the associated SDG were qualified.

Samples qualified for matrix spike recovery outliers			
Parent Sample	**Analyte**	**%R**	**Qualified samples**
076SS-0020M-0001-SO	Arsenic	70%	073SS-0002M-0001-SO
	Antimony	**25%**	
	Selenium	71%	
073SS-0003M-0001-SO	**Antimony**	**25%**	

Samples qualified for matrix spike recovery outliers			
Parent Sample	**Analyte**	**%R**	**Qualified samples**
	Selenium	72%	
072SB-0026M-0001-SO	Arsenic	69%	073SB-0009M-0001-SO
	Calcium	74%	
	Copper	75%	
	Antimony	20%	
	Thallium	75%	
	Selenium	73%	
073SB-0007M-0001-SO	Chromium	125%	
	Antimony	21%	
	Vanadium	137%	
	Potassium	150%	
079SB-0072M-0001-SO	Arsenic	62%	073SB-0016M-0001-SO
	Beryllium	78%	
	Calcium	49%	
	Copper	77%	
	Antimony	30%	
	Zinc	68%	
	Selenium	66%	
079SB-0070M-0001-SO	Arsenic	78%	
	Beryllium	79%	
	Antimony	30%	
	Zinc	75%	
	Selenium	71%	
079SB-0061M-0001-SO	Antimony	27%	
	Selenium	60%	
	Calcium	73%	
079SB-0015M-0001-SO	Antimony	25%	073SB-0038M-0001-SO
	Zinc	74%	
	Selenium	70%	
073SB-0040M-0001-SO	Arsenic	63%	
	Antimony	46%	
	Zinc	68%	
	Selenium	75%	
079SB-0024M-0001-SO	Antimony	21%	
	Zinc	71%	
	Selenium	70%	

Post digestion spike analyses were performed on 073SB-0007M-0001-SO, 076SS-0020M-0001-SO, 079SB-0072M-0001-SO, 079SB-0070M-0001-SO, 079SB-0061M-0001-SO, 079SB-0015M-0001-SO, 073SB-0040M-0001-SO, and 079SB-0024M-0001-SO for the ICPMS analytes. The recovery for zinc in the post digestion spike of sample 073SB-0007M-0001-SO was below the control limit at 72%; therefore, zinc detected in sample 073SB-0009M-0001-SO was qualified as estimated with a potential low bias, “J-,” and was

coded with a "P" qualification code. The remaining recoveries were within the control limits listed in DoD QSM Table F-8 of 75-125%.

- Serial Dilution: Serial dilution analyses were performed on 073SB-0007M-0001-SO, 076SS-0020M-0001-SO, 073SB-0007M-0001-SO, 079SB-0072M-0001-SO, 079SB-0070M-0001-SO, 079SB-0061M-0001-SO, and 079SB-0015M-0001-SO, 073SB-0040M-0001-SO, and 079SB-0024M-0001-SO for the ICPMS analytes. Except as noted below, the %Ds were within the control limits listed in DoD QSM Table F-7 and F-8 of ≤10%. The serial dilution control limit is only applicable when the original sample concentration is nominally ≥50× the LOQ.

  Results listed in the table below, all detects, were qualified as estimated, "J," and coded with an "A" qualification code. As per the *National Functional Guidelines*, all samples in the associated SDG were qualified.

Samples qualified for serial dilution %D outliers			
Parent Sample	**Analyte**	**%R**	**Qualified samples**
079SB-0061M-0001-SO	Beryllium	18%	073SS-0016M-0001-SO
	Zinc	11%	
079SB-0072M-0001-SO	Zinc	12%	
079SB-0070M-0001-SO	Beryllium	20%	

- Internal Standards: As per the DoD QSM Table F-8, the ICPMS sample internal standards intensities were within 30-120% of those in the ICV. Yttrium (^{89}Y) was spiked into the QC samples but not the site samples.

- Sample Result Verification: For Level IV validation, calculations were verified and the sample results reported on the sample result summary were verified against the raw data. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

- Manual Integrations: No manual integrations were noted in the mercury analyses.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated samples for RVAAP-73.

- Field Duplicate Samples: Seven field duplicate samples were collected and analyzed for metals. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, all results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

Metals field duplicate outliers			
Field Duplicate Pair	**Analyte**	**RPD**	**W/In LOQ**
073SB-0016M-0001-SO/ 073SB-0017M-0001-SO	Calcium	93%	N/A
073SD-0047-0001-SD/ 073SD-0048-0001-SD	Lead	N/A	No
073SB-0009M-0001-SO/ 073SB-0010M-0001-SO	Beryllium	N/A	No

6.3 Data Usability

According to the Draft Site Inspection Report prepared by ECC, the field completeness was 100%.

Two data points were rejected for poor LCS and MS/MSD recoveries. In instances where a data point had multiple results, the reviewer chose the most technically sound result to report and rejected the remaining data points. These data points, rejected to choose the most technically sound data, do not affect data quality or usability and are not included in the table below. Data with LODs that exceeded the established criteria and data estimated for quality control outliers or for detects between the LOQ and the DL were included in the table below for informational purposes only.

Table 17. Analytical completeness for RVAAP-73 validated primary data

			Number of Results					Percent Complete
Analysis	**Samples Analyzed**	**Analytes per Sample**	**Total**	**Rejected**	**LODs/DLs Exceeding Criteria**	**Estimated for QC Outliers**	**Estimated for Detects <LOQ**	
Explosives	1	16	15	0	0/0	3	0	100%
Nitroguanidine	1	1	1	0	0/0	0	0	100%
Nitrocellulose	1	1	1	0	0/0	0	0	100%
PCBs	1	7	7	0	0/0	0	0	100%
Pesticides	1	21	21	0	0/0	1	0	100%
SVOCs	5	66	326	1	3/3	80	14	99.7%
VOCs	1	36	36	0	0/0	2	0	100%
Metals	4	23	92	1	0/0	28	12	98.9%
		Totals	**499**	**2**	**3/3**	**114**	**26**	**99.6%**

The analytical completeness goal for the project established in the FWQAPP was 90% for each method. The completeness goal was met for all analyses.

6.4 Primary and Field Duplicate Comparison Summary

Primary and field duplicate sample comparisons were considered to be in good agreement as only 0.1% of the field duplicate pair results were above the FWQAPP control limit of 50% for soils or +/- the LOQ for results below the LOQ. Rejected results are not listed in the table below.

Most of the outliers were metals and PAH compounds and the discrepancies occurred in four of the six field duplicate pairs. No pattern to the discrepancies was noted. All comparison results are presented in Appendix C.

Table 18. RVAAP-73 primary/field duplicate sample comparison summary

Method	Primary/Field Duplicate Pairs	Number of Analytes	Total Analytes	Number of results within control limits	Number of results above control limit
Explosives	1	16	15	15	0
PCBs	1	7	7	7	0
Pesticides	1	21	21	21	0
SVOCs	7	66	464	460	4
VOCs	1	36	36	36	0
Metals	7	23	160	157	3
Nitroguanidine	1	1	1	1	0
Nitrocellulose	1	1	1	1	0

6.5 Specific Data Concerns

Specific concerns regarding the data are noted below:

- A few LODs and some DLs exceeded the project criteria. These exceedances are detailed in Section 6.2.5.
- Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

In order to avoid repetition of the issues noted above, the following actions should be taken:

- MEC^X recommends the laboratory be requested to alter the IPC-MS and mercury instrument set up in order to report mercury and ICPMS raw absorbances and ICPMS ICV, CCV, ICSAB, and MRL concentrations.

7 BUILDING 1034 MOTOR POOL HYDRAULIC LIFT, RVAAP-74

7.1 Current Investigation

ECC completed an RI at Building 1034 Motor Pool Hydraulic Lift (RVAAP-74). The work was performed in accordance with the *Site Inspection and Remedial Investigation Work Plan* (ECC 2012) and the *Facility-Wide Sampling and Analysis Plan* (SAIC 2011).

Building 1034 was used for automotive repair and maintenance. Additionally, Building 1034 was used to store batteries and it contained a car wash area and an oil/water separator. The building drawings indicate it was part of the original facility construction and depict a below-grade hydraulic lift. According to multiple interviewees, maintenance workers needed to add hydraulic oil to the lift system annually. After it was discovered that the lift system was leaking and the leak could be located, the lift was taken out of service, but not removed. Since the year the lift was removed from service was not determined, it is unknown how long the lift was in operation. Currently, Building 1034 is not in use.

The data validated in this report are part of the intrusive RI at RVAAP-74 conducted to assess the potential presence of contamination. The total sample counts, samples selected for data validation, and the field duplicates are presented in the tables below.

Table 19. Total sample count for RVAAP-74

Matrix	Primary Samples	Field Duplicates	Split Samples	Primary Sample Counts							
				Explosives	Propellants	PCBs	Pesticides	SVOCs	TPH-DRO	VOCs	Metals
Soil	34	1	2	1	1	1	1	34	34	1	1

Table 20. RVAAP-74 validated samples and methods

Sample ID	SDG	Matrix	Collected	Explosives	Propellants	PCBs	SVOCs	TPH-DRO	VOCs	Metals
074SB-0001-0001-SO	240-22756-1	soil	4/2/2013	--	--	--	--	x	--	--
074SB-0002-0001-SO	240-22756-1	soil	4/2/2013	--	--	--	x	x	--	--
074SB-0010-0001-SO	240-22804-1	soil	4/3/2013	x	x	x	x	x	x	x
074SB-0027-0001-SO	240-22804-1	soil	4/3/2014	--	--	--	x	x	--	--

Table 21. RVAAP-74 field duplicate samples

Duplicate Sample ID	Parent Sample
074SB-0003-0001-SO	074SB-0002-0001-SO

7.1.1 Sample Collection

According to the laboratory Sample Receipt Forms, custody seals were not utilized; however, in reviewing the relinquish and receipt times, it appeared the samples were transferred to the laboratory by courier. No sample collection issues, other than the items listed below, were noted.

- DRO analysis was not requested on the chain-of-custody for sample 074SB-0010-0001-SO. The analysis was performed although no documentation indicating the analysis was requested was provided in the data package.
- A correction was made to the COC using multiple lines to cross out the incorrect entry. The correction was not initialed or dated.

7.1.2 Data Completeness

Data completeness for the project described in this report was found to be generally acceptable as no deliverables were missing from the SDGs reviewed.

7.1.3 Preservation and Holding Time Requirements

The samples were received within the temperature limits of 4 ±2^{o}C and all remaining method preservation requirements were met. The SVOC fraction of sample 074SB-0010-0001-SO was extracted 8 days beyond the 14 day holding time; therefore, the results for this sample were qualified as estimated, "UJ," for nondetects and, "J," for detects. The qualified results were coded with an "H" qualification code. The remaining holding times, as listed in Table 3, were met.

7.1.4 Detection Limit Requirements

LODs and DLs for nondetected analytes were compared against the most stringent CUGs listed in Tables 5-8, 5-9, and 5-10 of *Final Facility-Wide Human Health Cleanup Goals for the Ravenna Army Ammunition Plant* (2010) or the RSLs if no CUG was listed. No results exceeded project criteria.

7.2 RVAAP-74 Data Quality Evaluation

This section summarizes the data quality of validated samples for each analytical method evaluated.

7.2.1 Explosives

A single primary soil sample was analyzed by TA-West Sacramento for explosives by USEPA SW-846 Method 8330B. The primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration:

- The initial calibration average %RSDs were within the control limits listed in DoD QSM Table F-3 of ≤15%, or the linear regression r^2 values were ≥0.990.
- The second source ICV recoveries were within the control limit listed in DoD QSM Table F-3 of ±20%.
- The CCV standard %Ds were within the control limits listed in DoD QSM Table F-3 of ±20%.
- Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. Low-level MRL standards were analyzed in association with the validated samples and the results were within the reasonable control limits of 70-130%.

- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in DoD QSM Table F-3 of one-half the LOQ.

- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Tables G-2 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%).

- Surrogate Recovery: As no surrogate control limit was listed in the DoD QSM, surrogate recoveries were assessed against the reasonable laboratory-established control limits of 78-118%. Recoveries were within the control limits.

- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on sample the validated sample. Method accuracy was evaluated based on the LCS results.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of sample chromatograms and retention times indicated no problems with target compound identification. Confirmation analyses were performed for the primary column detects for 1,3,5-trinitrobenzene. The detect was not confirmed but was reported as detected in the EDD. The reviewer changed the EDD result for this compound to a nondetect at the LOD.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the primary column sample detect and a portion of the LCS results. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in sample 074SD-0010-0001-SO. As there were no detects for these compounds; the reviewer chose to report the results with the lowest LODs. The 8330B results for all three compounds were rejected, "R," as duplicate data and coded with a "D" qualification code.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed. All manual integrations were performed in order to account for baseline anomalies and were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated sample.

    - Field Duplicates: No field duplicate samples were collected for explosive compounds at RVAAP-74.

7.2.2 Propellants

A single primary soil sample was analyzed by TA-West Sacramento for nitroguanidine by USEPA SW-846 Method 8330 and for nitrocellulose by laboratory SOP WS-WC-0050. The primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration:

    - The nitroguanidine initial calibration average percent %RSD was within the control limit listed in DoD QSM Table F-2 of ≤20%. Nitrocellulose linear regression correlation coefficient was within the control limit listed in the DoD QSM Table F-11 of ≥0.995.

    - The nitroguanidine second source ICV recovery was within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose ICV recovery was within the control limit listed in DoD QSM Table F-11 of 90-110%.

    - The nitroguanidine CCV recoveries were within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose CCV recoveries were within the control limits listed in DoD QSM Table F-11 of 90-110%.

    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL recoveries associated with the sample were within the reasonable control limits of 70-130%.

- Blanks: The method blanks had no target compound detects above the control limits listed in DoD QSM Tables F-2 and F-11 of one-half the LOQ.

- Laboratory Control Samples: No nitroguanidine or nitrocellulose LCS control limits are listed in the DoD QSM; therefore, the laboratory control limits were used to assess the results. The nitroguanidine recovery was within the control limits of 72-121%. The nitrocellulose recovery was within the laboratory-established control limits of 34-115%.

- Surrogate Recovery: A surrogate was not required for the analysis of nitroguanidine or nitrocellulose.

- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on the validated sample. Method accuracy was evaluated based on the LCS results

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for those samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Nitroguanidine was not detected in the validated sample; therefore, confirmation analysis was not required.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: One manual integration was performed for an MRL in order to complete the nitroguanidine peak integration. The manual integration was deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated sample.

  - Field Duplicates: No field duplicate samples were collected for explosive compounds at RVAAP-74.

7.2.3 Polychlorinated Biphenyls (PCBs)

A single primary soil sample was analyzed by TA-North Canton for PCBs by USEPA SW-846 Method 8082. The primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Calibration criteria were met with the exception noted below.
    - Initial calibration average %RSDs were within the control limit listed in the DoD QSM Table F-2 of ≤20%.
    - The second source ICV recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20% for all applicable Aroclors.
    - The CCV standard recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20%.
    - MRL recoveries affecting sample results were within the reasonable control limit of ±30%. Two recoveries were nominally above the control limit; however, as there were no detects in the site sample, no qualifications were applied.
- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in the DoD QSM Table F-2 of one-half the LOQ for target compounds.
- Laboratory Control Samples: LCS recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Table G-17.
- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 60-125%.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on the validated sample. Evaluation of method accuracy was based on the LCS results.
- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatogram, standards, and retention times indicated no problems with target compound identification. The sample was analyzed on two analytical columns; however, the sample had no Aroclor detects.
- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.
- System Performance: Review of the raw data indicated no problems with system performance.
- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data associated with the sample data, primarily to resolve poor baseline integration or correctly split previously incorrectly split peaks. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated sample in RVAAP-74.

    - Field Duplicates: No field duplicate samples were collected from RVAAP-74 for PCBs.

7.2.4 Total Petroleum Hydrocarbons (TPH)

A total of 34 primary soil samples and 1 field duplicate sample were analyzed by TA-North Canton for DRO by USEPA SW-846 Method 8015B. A total of 4 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Calibration criteria listed in the DoD QSM Table F-2 were met.

    - Initial calibration average %RSDs were within the control limit of ≤20% or linear regression r^2 values ≥0.990.

    - The second source ICV recoveries were within the control limit of ±20%.

    - The CCV standard recoveries were within the control limit of ±20%.

    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%.

- Blanks: The method blanks associated with the validated samples had no target compound detects above the control limit listed in the DoD QSM Table F-2 of one-half the LOQ.

- Laboratory Control Samples: As no QSM limits are prescribed, recoveries were within the laboratory-established control limits of 47-138% for DRO.

- Surrogate Recovery: As no QSM limits are prescribed, recoveries were within the laboratory-established control limits of 10-110% for DRO surrogate n-nonane.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on samples 074SB-0001-0001-SO and 074SB-0010-0001-SO. As no QSM limits are prescribed, the laboratory-established soil control limits of 10-199% for DRO were applied, and RPDs were evaluated using the control limit listed in the DoD QSM Table F-2 of ≤30%. Recoveries were within the laboratory-established control limits of 10-199%, and the RPD was within the control limit of ≤30%.

- Compound Identification: Compound identification was verified for the validated samples. Review of the sample chromatograms, standards, and retention times indicated no problems with target compound identification. The laboratory analyzed for DRO hydrocarbon ranges C10-C20 and C20-C34.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated samples. The samples required no dilution. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Manual integrations were not performed for the validated samples or associated calibration and QC.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated samples for RVAAP-74.

    - Field Duplicate Samples: One field duplicate sample was collected and analyzed for DRO. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

7.2.5 Semivolatile Organic Compounds (SVOCs)

A total of 34 primary soil samples and 1 field duplicate sample were analyzed by TA-North Canton for SVOCs by USEPA Method 8270C. A total of 3 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The DFTPP tunes met the method abundance criteria. The samples were analyzed within 12 hours of the DFTPP injection time.

- Calibration: Calibration criteria listed in the DoD QSM Table F-4 were met, with exceptions affecting sample results noted below.

- Initial calibration average RRFs and ICV and CCV RRFs were within method control limits of ≥0.050 for SPCCs. All initial calibration %RSDs were within the control limits of ≤30% for CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.

- All second source ICV standard recoveries affecting sample data were within the control limit of ±20%.

- Continuing calibration %Ds affecting sample data were within the control limit of ≤20%.

- Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries were within the reasonable control limit of ±30%, with exceptions noted in the table below. Results listed in the table below were qualified as estimated, "J," for detects, and "UJ," for nondetects in the affected sample. The qualified results were coded with a "C" qualification code.

Samples qualified for MRL %R outliers		
Analyte	**%R**	**Qualified Samples**
2,4-dinitrophenol	40%	074SB-0002-0001-S0
4,6-dinitro-2-methylphenol	57%	
2,4-dinitrophenol	49%	074SB-0010-0001-SO

- Blanks: One method blank had a detect for bis(2-ethlyhexyl)phthalate at 19.9 µg/Kg and another had a detect for di-n-butyl phthalate at 24.5 µg/Kg; therefore, bis(2-ethylhexyl)phthalate detected in 074SB-0002-0001-SO was qualified as nondetected, "U," at the LOD and di-n-butyl phthalate detected in 074SB-0027-0001-SO was qualified as nondetected, "U," at the level of contamination. The qualified results were coded with a "B" qualification code. The method blanks associated with the validated samples had no other target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ for target compounds, and no other common laboratory contaminants detected above the LOQ.

- Laboratory Control Samples: Benzoic acid was reported as not detected in the LCS associated with sample 074SB-0010-0001-SO; therefore, the nondetected result for benzoic acid in sample 074SB-0010-0001-SO was rejected, "R," and coded with an "L" qualification code. Additionally, the LCSs associated with the validated samples 074SB-0002-0001-SO and 074SB-0027-0001-SO also reported benzoic acid as nondetected. Upon review of the raw data, the reviewer determined that benzoic acid was spiked below the LOD but was acceptably recovered in both LCSs. All remaining LCS recoveries were within the control limits listed in DoD QSM Tables G-2 (poor performers) and G-7. The reviewer noted hexachlorocyclopentadiene was not spiked in the LCS.

- Surrogate Recovery: All surrogate recoveries were within the control limits listed in the DoD QSM Tables G-2 (poor performers) or G-3.

- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on a validated sample. Method accuracy was evaluated based on LCS results**.**

- Internal Standards Performance: The internal standard area counts and retention times were within the DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the samples validated at Level IV. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at Level IV. The samples had a 2-ml final extract volume, resulting in an effective 2× dilution. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for calibration and QC data associated with the sample data, primarily to integrate peaks missed or peaks incorrectly chosen by the data system and to correct poor baseline integration. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated samples for RVAAP-74.

    - Field Duplicate Samples: One field duplicate sample was collected and analyzed for SVOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

7.2.6 Volatile Organic Compounds (VOCs)

A single primary soil sample was analyzed by TA-North Canton for volatile compounds by USEPA Method 8260B. The primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The BFB tunes met the method abundance criteria. The samples were analyzed within 12 hours of the BFB injection time.

- Calibration: Calibration criteria listed in DoD QSM Table F-4 were met.

  - Initial calibration average RRFs and ICV and CCV RRFs were within the control limits of ≥0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane, and ≥0.10 for chloromethane, bromoform, and 1,1-dichloroethane.

  - All initial calibration %RSDs were within the method control limits of ≤30% for the CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.

  - All second source initial calibration verification standard recoveries were within the control limit of ±20%.

  - Continuing calibration %Ds affecting validated sample data were within the control limit of ≤20%

  - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%.

- Blanks: The method blank associated with the validated sample had no target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ, and no common laboratory contaminants detected above the LOQ. Acetone detected below the LOQ in the method blank was not detected in the associated sample.

- Laboratory Control Samples: LCS recoveries were within the control limits listed in DoD QSM Table G-4.

- Surrogate Recovery: BFB and toluene-d8 were recovered below the control limits at 35% (limits 85-120%) and 54% (85-115%), respectively in the analysis of sample 074SB-0010-0001-SO for target compounds 2-butanone (methyl ethyl ketone), 2-hexanone, and 4-methyl-2-pentanone (methyl isobutyl ketone). The affected results, all nondetects, were qualified as estimated, "UJ," and coded with an "S" qualification code. The remaining analytes in sample 074SB-0010-001-SO were reported from a separate analysis which had acceptable surrogate recoveries. Remaining surrogate recoveries affecting sample data were within the control limits listed in DoD QSM Table G-3.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on the validated sample. Evaluation of method accuracy was based on the LCS results.

- Internal Standards Performance: The internal standard area counts and retention times were within DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: -50% / +100% for internal standard areas and ±30 seconds for retention times.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatogram, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual integrations: Manual integrations were not performed for the validated sample or for associated calibration and QC samples.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Trip Blanks: The trip blank associated with the validated sample in this SDG had a detect below the LOQ for methylene chloride; however, methylene chloride was not detected in the associated sample. The trip blank had no other reportable detects above the DL.

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated sample for RVAAP-74.

    - Field Duplicate Samples: No field duplicate samples were collected for VOCs.

7.2.7 Metals

A single primary soil sample was analyzed by TA-North Canton for various metals by USEPA Methods 6020 and 7471. The primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Except as noted below, calibration criteria were met with the exception noted below.

    - As per DoD QSM Table F-8, the mass calibrations were ≤0.1 atomic mass units (amu) of the true values and the resolutions were <0.9 amu at full width at 10% peak height. The %RSDs were within the control limit listed in the DoD QSM Table F-8 of ≤5%.

- Initial calibration: The mercury linear regression correlation coefficient was within the control limit listed in the DoD QSM Table F-7 of ≥0.995. The remaining analytes used a single point calibration.

- The ICPMS ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-8 of 90-110%. The mercury ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-7 of 90-110% and 80-120%, respectively.

- Mercury was recovered at 65% in the closing MRL; therefore, nondetected mercury in sample 074SB-0010-0001-SO was qualified as estimated, "UJ," and was coded with a "C" qualification code. The remaining CRI/MRL recoveries affecting sample results were within the control limits listed in DoD QSM Tables F-7 and F-8 of 80-120%.

- Blanks: The method blanks had no applicable detects above the control limits listed in DoD QSM Tables F-7 and F-8 of one-half the LOQ or greater than one-tenth the amount measured in any sample and the CCBs had no applicable detects above the control limit of >LOD.

- Interference Check Samples: ICPMS ICSA and ICSAB recoveries were within the control limits listed in DoD QSM Table F-8 of 80-120%. There were several analytes detected in the ICSA, but not at sufficient concentration to warrant qualification of the site sample.

  When most interferents were present in the samples at similar concentration to the ICSA, the samples were further reviewed for possible matrix interference, based on detects for unspiked compounds in the ICSA. If the unspiked compounds were present in the samples at concentrations within 10× of the ICSA detect, the results were qualified. Results listed in the table below, all detects, were qualified as estimated, "J," and coded with an "I" qualification code. As no other qualifications with conflicting bias were assigned, the results were qualified as estimated with a potential positive bias, "J+."

Samples qualified for ICSA detects		
Analyte	**Detect (µg/L)**	**Qualified samples**
Cadmium	0.271	074SB-0010-0001-SO
Silver	0.195	
Selenium	0.553	

- Laboratory Control Samples: The recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%.

- Laboratory Duplicates: No laboratory duplicate analysis was performed for a sample of the same matrix as the validated sample.

- Matrix Spike/Matrix Spike Duplicate: No matrix spike or MS/MSD analyses were performed for a sample of the same matrix as the validated sample. Method accuracy was evaluated based on the LCS results.

- Serial Dilution: No serial dilution analysis was performed on a sample of the same matrix as the validated sample.

- Internal Standards: As per the DoD QSM Table F-8, the ICPMS sample internal standards intensities were within 30-120% of those in the ICV.

- Sample Result Verification: For Level IV validation, calculations were verified and the sample results reported on the sample result summary were verified against the raw data. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

- Manual Integrations: No manual integrations were noted in the mercury analyses.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated samples for RVAAP-74.

  - Field Duplicate Samples: No field duplicate samples were collected for metals.

7.3 Data Usability

According to the Draft Site Inspection Report prepared by ECC, the field completeness was 100%.

One SVOC data point was rejected for a poor LCS recovery. In instances where a data point had multiple results, the reviewer chose the most technically sound result to report and rejected the remaining data points. These data points, rejected to choose the most technically sound data, do not affect data quality or usability and are not included in the table below. Data with detects between the LOQ and the DL were included in the table below for informational purposes only.

Table 22. Analytical completeness for RVAAP-74 validated primary data

			Number of Results					
Analysis	**Samples Analyzed**	**Analytes per Sample**	**Total**	**Rejected**	**LODs/DLs Exceeding Criteria**	**Estimated for QC Outliers**	**Estimated for Detects <LOQ**	**Percent Complete**
Explosives	1	16	13	0	0/0	0	1	100%
Nitroguanidine	1	1	1	0	0/0	0	0	100%
Nitrocellulose	1	1	1	0	0/0	0	0	100%
PCBs	1	7	7	0	0/0	0	0	100%
TPH	4	2	8	0	0/0	0	0	100%
SVOCs	3	66	198	1	0/0	70	1	99.4%
VOCs	1	35	35	0	0/0	3	0	100%
Metals	1	23	23	0	0/0	4	2	100%
		Totals	**286**	**1**	**0/0**	**77**	**4**	**99.7%**

The analytical completeness goal for the project established in the FWQAPP was 90% for each method. The completeness goal was met for all analyses.

7.4 Primary and Field Duplicate Comparison Summary

Primary and field duplicate sample comparisons were considered to be in good agreement as all results were within the FWQAPP control limit of 50% for soils or +/- the LOQ for results below the LOQ. Rejected results are not listed in the table below. All comparison results are presented in Appendix C.

Table 23. RVAAP-74 primary/field duplicate sample comparison summary

Method	**Primary/Field Duplicate Pairs**	**Number of Analytes**	**Total Analytes**	**Number of results within control limits**	**Number of results above control limit**
SVOCs	1	66	66	66	0
TPH	1	2	2	2	0

7.5 Specific Data Concerns

Specific concerns regarding the data are noted below:

- Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

In order to avoid repetition of the issues noted above, the following actions should be taken:

- MEC^X recommends the laboratory be requested to alter the IPCMS and mercury instrument set up in order to report mercury and ICPMS raw absorbances and ICPMS ICV, CCV, ICSAB, and MRL concentrations.

8 DEPOT AREA, RVAAP-76

8.1 Current Investigation

ECC completed an RI at the Depot Area (RVAAP-76). RVAAP-76 was constructed as part of the original RVAAP facility. The work was performed in accordance with the *Site Inspection and Remedial Investigation Work Plan* (ECC 2012) and the *Facility-Wide Sampling and Analysis Plan* (SAIC 2011).

Prior to the purchase of the property in 1940, the site consisted of Bolton Farm. The Depot Administration Area Telephone Building is the last remaining building from Bolton Farm and the namesake of the site. The HRR (SAIC, 2011) identified historic uses and potential environmental concerns at this site with respect to possible HTRW and/or MEC issues.

The following areas at RVAAP-76 were identified as candidates for further investigation:

- Building U-4 Material Handling Equipment Repair Shop – Samples were collected to investigate potential contamination from former activities including rail car/heavy equipment repair and petroleum product storage.
- Building U-5 Equipment Repair Building and nearby drainage ditch – Samples were collected to investigate potential contamination from former activities including locomotive repair.
- Building U-10 - Demilitarization Operations (formerly Box Repair Shop) – samples were collected to investigate potential contamination from former demilitarization operations.
- Building U-20 Incinerator – Samples were collected to investigate potential contamination from former activities, including incinerator operations.
- Building A-2 Motor Repair Building – Samples were collected to investigate potential contamination from a former motor repair facility.
- Building A-3 Service Garage/Tool Crib – Samples were collected to investigate potential contamination from a former service garage.
- Building EE-102, Bolton Barn – Samples were collected to investigate potential contamination from former tank maintenance activities.
- Paint Can Area (near Bolton Barn) – Samples were collected to investigation potential contamination associated with twelve buried paint cans identified during an underground storage tank removal project in 1991 and documented by a spill report.

The data validated in this report are part of the intrusive RI at RVAAP-76 conducted to assess and characterize the nature and extent of contamination, conduct an evaluation of the results in a pathway analysis, and present remedial alternatives for cleanup. The total sample counts, samples selected for data validation, and the field duplicates are presented in the tables below.

Table 24. Total sample count for RVAAP-76

Matrix	Primary Samples	Field Duplicates	Split Samples	Primary Sample Counts								
				Explosives	Propellants	PCBs	Pesticides	SVOCs	TPHs	VOCs/BTEX	Metals	Hexavalent Chromium
Soil	78	11	0	28	43	34	8	78	2	58	78	1
Sediment	4	1	0	4	4	4	--	4	--	--	4	--
Surface Water	2	1	0	2	2	2	--	--	--	--	--	--

Table 25. RVAAP-76 validated samples and methods

Sample ID	SDG	Matrix	Collected	Explosives	Propellants	PCBs	Pesticides	SVOCs	VOCs	Metals
076SD-0009-0001-SO	240-17317-1	sediment	11/6/2012	--	--	--	--	x	--	x
076SS-0020M-0001-SO	240-17422-1	soil	11/7/2012	x	x	x	x	x	x	x
076SB-0094-0001-SO	240-18544-1	soil	12/6/2012	--	--	--	--	x	x	x
076SB-0096-0001-SO	240-18544-1	soil	12/6/2012	--	--	--	--	x	--	x
076SB-0102M-0001-SO	240-18544-1	soil	12/6/2012	x	x	x	--	x	x	x
076SB-0114M-0001-SO	240-18544-1	soil	12/6/2012	x	--	--	--	x	x	x

Table 26. RVAAP-76 field duplicate samples

Duplicate Sample ID	Parent Sample
076SD-0010-0001-SO	076SD-0009-0001-SO
076SW-0014-0001-SW	076SW-0013-0001-SW
076SS-0021M-0001-SO	076SS-0020M-0001-SO
076SB-0093M-0001-SO	076SB-0092M-0001-SO
076SB-0095-0001-SO	076SB-0094-00010SO
076SB-0097-000SO	076SB-0096-0001-SO
076SB-0103M-0001-SO	076SB-0102M-0001-SO
076SB-0105M-0001-SO	076SB-0104M-0001-SO
076SB-0107M-0001-SO	076SB-0106M-0001-SO
076SB-0111M-0001-SO	076SB-0110M-0001-SO
076SB-0113M-0001-SO	076SB-0112M-0001-SO
076SB-0115M-0001-SO	076SB-0114M-0001-SO

8.1.1 Sample Collection

According to the laboratory Sample Receipt Forms, custody seals were not utilized; however, in reviewing the relinquished and receipt times, it appeared the samples were transferred to the laboratory by courier. Other than the items listed below, no sample collection issues were noted.

- Some properly made corrections to the chains-of-custody were initialed but not dated, and some were neither initialed nor dated.

- A few corrections were made by overwriting the original entries. Those were neither initialed nor dated.

8.1.2 Data Completeness

Data completeness for the project described in this report was found to be generally acceptable as no deliverables were missing from the SDGs reviewed.

8.1.3 Preservation and Holding Time Requirements

A portion of the samples were received at temperatures nominally below the 4 ±2^{o}C control limit; however, as the samples were not noted to be frozen or damaged, no qualifications were required. Holding times, as listed in Table 3, were met.

8.1.4 Detection Limit Requirements

LODs and DLs for nondetected analytes were compared against the most stringent CUGs listed in Tables 5-8, 5-9, and 5-10 of *Final Facility-Wide Human Health Cleanup Goals for the Ravenna Army Ammunition Plant* (2010) or the RSLs if no CUG was listed. Two thallium resultski had LODs and DLs that exceeded the CUGs. Results with DLs exceeding project criteria may be usable for their intended purposes; however, it is dependent on the final data user to make this determination on a case-by-case basis.

8.2 RVAAP-76 Data Quality Evaluation

This section summarizes the data quality of validated samples for each analytical method evaluated.

8.2.1 Explosives

A total of 28 primary soil samples and 4 soil field duplicate samples, 4 primary sediment samples and one sediment field duplicate sample, and 2 primary surface water samples and 1 field duplicate sample were analyzed by TA-West Sacramento for explosives by USEPA SW-846 Method 8330B. A total of 3 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration:

    - The primary column initial calibration average %RSDs for RDX and 2-nitrotoluene exceeded the control limit at 20% and 16%, respectively; therefore, the nondetected results for these compounds were qualified as estimated, “UJ,” in 076SB-0102M-0001-SO, 076SB-0114M-0001-SO, and 076SS-0020M-0001-SO. The qualified results were coded with a “C” qualification code. The remaining initial calibration average %RSDs

were within the control limits listed in DoD QSM Table F-3 of ≤15%, or the linear regression r^2 values were ≥0.990.

- The second source initial calibration verification standard recoveries were within the control limit listed in DoD QSM Table F-3 of ±20%.

- Some CCV %Ds exceeded the control limit; however, as they were associated with high recoveries and the target compounds were not detected in the site samples, no qualifications were applied. All other CCV %Ds were within the control limits listed in DoD QSM Table F-3 of ±20%.

- Although not required by the DoD QSM, an MRL standard at 3× the DL is required by the FWQAPP. Low-level MRL standards were analyzed in association with the validated samples and the results were within the reasonable control limits of 70-130%.

- Blanks: The method blank associated with the validated samples had no target compound detects above the control limit listed in DoD QSM Table F-3 of one-half the LOQ.

  Tetryl was detected on the confirmation column in the method blank in SDG 240-17422-1 at 0.0189 mg/Kg. This method blank was associated with sample 076SS-0020M-0001-SO in which tetryl was confirmed at 0.012 mg/Kg. As tetryl was not detected in the method blank on the primary column, the detect for tetryl in sample 076SS-0020M-0001-SO was not qualified.

- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Tables G-2 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%).

- Surrogate Recovery: As no surrogate control limit was listed in the DoD QSM, surrogate recoveries were assessed against the reasonable laboratory-established control limits of 78-118%. Recoveries were within the control limits.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 076SS-0020M-0001-SO. The recoveries were within the control limits listed in DoD QSM Tables G-2 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%). The RPDs were within the control limit listed in DoD QSM Table F-3 of ≤20%.

- Compound Identification: Compound identification was verified for those samples validated at Level IV. Review of sample chromatograms and retention times indicated no problems with target compound identification.

  Confirmation analyses were performed. The intercolumn RPD for tetryl in sample 076SS-0020M-0001-SO was 109%; therefore, this detect was qualified as tentatively identified, "N," and coded with an "*III" qualification code.

- Compound Quantification and Reported Detection Limits: As no target compounds were detected in the samples validated at Level IV, compound quantification was verified for a portion of the LCS results. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Confirmation analyses were performed. The intercolumn RPD for tetryl in sample 076SS-0020M-0001-SO exceeded the control limit listed in DoD QSM Table F-3 of ≤40%, at 109%; therefore, this detect was qualified as estimated, "J," and coded with an "*III" qualification code.

  Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in sample 076SS-0020M-0001-SO, 076SB-0102M-0001-SO, 076SB-0114M-0001-SO. As there were no detects for these compounds; the reviewer chose to report the results with the lowest LODs; therefore, the 8330B results for these three compounds were rejected, "R," as duplicate data and coded with a "D" qualification code.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed for the initial calibrations and low-level CCVs. All manual integrations were performed in order to report incompletely resolved peaks or to account for baseline anomalies and were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There was 1 field blank and 2 equipment rinsate samples collected in association with the samples in this field effort. There were no detects in these samples.

  - Field Duplicates: Four soil, one sediment and one surface water field duplicate samples were collected and analyzed for explosive compounds. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

8.2.2 Propellants

A total of 43 primary soil samples and 4 soil field duplicate samples, 4 primary sediment samples and one sediment field duplicate sample, and 2 primary surface water samples and 1

field duplicate sample were analyzed by TA-West Sacramento for nitroguanidine by USEPA SW-846 Method 8330 and for nitrocellulose by laboratory SOP WS-WC-0050. A total of 2 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration:
    - The nitroguanidine initial calibration average percent %RSD was within the control limit listed in DoD QSM Table F-2 of ≤20%. Nitrocellulose linear regression r values were within the control limit listed in the DoD QSM Table F-11 of ≥0.995.
    - The nitroguanidine second source ICV recovery was within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose ICV recovery was reported to be 187% in the ICV associated with 076SS-0020M-0001-SO; however, the ICV appeared to have been spiked at the usual 1 ppm level and was recovered at 102%, within the control limits listed in DoD QSM Table F-11 of 90-110%. The nitrocellulose ICV recovery associated with SDG 240-18544-1 was within the control limits.
    - The nitroguanidine CCV recoveries were within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose CCV recoveries were within the control limits listed in DoD QSM Table F-11 of 90-110%.
    - Although not required by the DoD QSM, an MRL standard at 3× the DL is required by the FWQAPP. MRL recoveries associated with the samples were within the reasonable control limits of 70-130%.
- Blanks: Nitrocellulose was detected in the method blank associated with 076SB-0102M-0001-SO, but not at sufficient concentration to qualify the sample. The method blanks had no other target compound detects above the control limits listed in DoD QSM Tables F-2 and F-11 of one-half the LOQ.
- Laboratory Control Samples: No nitroguanidine or nitrocellulose LCS control limits are listed in the DoD QSM; therefore, the laboratory control limits were used to assess the results. All nitroguanidine recoveries were within the control limits of 72-121% for soils. The nitrocellulose recoveries were within the laboratory-established control limits of 34-115% for soils.
- Surrogate Recovery: A surrogate was not required for the analysis of nitroguanidine or nitrocellulose.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 076SS-0020M-0001-SO for both propellants. The recoveries were within the laboratory-established control limits of 72-121% for nitroguanidine and 34-115% for nitrocellulose. Both RPDs were ≤20%.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatograms and retention times indicated no problems with target compound identification.

  The sample chromatogram for 076SS-0020M-0001-SO had several large early eluting peaks and one large peak eluting very near the nitroguanidine retention time. The reviewer checked the MS/MSD for the sample and noted the nitroguanidine spike was completely resolved from this interferent peak.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for those samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Nitroguanidine was not detected in the validated samples; therefore, confirmation analyses were not required.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed for nitroguanidine. The manual integrations were performed to correct baseline integration. The manual integrations were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There was 1 field blank and 2 equipment rinsate samples collected in association with the samples in this field effort. There were no detects in the field blank or equipment rinsate samples.

  - Field Duplicates: Four soil, one sediment, and one surface water field duplicate sample were collected and analyzed for propellants. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

8.2.3 Polychlorinated Biphenyls (PCBs)

A total of 34 primary soil samples and 5 soil field duplicate samples, 4 primary sediment samples, and 2 primary surface water samples and 1 field duplicate sample were analyzed by TA-North Canton for PCBs by USEPA SW-846 Method 8082. A total of 2 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration: Calibration criteria were met.
    - Initial calibration average %RSDs were within the control limit listed in the DoD QSM Table F-2 of ≤20%, or the correlation coefficients were ≤0.990.
    - The second source ICV recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20% for all applicable Aroclors.
    - The CCV standard recoveries affecting sample results were within the control limit listed in the DoD QSM Table F-2 of ±20%. A few individual Aroclor peak %Ds exceeded the control limit; however, as they were associated with high recoveries, the nondetected sample results were not qualified.
    - MRL standard recoveries affecting sample results were within the reasonable control limit of ±30%. A few recoveries were nominally above the control limit; however, as there were no detects in the site samples, no qualifications were applied.
- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in the DoD QSM Table F-2, of one-half the LOQ for target compounds.
- Laboratory Control Samples: Recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Table G-17.
- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 60-125%.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on 076SS-0020M-0001-SO. Recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Table G-17. The RPDs were within the control limit listed in DoD QSM Table F-2 of ≤30%.
- Compound Identification: Compound identification was verified for the validated samples. Review of the sample chromatograms, standards, and retention times indicated no problems with target compound identification.
- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated samples. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.
- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data associated with the sample data, primarily due poor baseline integration. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: There was 1 field blank and 1 equipment rinsate sample collected in association with sample 076SS-0020M-0001-SO. There were no detects in the field QC samples.

    - Field Duplicates: Five soil and one surface water field duplicate samples were collected and analyzed for PCBs. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. The results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

8.2.4 Pesticides

A total of 8 primary soil samples and one field duplicate were analyzed by TA-North Canton for pesticides by USEPA SW-846 Method 8081. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Calibration criteria listed in the DoD QSM Table F-2 were met with the exceptions noted below.

    - Initial calibration average %RSDs were within the control limit of ≤20%.

    - The performance evaluation mixture (PEM) %breakdown results were within the DoD QSM Table F-2 control limit of ≤15%.

    - The column used to report the sample results had a toxaphene peak %D of -34.0%. As the %D was associated with a low recovery, nondetected toxaphene in 076SS-0020M-0001-SO was qualified as estimated, “UJ.” The qualified result was coded with a “C” qualification code. The remaining second source ICV recoveries were within the control limit of ±20%.

    - The CCV standard recoveries were within the control limit of ±20%. A few compounds had %Ds that exceeded the control limit; however, as they were associated with high recoveries, the nondetected sample results were not qualified.

  - MRL standard recoveries were within the reasonable control limit of ±30%. A few recoveries were nominally above the control limit; however, as there were no detects in the site samples, no qualifications were applied.

- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in the DoD QSM Table F-2, of one-half the LOQ.

- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Table G-15. Toxaphene was not spiked in the LCS sample.

- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 60-125%.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on the sample, 076SS-0020M-0001-SO. The recoveries were within the control limits listed in DoD QSM Table G-15. The RPDs were within the control limit listed in DoD QSM Table F-2 of ≤30%. Toxaphene was not spiked in the MS/MSD samples.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatograms, standards, and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data, primarily to resolve poor baseline integration. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There was 1 field blank and 1 equipment rinsate sample collected in association with the pesticide sample. There were no detects in the field QC samples.

  - Field Duplicate Samples: One soil field duplicate sample was collected and analyzed for pesticides. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the

LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

8.2.5 Semivolatile Organic Compounds (SVOCs)

A total of 78 primary soil samples and 11 soil field duplicate samples, 4 primary sediment samples and 1 field duplicate sample were analyzed by TA-North Canton for SVOCs by USEPA Method 8270C. A total of 5 primary soil samples and one sediment sample were validated at Level IV.

- MDL studies were not evaluated as part of this project.
- GC/MS Tuning: The DFTPP tunes met the method abundance criteria. The samples were analyzed within 12 hours of the DFTPP injection time.
- Calibration: Calibration criteria listed in the DoD QSM Table F-4 were met, with exceptions affecting sample results noted below.
    - Initial calibration average RRFs and ICV and CCV RRFs were within method control limits of ≥0.050. All initial calibration %RSDs were within the control limits of ≤30% for CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.
    - All second source ICV standard recoveries affecting retained sample data were within the control limit of ±20%, with the exception of the recovery of 79.5% for 4-bromophenyl phenyl ether in the ICV associated with sample 076SD-0009-0001-SO. The nondetected result for 4-bromophenyl phenyl ether was qualified as estimated, "UJ," in the affected sample and coded with a "C" qualification code.
    - Continuing calibration %Ds affecting retained sample data were within the control limit of ≤20%.
    - MRL standard recoveries were within the reasonable control limit of ±30%, with exceptions affecting sample data noted in the table below. The nondetected results for n-nitrosodiphenylamine were rejected, "R," in the affected samples and the remaining results listed in the table below, all nondetects, were qualified as estimated, "UJ." All qualified results were coded with a "C" qualification code.

Samples qualified for MRL %R outliers		
Analyte	**%R**	**Qualified Samples**
2,4-dinitrophenol	53%	076SD-0009-0001-SO
benzoic acid	63%	
hexachloroethane	58%	
pentachlorophenol	61%	
n-nitrosodiphenylamine	**0%**	076SD-0102M-0001-SO 076SD-0114M-0001-SO

- Blanks: The method blank associated with validated sample 076SS-0020M-0001-SO had detects below the LOQ for bis(2-ethylhexyl)phthalate at 19.8(J) µg/Kg and diethyl phthalate at 27.7(J) µg/Kg. Results for both phthalates in the associated sample were qualified as nondetected, "U," at the level of contamination. The method blanks associated 076SB-0094-001-SO, 076SB-0096-001-SO, 076SB-0102M-0001-SO, and 076SB-0114M-0001-SO had detects below the LOQ for bis(2-ethylhexyl)phthalate at 30.9(J) µg/Kg and 21.2(J) µg/Kg. Results for bis(2-ethylhexyl)phthalate were qualified as nondetected, "U," at the LOD in the affected samples. All qualified results were coded with a "B" qualification code. The method blanks had no other target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ for target compounds, and no common laboratory contaminants detected above the LOQ.

- Laboratory Control Samples: All LCS recoveries were within the control limits listed in DoD QSM Tables G-2 (poor performers) and G-7. The reviewer noted hexachlorocyclopentadiene was not spiked in the LCS.

- Surrogate Recovery: All surrogate recoveries were within the control limits listed in the DoD QSM Tables G-2 (poor performers) or G-3.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on validated samples 076SD-0009-0001-SO and 076SS-0020M-0001-SO. As the spiking level was below the DL for benzoic acid, it was reported as "NC" (not calculated); however, the reviewer-calculated recoveries and RPDs from the MS/MSD concentrations in the raw data were within the control limits. Qualifications were not assigned if recoveries were not out of control limits in both the MS and MSD. Bolded results listed in the table below were rejected, "R," for recoveries of 0%. Remaining results were qualified as estimated, "J," for detects, or "UJ," for nondetects in the parent sample. All qualified results were coded with a "Q" qualification code. All RPDs were within the control limit of ≤30% listed in DoD QSM Table F-4.

Samples Qualified for MS/MSD Recovery Outliers			
Analyte	**% Recoveries**	**Limits**	**Qualified Parent Sample**
3,3'-dichlorobenzidine	**0% / 0%**	10-130%	076SD-0009-0001-SO
3-nitroaniline	**0% / 0%**	25-110%	
4-chloroaniline	3% / 3%	10-95%	
4-nitroaniline	**0% / 0%**	35-115%	
benzo(g,h,i)perylene	32% / 35%	40-125%	
hexachloroethane	19% / 21%	35-110%	
3,3'-dichlorobenzidine	**0% / 0%**	10-130%	076SS-0020M-0001-SO
3-nitroaniline	**8% / 12%**	25-110%	
4-chloroaniline	5% / 7%	10-95%	
4-nitroaniline	19% / 23%	35-115%	

- Internal Standards Performance: The internal standard retention times and area counts were within the DoD QSM Table F-4 control limits established by the midpoint initial

calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the samples validated at Level IV. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD. The samples had a 2-ml final extract volume, resulting in an effective 2× dilution. No further dilutions were required.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the samples, and for calibration and QC data associated with the sample data, primarily to correct for peaks missed or incorrectly chosen by the data system, or to correct for poor baseline integration. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: There was 1 field blank and 1 equipment rinsate associated with validated sample 076SS-0020M-0001-SO. The field blank and equipment rinsate had no target compound detects. The validated subsurface soil samples had no associated field QC samples.

    - Field Duplicate Samples: Eleven soil and one sediment field duplicate samples were collected and analyzed for SVOCs. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, the results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

SVOC field duplicate outliers				
Primary Sample	**Field Duplicate**	**Analyte**	**RPD**	**W/In LOQ**
076SB-0110M-0001-SO	076SB-0111M-0001-SO	Pyrene	86	N/A
		Anthracene	N/A	No
		Benzo(a)anthracene	N/A	No
		Chrysene	N/A	No
		Fluoranthene	N/A	No
		Phenanthrene	N/A	No
076SB-0112M-0001-SO	076SB-0113M-0001-SO	Fluoranthene	N/A	No
		Phenanthrene	N/A	No
		Pyrene	N/A	No
		Benzo(a)anthracene	N/A	No
		Benzo()pyrene	N/A	No
		Benzo(g,h,i)perylene	N/A	No
		Benzo(k)fluoranthene	N/A	No
		Chrysene	N/A	No
076SD-0009-0001-SO	076SD-0010-0001-SO	2-Methynaphthalene	N/A	No
		Benzo(g,h,i)perylene	N/A	No
		Benzo(k)fluoranthene	N/A	No
		Naphthalene	N/A	No
076SS-0020M-0001-SO	076SS-0021-0001-SO	Chrysene	N/A	No
		Fluoranthene	N/A	No

8.2.6 Volatile Organic Compounds (VOCs)

A total of 58 primary soil samples and 10 field duplicate samples were analyzed by TA-North Canton for volatile compounds by USEPA Method 8260B. A total of 4 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.
- GC/MS Tuning: The BFB tunes met the method abundance criteria. The samples were analyzed within 12 hours of the BFB injection time.
- Calibration: Calibration criteria listed in DoD QSM Table F-4 were met, with exceptions noted below.
    - Initial calibration average RRFs and ICV and CCV RRFs were within the control limits of ≥0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane, and ≥0.10 for chloromethane, bromoform, and 1,1-dichloroethane.
    - All initial calibration %RSDs were within the method control limits of ≤30% for the CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.
    - All second source initial calibration verification standard recoveries were within the control limit of ±20%.
    - Continuing calibration %Ds affecting validated sample data were within the method control limit of ≤20%.

- MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%, with exceptions listed in the table below. The sample results, all nondetects, were qualified as estimated, "UJ," and coded with a "C" qualification code.

Samples qualified for MRL recovery outliers		
Analyte	**% Recovery**	**Qualified Sample(s)**
2-hexanone	63%	076SB-0094M-0001-SO
methyl isobutyl ketone	69%	076SB-0102M-0001-SO

- Blanks: The method blanks associated with the validated samples had no target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ, and no common laboratory contaminants detected above the LOQ. Acetone was detected below the LOQ at 6.4(J) µg/Kg in the method blank associated with sample 076SS-0020M-0001-SO; therefore, the result for acetone (26 µg/Kg) in the sample was qualified as nondetected, "U," at the level of contamination, since the result was above the LOD of 7.3 µg/Kg. The qualified result was coded with a "B" qualification code.

  The method blanks associated with the remaining samples had detects below the LOQ for 2-hexanone, acetone, and methylene chloride; however, the associated samples had no detects for the method blank contaminants, and required no qualification.

- Laboratory Control Samples: LCS recoveries were within the control limits listed in DoD QSM Table G-4.

- Surrogate Recovery: Surrogate recoveries affecting sample data were within the control limits listed in DoD QSM Table G-3, with the exception of BFB recovered below the control limits of 85-120% at 81% in sample 076SB-0094M-0001-SO. The sample was reanalyzed, with similar results, indicating a matrix effect on the surrogate. Results were qualified as estimated, "J," for detects, and "UJ," for nondetects. The qualified results were coded with an "S" qualification code.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 076SS-0020M-0001-SO. The MSD had recoveries marginally below the control limits of 75-125% for chlorobenzene (69%), ethylbenzene (71%), styrene (67%), and total xylenes (69%); however, qualifications were not assigned if recoveries were not out of control limits in both the MS and MSD. The remaining recoveries were within the control limits listed in DoD QSM Table G-5. All RPDs were within the control limit listed in DoD QSM Table F-4.

- Internal Standards Performance: The internal standard area counts and retention times were within DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the validated samples. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual integrations: Manual integrations were not performed for the validated samples or for associated calibration and QC samples.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Trip Blanks: The trip blanks associated with the validated samples in this SDG had no reportable detects affecting sample results.

    - Field Blanks and Equipment Rinsates: There was 1 field blank and 1 equipment rinsate associated with validated sample 076SS-0020M-0001-SO. The field blank had detects below the LOQ for acetone, bromodichloromethane, toluene, dibromochloromethane, 2-butanone, and chloroform, and the equipment rinsate also had a detect below the LOQ for chloroform; however, none of the field QC contaminants were present or reportable in the validated site sample. The validated subsurface soil sample had no associated field QC samples.

    - Field Duplicate Samples: Ten field duplicate samples were collected and analyzed for VOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, the results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

VOCs field duplicate outliers				
Primary Sample	**Field Duplicate**	**Analyte**	**RPD**	**W/In LOQ**
076SS-0020M-0001-SO	076SS-0020M-0001-SO	Acetone	N/A	No

8.2.7 Metals

A total of 78 primary soil samples and 11 soil field duplicate samples, 4 primary sediment samples and 1 field duplicate sample were analyzed by TA-North Canton for various metals by USEPA Methods 6020 and 7470A/7471A. A total of 5 primary soil samples and one sediment sample were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Except as noted below, calibration criteria were met.

  - As per DoD QSM Table F-8, the mass calibrations were ≤0.1 amu of the true values and the resolutions were <0.9 amu at full width at 10% peak height. Except as noted below, the %RSDs were within the control limit listed in the DoD QSM Table F-8 of ≤5%. The detected results listed in the table below were qualified as estimated, "J," and were coded with an "M" qualification code.

Samples qualified for tune %RSD outliers		
Analyte	**%RSD**	**Qualified Samples**
^{78}Selenium	20.43%	076SD-0009-0001-SO
	11.59%	076SS-0020M-0001-SO
^{137}Barium	19.32%	076SB-0094-0001-SO, 076SB-0096-0001-SO, 076SB-0102M-0001-SO
	19.30%	076SB-0114M-0001-SO
^{138}Barium	7.81%	076SB-0094-0001-SO, 076SB-0096-0001-SO, 076SB-0102M-0001-SO
	6.88%	076SB-0114M-0001-SO

  - Initial calibration: Linear regression correlation coefficients were within the control limit listed in the DoD QSM Tables F-7 and F-8 of ≥0.995.

  - The ICPMS ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-8 of 90-110%. The mercury ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-7 of 90-110% and 80-120%, respectively.

  - CRI/MRL recoveries affecting sample results were within the control limits listed in DoD QSM Tables F-7 and F-8 of 80-120%, with one exception. A thallium recovery was above the control limit at 121%; therefore, thallium detected in 076SS-0020M-0001-SO was qualified as estimated with potential positive bias, "J+," and coded with a "C" qualification code.

- Blanks: Except as noted below, method blanks had no applicable detects above the control limits listed in DoD QSM Tables F-7 and F-8 of one-half the LOQ or greater than one-tenth the amount measured in any sample. CCBs had no detects, affecting sample results, above the control limit listed in DoD QSM Tables F-7 and F-8 of greater than the LOD.

  Mercury was detected in two method blanks at 0.027 and 0.0276 mg/kg; therefore, as mercury detected in 076SD-0009-0001-SO and 76SS-0020M-0001-SO was qualified as nondetected, "U," at the levels of contamination. The qualified results were coded with a "B" qualification code.

- Interference Check Samples: ICPMS ICSA and ICSAB recoveries were within the control limits listed in DoD QSM Table F-8 of 80-120%. There were no analytes affecting sample results detected in the ICSA above the control limit listed in DoD QSM Table F-8 of >LOD.

- Laboratory Control Samples: The recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%.

- Laboratory Duplicates: Laboratory duplicate analyses were performed on 068SS-0003M-0001-SO, 076SD-0009-0001-SO, 076SS-0020M-0001-SO, 073SS-0003M-0001-SO, 068SD-0009-0001-SO, 076SW-0013-0001-SW, 072SB-0063-0001-SO, 076SB-0090M-0001-SO, 076SB-0091M-0001-SO and 076SB-0100M-0001-SO for all analytes. There was also a duplicate performed on 075TR-0002-0001-SO for mercury. Except as listed below, RPDs were within the control limits listed in DoD QSM Tables F-7 and F-8 of ≤20%. RPDs were only assessed for common detects ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Results listed below were qualified as estimated, "J," for detects and, "UJ," for nondetects. The qualified results were coded with an "E" qualification code.

Samples qualified for laboratory duplicate outliers			
Parent sample	**Analyte**	**RPD**	**Qualified samples**
076SD-0009-0001-SO	Chromium	23%	076SD-0009-0001-SO
072SB-0063-0001-SO	Manganese	36%	076SB-0094-0001-SO, 076SB-0096-0001-SO, 076SB-0102M-0001-SO, 076SB-0114M-0001-SO
076SB-0090M-0001-SO	Lead	24%	

- Matrix Spike/Matrix Spike Duplicate: Matrix spike analyses were performed on 068SS-0003M-0001-SO, 076SD-0009-0001-SO, 076SS-0020M-0001-SO, 073SS-0003M-0001-SO, 068SD-0009-0001-SO, 076SW-0013-0001-SW, 072SB-0063-0001-SO, 076SB-0090M-0001-SO, 076SB-0091M-0001-SO and 076SB-0100M-0001-SO for all analytes. There was also a matrix spike performed on 075TR-0002-0001-SO for mercury. Except as noted below, recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%. Matrix spike control limits were not applied when the native sample concentration exceeded the spiked amount by a factor of four or more.

  The *National Functional Guidelines* calls for the estimation of nondetected data associated with matrix spike recoveries less than 30% and acceptable post digestion spike recoveries. However, it was the reviewer's professional judgment that the poor antimony recoveries observed for this and other CR Sites was a systemic problem associated with the sample digestion. Therefore, nondetected antimony in 076SD-0009-0001-SO, which was associated with recoveries below 30%, was rejected, "R."

  The remaining results listed in the table below, all detects, were qualified as estimated, "J," and coded with a "Q" qualification code. When no other qualifications with conflicting bias were assigned to a result, detected results with low recoveries were assigned a negative

bias, "J-," and detected results with high recoveries were assigned a positive bias, "J+." As per the *National Functional Guidelines*, all samples in the SDG were qualified.

Samples qualified for matrix spike recovery outliers			
Parent Sample	**Analyte**	**%R**	**Sample qualified**
076SD-0009-0001-SO	antimony	30%	076SD-0009-0001-SO
	calcium	143%	
	nickel	71%	
	potassium	128%	
	vanadium	122%	
076SS-0020M-0001-SO	antimony	25%	076SS-0020M-0001-SO
	arsenic	70%	
	selenium	71%	
072SB-0063-0001-SO	silver	39%	076SB-0094-0001-SO, 076SB-0096-0001-SO, 076SB-0102M-0001-SO, 076SB-0114M-0001-SO
	arsenic	0%	
	calcium	193%	
	cadmium	60%	
	chromium	79%	
	cobalt	52%	
	copper	16%	
	nickel	39%	
	antimony	28%	
	potassium	70%	
	selenium	25%	
076SB-0090M-0001-SO	arsenic	78%	
	antimony	25%	
	selenium	71%	
076SB-0091M-0001-SO	antimony	26%	
	selenium	71%	
076SB-0100M-0001-SO	beryllium	79%	
	antimony	19%	
	potassium	74%	
	selenium	72%	

All post digestion spike recoveries were within the control limits listed in DoD QSM Table F-8 of 75-125%.

- Serial Dilution: Serial dilution analyses were performed on 076SS-0020M-0001-SO, 076SW-0013-0001-SW, 072SB-0063-0001-SO, 076SB-0090M-0001-SO, 076SB-0091M-0001-SO and 076SB-0100M-0001-SO. A %D for zinc associated with samples 076SB-0094-0001-SO, 076SB-0096-0001-SO, 076SB-0102M-0001-SO and 076SB-0114M-0001-SO exceeded the control limit at 11%; therefore, the zinc detected in the samples was qualified as estimated, "J," and coded with an "A" qualification code. All remaining serial dilution %Ds were within the control limits listed in DoD QSM Table F-8 of ≤10%. The serial dilution control limit is only applicable when the original sample concentration is minimally ≥50× the LOQ.

- Internal Standards: All ICPMS sample internal standards intensities were within 30-120% of those in the ICV, as per the DoD QSM Table F-8. Yttrium (^{89}Y) was spiked into the QC samples but not samples 076SB-0094-0001-SO, 076SB-0096-0001-SO, 076SB-0102M-0001-SO and 076SB-0114M-0001-SO.

- Sample Result Verification: For Level IV validation, calculations were verified and the sample result reported on the sample result summary was verified against the raw data. Antimony, barium, lead and thallium were reported from 5× dilutions in sample 076SD-0009-0001-SO. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

- Manual Integrations: No manual integrations were noted in the mercury analyses.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There was 1 field blank and 1 equipment rinsate associated with validated sample 076SS-0020M-0001-SO. Except as noted below, there were no detects affecting sample results found in the field QC samples. Analytes listed in the table below were qualified as nondetected, "U," at the level of contamination if detected above the LOD or at the LOD if detected below. The qualified results were coded with an "F" qualification code.

Samples qualified for field QC detects			
Parent sample	**Analyte**	**Detect (µg/L)**	**Qualified sample**
070-0057-0001-Source Water	Sodium	1600	076SS-0020M-0001-SO
076-0067-0001-ER	Thallium	0.75	

  - Field Duplicate Samples: Eleven soil, one sediment, and one surface water field duplicate samples were collected and analyzed for metals. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, the results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

Metals field duplicate outliers				
Primary Sample	**Field Duplicate**	**Analyte**	**RPD**	**W/In LOQ**
076SD-0009-0001-SO	076SD-0010-0001-SO	Chromium	55	N/A

8.3 Data Usability

According to the Draft Site Inspection Report prepared by ECC, the field completeness was 100%.

Ten data points were rejected for poor calibration standard recoveries or poor MS/MSD recoveries. In instances where a data point had multiple results, the reviewer chose the most technically sound result to report and rejected the remaining data points. Those data points, rejected in order to choose the most technically sound result, do not affect data quality or usability and are not included in the table below. Data with LODs that exceeded the established criteria and data estimated for quality control outliers or for detects between the DL and the LOQ were included in the table below for informational purposes only.

Table 27. Analytical completeness for RVAAP-76 validated primary data

			Number of Results					
Analysis	**Samples Analyzed**	**Analytes per Sample**	**Total**	**Rejected**	**LODs/DLs Exceeding Criteria**	**Estimated for QC Outliers**	**Estimated for Detects <LOQ**	**Percent Complete**
Explosives*	3	16	39	0	0/0	5	1	100%
Nitroguanidine	1	1	1	0	0/0	0	0	100%
Nitrocellulose	1	1	1	0	0/0	0	0	100%
PCBs	2	7	14	0	0/0	0	0	100%
Pesticides	1	21	21	0	0/0	1	0	100%
VOCs	4	47	141	0	0/0	38	3	100%
SVOCs	6	66	396	9	0/0	13	12	97.7%
Metals	6	23	138	1	2/0	78	25	99.3%
		Totals	**751**	**10**	**2/0**	**135**	**41**	**98.7%**

*Total analyte count affected by data rejected as duplicate.

The analytical completeness goal for the project established in the FWQAPP was 90% for each method. The completeness goal was met for all analyses.

8.4 Primary and Field Duplicate Comparison Summary

Primary and field duplicate sample comparisons were considered to be in good agreement as only 1.5% of the field duplicate pair results were above the FWQAPP control limits of ≤50% for soils, ≤30% for waters, or +/- the LOQ for results below 5× the LOQ. Rejected results are not listed in the table below.

Most of the outliers were SVOCs. All comparison results are presented in Appendix C.

Table 28. RVAAP-76 primary/field duplicate sample comparison summary

Method	Primary/Field Duplicate Pairs	Number of Analytes	Total Analytes	Number of results within control limits	Number of results above control limit
Explosives	6	16	90	90	0
Nitroguanidine	6	1	6	6	0
Nitrocellulose	6	1	6	6	0
PCBs	6	7	42	42	0
Pesticides	1	21	21	21	0
VOCs	10	34	337	336	1
SVOCs	11	66	717	322	20
Metals	11	23	253	252	1

8.5 Specific Data Concerns

Specific concerns regarding the data are noted below:

- Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

In order to avoid repetition of the issues noted above, the following actions should be taken:

- MEC^X recommends the laboratory be requested to alter the IPCMS and mercury instrument set up in order to report mercury and ICPMS raw absorbances and ICPMS ICV, CCV, ICSAB, and MRL concentrations.

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9 QUARRY POND SURFACE DUMP, RVAAP-78

9.1 Current Investigation

ECC completed an RI at the Quarry Pond Surface Dump (RVAAP-78). The work was performed in accordance with the *Site Inspection and Remedial Investigation Work Plan* (ECC 2012) and the *Facility-Wide Sampling and Analysis Plan* (SAIC 2011).

RVAAP-78 consists of three debris piles located at the bases of steep rocky slopes. Debris Pile A is approximately 425 feet in length varying in surface width from 18 to 68 feet and consists of construction debris, scrap metal, cultural debris, and asbestos-containing materials. Debris Pile B is smaller, at approximately 296 feet in length and 24 feet wide. A rusted 55-gallon drum and an apparent burn area (approximately 20 feet by 20 feet) are located within Debris Pile B. Debris Pile C is approximately 120 feet by 45 feet. This pile is suspected to contain asbestos-containing material, construction debris, scrap metal, and unidentified materials. A second rusted 55-gallon drum was located within this area.

The data validated in this report are part of the intrusive RI at RVAAP-78 conducted to assess the potential presence of contamination. The total sample counts, samples selected for data validation, and the field duplicates are presented in the tables below.

Table 29. Total sample count for RVAAP-78

Matrix	Primary Samples	Field Duplicates	Split Samples	Primary Sample Counts						
				Explosives	Propellants	PCBs	Pesticides	SVOCs	VOCs	Metals
Soil	34	3	3	5	29	29	5	29	25	29

Table 30. RVAAP-78 validated samples and methods

Sample ID	SDG	Matrix	Collected	Explosives	Propellants	PCBs	Pesticides	SVOCs	VOCs	Metals
078SB-0008M-0001-SO	240-22559-1	Soil	3/26/2013	--	--	x	--	x	x	x
078SB-0016M-0001-SO	240-22559-1	Soil	3/26/2013	x	x	x	x	x	x	x

Table 31. RVAAP-78 field duplicate samples

Duplicate Sample ID	Parent Sample
078SB-0009M-0001-SO	078SB-0056M-0001-SO
078SB-0018M-0001-SO	078SB-0017M-0001-SO
078SB-0026M-0001-SO	078SB-0025M-0001-SO

9.1.1 Sample Collection

Corrections were made to the chains-of-custody by obliterating the original entry. The corrections were not initialed or dated. The chains-of-custody were appropriately signed and dated by field and laboratory personnel. According to the laboratory Sample Receipt Form, custody seals were not utilized; however, in reviewing the relinquished and receipt times, it appeared the samples were transferred to the laboratory by courier. No other sample collection issues were noted.

9.1.2 Data Completeness

Data completeness for the project described in this report was found to be generally acceptable as no deliverables were missing from the SDGs reviewed.

9.1.3 Preservation and Holding Time Requirements

A portion of the samples were received at temperatures nominally below the 4 ±2^{o}C control limit; however, as the samples were not noted to be frozen or damaged, no qualifications were required. All remaining method preservation requirements were met. Holding times, as listed in Table 3, were met.

9.1.4 Detection Limit Requirements

LODs and DLs for nondetected analytes were compared against the most stringent CUGs listed in Tables 5-8, 5-9, and 5-10 of *Final Facility-Wide Human Health Cleanup Goals for the Ravenna Army Ammunition Plant* (2010) or the RSLs if no CUG was listed. No results exceeded the project criteria.

9.2 RVAAP-78 Data Quality Evaluation

This section summarizes the data quality of validated samples for each analytical method evaluated.

9.2.1 Explosives

A total of 5 primary soil samples were analyzed by TA-West Sacramento for explosives by USEPA SW-846 Methods 8330 and 8330B. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration:
    - The initial calibration average %RSDs were within the control limits listed in DoD QSM Table F-3 of ≤15%, or the linear regression r^2 values were ≥0.990.
    - The second source ICV standard recoveries were within the control limit listed in DoD QSM Table F-3 of ±20%.

- The CCV standard %Ds were within the control limits listed in DoD QSM Table F-3 of ±20%.

- Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. Low-level MRL standards were analyzed in association with the validated sample and the results were within the reasonable control limits of 70-130%.

- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in DoD QSM Table F-3 of one-half the LOQ.

- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Tables G-2 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%).

- Surrogate Recovery: As no surrogate control limit was listed in the DoD QSM, surrogate recoveries were assessed against the reasonable laboratory-established control limits of 78-118%. Recoveries were within the control limits.

- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on the validated sample. Method accuracy was evaluated based on LCS results.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: As no target compounds were detected in the sample validated at Level IV, compound quantification was verified for a portion of the LCS results. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  As no target compounds were detected on the primary column, a confirmation analysis was not performed.

  Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in sample 078SB-0016M-0001-SO. As there were no detects for these compounds, the reviewer chose to report the results with the lowest LODs. The 8330B results for all three compounds were rejected, "R," as duplicate data and coded with a "D" qualification code.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed. All manual integrations were performed in order to report incompletely resolved peaks or to account for baseline anomalies and were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: There were no field QC samples associated with the validated sample.

    - Field Duplicates: No field duplicate samples were collected for explosive compounds.

9.2.2 Propellants

A total of 29 primary soil samples and 2 field duplicate sample were analyzed by TA-West Sacramento for nitroguanidine by USEPA SW-846 Method 8330 and for nitrocellulose by laboratory SOP WS-WC-0050. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration:

    - The nitroguanidine initial calibration average percent %RSD was within the control limit listed in DoD QSM Table F-2 of ≤20%. The nitrocellulose linear regression correlation coefficient was within the control limit listed in the DoD QSM Table F-11 of ≥0.995.

    - The nitroguanidine second source ICV recovery was within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose ICV recovery was within the control limits listed in DoD QSM Table F-11 of 90-110%.

    - The nitroguanidine CCV recoveries were within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose CCV recoveries were within the control limits listed in DoD QSM Table F-11 of 90-110%.

    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL recoveries associated with the sample were within the reasonable control limits of 70-130%.

- Blanks: The method blanks had no target compound detects above the control limits listed in DoD QSM Tables F-2 and F-11 of one-half the LOQ.

- Laboratory Control Samples: No nitroguanidine or nitrocellulose LCS control limits are listed in the DoD QSM; therefore, the laboratory control limits were used to assess the results. The nitroguanidine recovery was within the control limits of 72-121% and the nitrocellulose recovery was within the laboratory-established control limits of 34-115%.

- Surrogate Recovery: A surrogate was not required for the analysis of nitroguanidine or nitrocellulose.

- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on the validated sample. Method accuracy was evaluated based on LCS results.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the sample validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Nitroguanidine was not detected in the validated sample; therefore, confirmation analysis was not required.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some manual integrations were performed for nitroguanidine. The manual integrations were performed to correct baseline integration. The manual integrations were deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There were no field QC samples associated with the validated sample.

  - Field Duplicates: Two field duplicate samples were collected and analyzed for nitroguanidine and nitrocellulose. The RPD criterion in FWQAPP Table 3-1 of ≤50% for soil samples and Table 3-2 of ≤30% for aqueous samples was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

9.2.3 Polychlorinated Biphenyls (PCBs)

A total of 29 primary soil samples and 2 field duplicate samples were analyzed by TA-North Canton for PCBs by USEPA SW-846 Method 8082. A total of 2 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Calibration criteria were met, with the exception noted below.

- Initial calibration average %RSDs were within the control limit listed in the DoD QSM Table F-2 of ≤20%, or the correlation coefficients were ≤0.990.

- The second source ICV recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20% for all applicable Aroclors, with the exception of Aroclor 1221 in the ICV associated with sample 078SB-0008M-0001-SO. One of three peaks for Aroclor 1221 on the CLP-1 column was missed by the data system due to coelution, and was not manually integrated. The CLP-2 column ICV for Aroclor 1221 was acceptable. The nondetected result for Aroclor 1221 in sample 078SB-0008M-0001-SO was qualified as estimated, "UJ," and coded with a "C" qualification code.

- The CCV standard recoveries affecting sample results were within the control limit listed in the DoD QSM Table F-2 of ±20%. A few individual Aroclor peak %Ds exceeded the control limit; however, as they were associated with high recoveries, the nondetected sample results were not qualified.

- MRL standard recoveries affecting sample results were within the reasonable control limit of ±30%. A few recoveries were nominally above the control limit; however, as there were no detects in the site samples, no qualifications were applied.

- Blanks: The method blank associated with the validated samples had no target compound detects above the control limit listed in the DoD QSM Table F-2, of one-half the LOQ for target compounds.

- Laboratory Control Samples: Recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Table G-17.

- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 60-125%.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on a validated sample. Evaluation of method accuracy was based on the LCS results.

- Compound Identification: Compound identification was verified for the validated samples. Review of the sample chromatograms, standards, and retention times indicated no problems with target compound identification. The samples were analyzed on two analytical columns; however, the samples had no Aroclor detects.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated samples. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data associated with the sample data, primarily to correct poor baseline integration or to correctly split previously incorrectly split peaks. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated samples for RVAAP-78.

    - Field Duplicates: Two soil field duplicate samples were collected and analyzed for PCBs. The RPD criteria in FWQAPP Table 3-1 of ≤50% for soils and ≤30% for waters were only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. The results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

9.2.4 Pesticides

A total of 5 primary soil samples were analyzed by TA-North Canton for pesticides by USEPA SW-846 Method 8081. A single primary soil sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Calibration criteria listed in the DoD QSM Table F-2 were met with the exceptions noted below.

    - Initial calibration average %RSDs were within the control limit of ≤20%.

    - The PEM %breakdown results were within the DoD QSM Table F-2 control limit of ≤15%.

    - Both columns had individual toxaphene peaks with %Ds exceeding the control limit. Column CLP-1 had two outliers at -26.2% and 40.5%, and column CLP-2 had three outliers at -33.9%, -38.1, and 60.1%. The nondetected result for toxaphene in sample 078SB-0016M-0001-SO was qualified as estimated, “UJ,” and coded with a “C” qualification code. The remaining second source ICV recoveries were within the control limit of ±20%.

    - The CCV standard recoveries affecting sample data were within the control limit of ±20%.

    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the

reasonable control limit of ±30%, with the exception of the recovery of 68% for 4,4'-DDD in the opening MRL. The nondetected result for 4,4'-DDD in sample 078SB-0016M-0001-SO was qualified as estimated, "UJ," and coded with a "C" qualification code. Several other recoveries were nominally above the control limit; however, none of the high recovery outliers were detected in the validated sample.

- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in the DoD QSM Table F-2, of one-half the LOQ.

- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Table G-15. Toxaphene was not spiked in the LCS sample.

- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 60-125%.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on the validated sample. Evaluation of method accuracy was based on the LCS results.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatograms, standards, and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data, primarily to correct poor baseline integration or to re-integrate incorrectly split peaks. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated sample for RVAAP-78.

    - Field Duplicate Samples: No field duplicate samples were collected from RVAAP-78 for pesticide compounds.

9.2.5 Semivolatile Organic Compounds (SVOCs)

A total of 29 primary soil samples and 2 field duplicate sample were analyzed by TA-North Canton for SVOCs by USEPA Method 8270C. A total of 2 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.
- GC/MS Tuning: The DFTPP tunes met the method abundance criteria. The samples were analyzed within 12 hours of the DFTPP injection time.
- Calibration: Calibration criteria listed in the DoD QSM Table F-4 were met, with exceptions affecting sample results noted below.
    - Initial calibration average RRFs and ICV and CCV RRFs were within method control limits of ≥0.050. All initial calibration %RSDs were within the control limits of ≤30% for CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.
    - All second source ICV standard recoveries affecting retained sample data were within the control limit of ±20%.
    - Continuing calibration %Ds affecting retained sample data were within the control limit of ≤20%.
    - MRL standard recoveries were within the reasonable control limit of ±30%, with exceptions affecting sample data noted in the table below. The results listed in the table below were qualified as estimated, "UJ," for nondetects and, "J," for detects. All qualified results were coded with a "C" qualification code.

Samples qualified for MRL %R outliers		
Analyte	**%R**	**Qualified Samples**
2,4-dinitrophenol	15%	078SB-0008M-0001-SO 078SB-0016M-0001-SO
4,6-dinitro-2-methylphenol	13%	
Hexachloroethane	63%	
Benzo(g,h,i)perylene	62%	

- Blanks: The method blanks had no target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ for target compounds, and no common laboratory contaminants detected above the LOQ.
- Laboratory Control Samples: All LCS recoveries were within the control limits listed in DoD QSM Tables G-2 (poor performers) and G-7. The reviewer noted hexachlorocyclopentadiene was not spiked in the LCS. Additionally, the LCS reported no recovery of benzoic acid. Upon review of the raw data, the reviewer determined that benzoic acid was spiked below the LOD but was acceptably recovered.

- Surrogate Recovery: All surrogate recoveries were within the control limits listed in the DoD QSM Tables G-2 (poor performers) or G-3.

- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on a validated sample. Method accuracy was evaluated based on LCS results.

- Internal Standards Performance: The internal standard retention times and area counts were within the DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the samples validated at Level IV. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the samples validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD. The samples had a 2-ml final extract volume, resulting in an effective 2× dilution. No further dilutions were required.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the samples, and for calibration and QC data associated with the sample data, primarily due to peaks missed or incorrectly chosen by the data system, or poor baseline integration. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: There were no field blank or equipment rinsate samples associated with the RVAAP-78 samples.

    - Field Duplicate Samples: Two field duplicate samples were collected and analyzed for SVOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% for soil samples was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

9.2.6 Volatile Organic Compounds (VOCs)

A total of 25 primary soil samples and 3 field duplicate samples were analyzed by TA-North Canton for volatile compounds by USEPA Method 8260B. A total of 2 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.
- GC/MS Tuning: The BFB tunes met the method abundance criteria. The samples were analyzed within 12 hours of the BFB injection time.
- Calibration: Calibration criteria listed in DoD QSM Table F-4 were met.
    - Initial calibration average RRFs and ICV and CCV RRFs were within the control limits of ≥0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane, and ≥0.10 for chloromethane, bromoform, and 1,1-dichloroethane.
    - All initial calibration %RSDs were within the method control limits of ≤30% for the CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.
    - All second source ICV standard recoveries were within the control limit of ±20%.
    - Continuing calibration %Ds affecting validated sample data were within the control limit of ≤20%
    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%. Several recoveries were marginally above the control limits; however, none of the compounds with high recoveries were detected in the associated samples.
- Blanks: The method blanks associated with the validated samples had no target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ, and no common laboratory contaminants detected above the LOQ. Methylene chloride was detected below the LOQ in both method blanks at concentrations of 3.14(J) µg/Kg and 4.25(J) µg/Kg. Sample results for methylene chloride were qualified as nondetects, "U," at the level of contamination. The qualified results were coded with a "B" qualification code.
- Laboratory Control Samples: LCS recoveries were within the control limits listed in DoD QSM Table G-4.
- Surrogate Recovery: BFB was recovered below the control limits of 85-120% at 84% the analysis of sample 078SB-0008M-0001-SO. The detected result for toluene was qualified as estimated, "J," and the remaining nondetected results were qualified as estimated, "UJ." The qualified results were coded with an "S" qualification code. Remaining surrogate recoveries affecting sample data were within the control limits listed in DoD QSM Table G-3.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on a validated sample. Evaluation of method accuracy was based on the LCS results.

- Internal Standards Performance: The internal standard area counts and retention times were within DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: -50% / +100% for internal standard areas and ±30 seconds for retention times.

- Compound Identification: Compound identification was verified for the validated samples. Review of the sample chromatogram, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated samples. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual integrations: Manual integrations were not performed for the validated samples or for associated calibration and QC samples.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Trip Blanks: The trip blanks associated with the validated samples in this SDG had detects below the LOQ for acetone and methylene chloride; however, neither compound was detected in the associated samples. The trip blanks had no other reportable detects above the DL.

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated samples for RVAAP-78.

    - Field Duplicate Samples: One field duplicate sample was collected and analyzed for VOCs. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

9.2.7 Metals

A total of 29 primary soil samples and 2 field duplicate samples were analyzed by TA-North Canton for various metals by USEPA Methods 6020 and 7471A. A total of 2 primary soil samples were validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration: Calibration criteria were met.
    - As per DoD QSM Table F-8, the mass calibrations were ≤0.1 atomic mass units (amu) of the true values and the resolutions were <0.9 amu at full width at 10% peak height. The %RSDs were within the control limit listed in the DoD QSM Table F-8 of ≤5%.
    - Initial calibration: Linear regression correlation coefficients were within the control limit listed in the DoD QSM Tables F-7 and F-8 of ≥0.995.
    - The ICPMS ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-8 of 90-110%. The mercury ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-7 of 90-110% and 80-120%, respectively.
    - CRI/MRL recoveries affecting sample results were within the control limits listed in DoD QSM Tables F-7 and F-8 of 80-120%.
- Blanks: Method blanks had no applicable detects above the control limits listed in DoD QSM Tables F-7 and F-8 of one-half the LOQ or greater than one-tenth the amount measured in any sample. CCBs had no detects affecting sample results above the control limit listed in DoD QSM Tables F-7 and F-8 of greater than the LOD.
- Interference Check Samples: ICPMS ICSA and ICSAB recoveries were within the control limits listed in DoD QSM Table F-8 of 80-120%. There were some analytes detected in the ICSA above the control limit listed in DoD QSM Table F-8 of >LOD; however, as most interferents were present in the sample at concentrations less than 50% of that in the ICSA, the samples were not assessed for matrix interference.
- Laboratory Control Samples: The recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%. All 6020 RPDs were within the control limit listed in DoD QSM Table F-8 of ≤20%.
- Laboratory Duplicates: Laboratory duplicate analyses were performed on 078SB-0006M-0001-SO and 078SB-0015M-0001-SO for all analytes and on 078SB-0031M-0001-SO for mercury. The RPD control limit listed in DoD QSM Tables F-7 and F-8 was ≤20%. The control limit was only applied to results ≥5× the LOQ. A control limit of ±LOQ was used for results below 5× the LOQ. All results were within the control limits.

- Matrix Spike/Matrix Spike Duplicate: Matrix spike analyses were performed on samples 078SB-0006M-0001-SO and 078SB-0015M-0001-SO for all analytes and on 078SB-0031M-0001-SO for mercury. Except as noted below, recoveries were within the control limits listed in DoD QSM Table G-19 of 80-120%. Matrix spike control limits were not applied when the native sample concentration exceeded the spiked amount by 4× or more.

  The results listed in the table below were qualified as estimated, "J," for detects and, "UJ," for nondetects. The qualified results were coded with a "Q" qualification code. When no other qualifications with conflicting bias were assigned to a result, detected results with low recoveries were assigned a negative bias, "J-," and detected results with high recoveries were assigned a positive bias, "J+."

Samples qualified for matrix spike recovery outliers			
Parent Sample	**Analyte**	**%R**	**Qualified Samples**
078-0006M-0001-SO	Arsenic	72%	078SB-0008M-0010-SO, 078SB-0016M-0001-SO
	Manganese	122%	
	Antimony	68%	
	Selenium	35%	
078SB-0015M-0001-SO	Arsenic	67%	078SB-0008M-0010-SO, 078SB-0016M-0001-SO
	Antimony	69%	
	Selenium	51%	

  Post digestion spike analyses were performed on 078SB-0006M-0001-SO and 078SB-0015M-0001-SO for the ICPMS analytes. All recoveries were within the control limits listed in DoD QSM Table F-8 of 75-125%.

- Serial Dilution: Serial dilution analyses were performed on samples 078SB-0006M-0001-SO and 078SB-0015M-0001-SO. The %Ds were within the control limit listed in DoD QSM Table F-8 of ≤10%. The serial dilution control limit is only applicable when the original sample concentration is minimally ≥50× the LOQ.

- Internal Standards: All ICPMS sample internal standards intensities were within 30-120% of those in the ICV, as per the DOD QSM Table F-8. Yttrium (^{89}Y) was spiked into the QC samples but not the site samples.

- Sample Result Verification: For Level IV validation, calculations were verified and the sample results reported on the sample result summary were verified against the raw data. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

- Manual Integrations: No manual integrations were noted in the mercury analyses.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There were no field blank or equipment rinsate samples associated with the validated samples at RVAAP-78.

  - Field Duplicate Samples: A total of two field duplicate samples were collected and analyzed for metals. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. Except as noted below, the results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

Metals field duplicate outliers			
Primary/Field Duplicate Sample	**Analyte**	**RPD**	**W/In LOQ**
078SB-0025M-0001-SO/ 078SB-0026M-0001-SO	Aluminum	59%	N/A
	Arsenic	63%	N/A
	Beryllium	69%	N/A
	Calcium	57%	N/A
	Chromium	58%	N/A
	Cobalt	72%	N/A
	Copper	91%	N/A
	Magnesium	59%	N/A
	Vanadium	51%	N/A

9.3 Data Usability

According to the Draft Site Inspection Report prepared by ECC, one VOC sample was not collected due to refusal. Due to this, the field completeness was nominally less than 100%.

No data points were rejected. In instances where a data point had multiple results, the reviewer chose the most technically sound result to report and rejected the remaining data points. Those data points, rejected in order to choose the most technically sound result, do not affect data quality or usability and are not included in the table below. Data with detects between the DL and the LOQ were included in the table below for informational purposes only.

Table 32. Analytical completeness for RVAAP-78 validated primary data

			Number of Results					
Analysis	**Samples Analyzed**	**Analytes per Sample**	**Total**	**Rejected**	**LODs/DLs Exceeding Criteria**	**Estimated for QC Outliers**	**Estimated for Detects <LOQ**	**Percent Complete**
Explosives	1	16	13	0	0/0	0	0	100%
Nitroguanidine	1	1	1	0	0/0	0	0	100%
Nitrocellulose	1	1	1	0	0/0	0	0	100%
PCBs	2	7	14	0	0/0	1	0	100%
Pesticides	1	21	21	0	0/0	2	1	100%
VOCs	2	35	70	0	0/0	36	1	100%
SVOCs	2	66	132	0	0/0	8	3	100%
Metals	2	23	46	0	0/0	8	8	100%
		Totals	**298**	**0**	**0/0**	**55**	**13**	**100%**

The analytical completeness goal for the project established in the FWQAPP was 90% for each method. The completeness goal was met for all analyses.

9.4 Primary and Field Duplicate Comparison Summary

Primary and field duplicate sample comparisons were considered to be in good agreement as only 3.1% of the field duplicate pair results were above the FWQAPP control limits of ≤50% for soils, ≤30% for waters, or +/- the LOQ for results below 5× the LOQ. Rejected results are not listed in the table below.

All field duplicate comparison results are presented in Appendix C. All outliers were metals in field duplicate pair 078SB-0025M-0001-SO/078SB-0026M-0001-SO and all results were higher in the duplicate. All comparison results are presented in Appendix C.

Table 33. RVAAP-78 primary/field duplicate sample comparison summary

Method	**Primary/Field Duplicate Pairs**	**Number of Analytes**	**Total Analytes**	**Number of results within control limits**	**Number of results above control limit**
Metals	2	23	46	35	9
Nitroguanidine	2	1	2	2	0
Nitrocellulose	2	1	2	2	0
PCBs	2	7	14	14	0
SVOCs	2	66	132	132	0
VOCs	3	35	105	105	0

9.5 Specific Data Concerns

Specific concerns regarding the data are noted below:

- Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

In order to avoid repetition of the issues noted above, the following actions should be taken:

- MEC^X recommends the laboratory be requested to alter the IPCMS and mercury instrument set up in order to report mercury and ICPMS raw absorbances and ICPMS ICV, CCV, ICSAB, and MRL concentrations.

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10 DEFENSE LOGISTICS AGENCY ORE STORAGE SITE – MAIN STORAGE YARD, RVAAP-79

10.1 Current Investigation

ECC completed an RI at the Defense Logistics Agency Main Ore Storage Yard (RVAAP-79). The work was performed in accordance with the *Site Inspection and Remedial Investigation Work Plan* (ECC 2012) and the *Facility-Wide Sampling and Analysis Plan* (SAIC 2011).

RVAAP-79 includes the Main Ore Storage Yard and three sub-areas – area west of the railroad, concrete pad storage, and the east transportation yard. These areas are mostly devoid of vegetation. Historical operations conducted at the facility included handling and storage of strategic and critical materials, including various types of ore, for the General Services Administration. The Defense Logistics Agency, Defense National Stockpile Center leased space at the facility for the storage of the ore materials (chemical chrome ore, ferrochrome ore, and metallurgical manganese ore), which were located on the ground. The ores were stockpiled at various locations within RVAAP-79 and were transported to and from these areas via rail.

The data validated in this report are part of the intrusive RI at RVAAP-79 conducted to assess the potential presence of contamination. The sample counts, samples selected for data validation, and the field duplicates are presented in the tables below.

Table 34. Total sample count for RVAAP-79

Matrix	Primary Samples	Field Duplicates	Split Samples	Primary Sample Counts						
				Explosives	Propellants	PCBs	Pesticides	SVOCs	VOCs	Metals
Soil	136	6	11	2	2	2	2	2	2	136
Sediment	4	1*	1	1	1	1	1	1	1	4
Surface Water	4	1*	1	1	1	1	1	1	1	4

*Analyzed for metals only

Table 35. RVAAP-79 validated samples and methods

Sample ID	SDG	Matrix	Collected	Explosives	Propellants	PCBs	Pesticides	SVOCs	VOCs	Metals
079SB-0217M-0001-SO	240-22381-1	soil	3/21/2013	--	--	--	--	--	--	x
079SB-0234M-0001-SO	240-22381-1	soil	3/21/2013	--	--	--	--	--	--	x
079SB-0236M-0001-SO	240-22381-1	soil	3/21/2013	--	--	--	--	--	--	x
079SB-0245M-0001-SO	240-22281-1	soil	3/20/2013	--	--	--	--	--	--	x
079SB-0247M-0001-SO	240-22281-1	soil	3/20/2013	--	--	--	--	--	--	x
079SB-0252M-0001-SO	240-22281-1	soil	3/20/2013	--	--	--	--	--	--	x
079SB-0267M-0001-SO	240-22281-1	soil	3/20/2013	--	--	--	--	--	--	x
079SB-0269M-0001-SO	240-22281-1	soil	3/20/2013	--	--	--	--	--	--	x
079SB-0272M-0001-SO	240-22281-1	soil	3/20/2013	--	--	--	--	--	--	x
079SD-0305-0001-SD	240-22274-1	sediment	3/19/2013	--	--	--	--	--	--	x
079SW-0311-0001-SW	240-22662-1	water	4/1/2013	x	x	x	x	x	x	x

Table 36. RVAAP-79 field duplicate samples

Duplicate Sample ID	Parent Sample
079SB-0319M-0001-SO	079SB-0217M-0001-SO
079SB-0150M-0001-SO	079SB-0234M-0001-SO
079SB-0165M-0001-SO	079SB-0236M-0001-SO
079SB-0325M-0001-SO	079SB-0247M-0001-SO
079SB-0322M-0001-SO	079SB-0267M-0001-SO
079SB-0323M-0001-SO	079SB-0269M-0001-SO
079SD-0306-0001-SD	079SD-0305-0001-SD
079SW-0312-0001-SW	079SW-0311-0001-SW

10.1.1 Sample Collection

The chains-of-custody were appropriately signed and dated by field and laboratory personnel. According to the laboratory Sample Receipt Forms, custody seals were not utilized; however, in reviewing relinquish and receipt times, it appeared the samples were transferred to the laboratory by courier. Other than the items listed below, no sample collection issues were noted.

- Some corrections made to the chains-of-custody were properly made, but were not dated.
- Some corrections were made by overwriting or obliterating the original entry. These corrections were not initialed or dated.

10.1.2 Data Completeness

The data completeness for the project described in this report was found to be generally acceptable for all analyses except metals, as no deliverables were missing from the SDGs reviewed. The metals data was missing the following:

- The ICPMS raw data sequence containing the validated sample was missing in SDG 240-22662-1.

This material was requested from the laboratory and was subsequently provided.

10.1.3 Preservation and Holding Time Requirements

A portion of the samples were received at temperatures below the 4 ±2^{o}C control limit; however, as the samples were not noted to be frozen or damaged, no qualifications were required. All remaining method preservation requirements were met. All holding times, as listed in Table 3, were met.

10.1.4 Detection Limit Requirements

LODs and DLs for nondetected analytes were compared against the most stringent CUGs listed in Tables 5-8, 5-9, and 5-10 of *Final Facility-Wide Human Health Cleanup Goals for the Ravenna Army Ammunition Plant* (2010) or the RSLs if no CUG was listed. No results exceeded project criteria.

10.2 RVAAP-79 Data Quality Evaluation

This section summarizes the data quality of validated samples for each analytical method evaluated.

10.2.1 Explosives

A total of 2 primary soil samples, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-West Sacramento for explosives by USEPA SW-846 Methods 8330 and 8330B. The primary surface water sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration:
    - The initial calibration average %RSDs were within the control limits listed in DoD QSM Table F-3 of ≤15%, or the linear regression r^2 values were ≥0.990.
    - The second source initial calibration verification standard recoveries were within the control limit listed in DoD QSM Table F-3 of ±20%.
    - The CCV %Ds were within the control limits listed in DoD QSM Table F-3 of ±20%.

  - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. Low-level MRL standards were analyzed in association with the validated sample and the results affecting sample results were within the reasonable control limits of 70-130%.

- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in DoD QSM Table F-3 of one-half the LOQ.

- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Tables G-12 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%).

- Surrogate Recovery: As no surrogate control limit was listed in the DoD QSM, surrogate recoveries were assessed against the reasonable laboratory-established control limits of 78-118%. Recoveries were within the control limits.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 079SW-0311-0001-SW. Recoveries were within the control limits listed in DoD QSM Tables G-12 and G-13 and within the reasonable laboratory control limits for nitroglycerin (76-116%) and PETN (76-116%). The RPD were within the control limit listed in DoD QSM Table F-3 of ≤20%.

- Compound Identification: Compound identification was verified for the validated sample. Review of sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: As no target compounds were detected in the sample validated at Level IV, compound quantification was verified for a portion of the LCS and MS/MSD results. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD. As there were no reported detects on the primary column, no confirmation analysis was performed.

  The reviewer noted a solvent mass on the primary column that eluted over the retention time period encompassing most analytes. The following procedure was adopted in order to assess the potential effect of the interference.

  - As no confirmation analysis was performed, the reviewer compared the height of the mass on the primary column to the primary column initial calibration standards, at the retention times of the affected target compounds.

  - The nondetected target compound results were raised to the level of the calibration standard with the most closely matching response. The LOD was raised to the same concentration.

- As the raised results exceeded the LOQs, the LOQs and LODs were raised to the same concentration.

  The affected results, shown in the table below, were coded with a "$" qualification code.

Samples affected by matrix interference				
Sample	**Mass Height**		**Raised Concentration (µg/L)**	**Analytes**
	Standard Level	**Concentration (ng/ml)**		
079SW-0311-0001-SW	4	50	1.1	HMX
	5	100	2.2	RDX
	5	100	2.2	1,3,5-trinitrobenzene
	4	50	1.1	1,3-dinitrobenzene
	5	100	2.2	nitrobenzene
	4	50	1.1	tetryl
	4	50	1.1	2,4,6-trinitrotoluene
	4	50	1.1	4-amino-2,6-dinitrotoluene
	4	50	1.1	2-amino-4,6-dinitrotoluene
	6	200	4.4	nitroglycerin

  Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in sample 079SW-0001-0001-SW. As there were no detects for these compounds; the reviewer chose to report the results with the lowest LODs. The 8330B results for nitrobenzene were rejected, "R," as duplicate data and coded with a "D" qualification code. The 8330B results for 2,4-dinitrotoluene and 2,6-dinitrotoluene were retained.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: A manual integration was performed to adjust the baseline for the sample surrogate. The manual integration was deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There was no field blank or equipment rinsate samples associated with the validated sample.

  - Field Duplicates: There were no explosive field duplicate samples collected for RVAAP-79.

10.2.2 Propellants

A total of 2 primary soil samples, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-West Sacramento for nitroguanidine by USEPA SW-846 Method 8330 and for nitrocellulose by laboratory SOP WS-WC-0050. The primary surface water sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration:
    - The nitroguanidine initial calibration average percent %RSD was within the control limit listed in DoD QSM Table F-2 of ≤20%. Nitrocellulose linear regression correlation coefficient was within the control limit listed in the DoD QSM Table F-11 of ≥0.995.
    - The nitroguanidine second source ICV recovery was within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose ICV recovery was within the control limits listed in DoD QSM Table F-11 of 90-110%.
    - The nitroguanidine CCV recoveries were within the control limits listed in DoD QSM Table F-2 of 85-115%. The nitrocellulose CCV recoveries were within the control limits listed in DoD QSM Table F-11 of 90-110%.
    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL recoveries associated with the sample were within the reasonable control limits of 70-130%.
- Blanks: The method blanks had no target compound detects above the control limits listed in DoD QSM Tables F-2 and F-11 of one-half the LOQ.
- Laboratory Control Samples: No nitroguanidine or nitrocellulose LCS control limits are listed in the DoD QSM; therefore, the laboratory control limits were used to assess the results. The nitroguanidine recovery was within the control limits of 73-117% for soils. The nitrocellulose recovery was within the laboratory-established control limits of 26-144%.
- Surrogate Recovery: A surrogate was not required for the analysis of nitroguanidine or nitrocellulose.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on sample 079SW-0311-0001-SW for nitroguanidine. The recoveries were within the laboratory-established control limits of 72-121%. The RPD was within the control limit listed in DoD QSM Table F-2 of ≤20%.
- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatograms and retention times indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the sample validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Nitroguanidine was not detected in the validated sample; therefore, confirmation analysis was not required.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: A manual integration was performed for nitroguanidine in an MRL. The manual integration was performed to complete the peak integration. The manual integration was deemed acceptable by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: There was no field blank or equipment rinsate samples associated with the validated sample.

  - Field Duplicates: There were no explosive field duplicate samples collected for RVAAP-79.

10.2.3 Polychlorinated Biphenyls (PCBs)

A total of 2 primary soil samples, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-North Canton for PCBs by USEPA SW-846 Method 8082. The primary surface water sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Calibration criteria were met with the exception noted below.

  - Initial calibration average %RSDs were within the control limit listed in the DoD QSM Table F-2 of ≤20%.

  - The second source ICV recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20% for all applicable Aroclors, with the exception of Aroclor 1221 in the ICV associated with sample 079W-0311-0001-SW. One of three peaks for Aroclor 1221 on the CLP-1 column was missed by the data system due to coelution, and was not manually integrated. The CLP-2 column ICV for Aroclor 1221 was acceptable. The nondetected result for Aroclor 1221 in sample 079W-0311-0001-SW was qualified as estimated, "UJ," and coded with a "C" qualification code.

  - The CCV standard recoveries were within the control limit listed in the DoD QSM Table F-2 of ±20%.

  - MRL standard recoveries were within the reasonable control limit of ±30%.

- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in the DoD QSM Table F-2 of one-half the LOQ for target compounds.

- Laboratory Control Samples: LCS recoveries for Aroclor 1016 and Aroclor 1260 were within the control limits listed in DoD QSM Table G-16.

- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 40-135%.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on the validated sample. Evaluation of method accuracy was based on the LCS results.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatogram, standards, and retention times indicated no problems with target compound identification. The sample was analyzed on two analytical columns; however, the sample had no Aroclor detects.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data associated with the sample data, primarily due to poor baseline integration or incorrectly split peaks. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

  - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated sample for RVAAP-79.

  - Field Duplicates: No field duplicate samples were collected from RVAAP-79.

10.2.4 Pesticides

A total of 2 primary soil samples, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-North Canton for pesticides by USEPA SW-846 Method 8081. The primary surface water sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- Calibration: Calibration criteria listed in the DoD QSM Table F-2 were met, with the exception noted below.
    - Initial calibration average %RSDs were within the control limit of ≤20%.
    - The PEM %breakdown results were within the DoD QSM Table F-2 control limit of ≤15%.
    - The secondary column had individual toxaphene peaks with %Ds exceeding the control limit which affected the sample data. Column CLP-2 had four outliers at -32.8%, -36.4%, -33.3%, and 72.2%. The nondetected result for toxaphene in sample 079W-0311-0001-SW was qualified as estimated, "UJ," and coded with a "C" qualification code. The remaining second source ICV recoveries were within the control limit of ±20%.
    - The CCV standard recoveries affecting sample data were within the control limit of ±20%.
    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%.
- Blanks: The method blank associated with the validated sample had no target compound detects above the control limit listed in the DoD QSM Table F-2, of one-half the LOQ.
- Laboratory Control Samples: Recoveries were within the control limits listed in DoD QSM Table G-14. Toxaphene was not spiked in the LCS sample.
- Surrogate Recovery: Recoveries were within the control limits listed in DoD QSM Table G-3 of 25-140%.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on the validated sample. Evaluation of method accuracy was based on the LCS results.
- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatograms, standards, and retention times indicated no problems with target compound identification.
- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the validated sample. The LOQs were supported by the low point of the initial

calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the calibration and QC data, primarily due to poor baseline integration or to re-integrate incorrectly split peaks. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated sample for RVAAP-79.

    - Field Duplicate Samples: No field duplicate samples were collected for pesticides. The

10.2.5 Semivolatile Organic Compounds (SVOCs)

A total of 2 primary soil samples, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-North Canton for SVOCs by USEPA Method 8270C. The primary surface water sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.

- GC/MS Tuning: The DFTPP tunes met the method abundance criteria. The sample was analyzed within 12 hours of the DFTPP injection time.

- Calibration: Calibration criteria listed in the DoD QSM Table F-4 were met.

    - Initial calibration average RRFs and ICV and CCV RRFs were within method control limits of ≥0.050. All initial calibration %RSDs were within the control limits of ≤30% for CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.

    - All second source ICV standard recoveries affecting sample data were within the control limit of ±20%.

    - Continuing calibration %Ds affecting sample data were within the control limit of ≤20%.

    - Although not required by the DoD QSM, an MRL standard of 3× the DL is required by the FWQAPP. MRL standard recoveries were within the reasonable control limit of 70-130%.

- Blanks: The method blank associated with the validated sample had numerous target compound detects below the LOQ; however, there were no detects in the validated sample.

- Laboratory Control Samples: Benzoic acid was reported as not detected in the LCS; however, the recovery calculated from the raw data was acceptable. All LCS recoveries were within the control limits listed in DoD QSM Tables G-2 (poor performers) and G-6. The reviewer noted hexachlorocyclopentadiene was not spiked in the LCS.

- Surrogate Recovery: All surrogate recoveries were within the control limits listed in the DoD QSM Tables G-2 (poor performers) or G-3.

- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on the validated sample. Method accuracy was evaluated based on LCS results.

- Internal Standards Performance: The internal standard area counts and retention times were within the DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: ±30 seconds for retention times and -50% / +100% for internal standard areas.

- Compound Identification: Compound identification was verified for the sample validated at Level IV. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the sample validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD. The sample had a 2-ml final extract volume, resulting in an effective 2× dilution.

  Target compounds 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene were reported by both Method 8330B and 8270C in sample 079SW-0311-0001-SW. As there were no detects for these compounds; the reviewer chose to report the results with the lowest LODs. The 8270C results for 2,4-dinitrotoluene and 2,6-dinitrotoluene were rejected, "R," as duplicate data and coded with a "D" qualification code. The 8270C results for nitrobenzene were retained.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual Integrations: Some routine manual integrations were performed for the sample, and for calibration and QC data associated with the sample data, primarily to correct for peaks missed or incorrectly chosen by the data system, or to correct poor baseline integration. All manual integrations reviewed were deemed appropriate by the reviewer.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data.

Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

- Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated sample for RVAAP-79.
- Field Duplicate Samples: There were no SVOC field duplicate samples collected for RVAAP-79.

10.2.6 Volatile Organic Compounds (VOCs)

A total of 2 primary soil samples, 1 primary sediment sample, and 1 primary surface water sample were analyzed by TA-North Canton for volatile compounds by USEPA Method 8260B. The primary surface water sample was validated at Level IV.

- MDL studies were not evaluated as part of this project.
- GC/MS Tuning: The BFB tunes met the method abundance criteria. The samples were analyzed within 12 hours of the BFB injection time.
- Calibration: Calibration criteria listed in DoD QSM Table F-4 were met. Other calibration outliers are noted below.
  - Initial calibration average RRFs and ICV and CCV RRFs were within the control limits of ≥0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane, and ≥0.10 for chloromethane, bromoform, and 1,1-dichloroethane.
  - All initial calibration %RSDs were within the method control limits of ≤30% for the CCCs and ≤15% for remaining compounds, or linear regression r^2 values ≥0.990.
  - All second source initial calibration verification standard recoveries were within the control limit of ±20%.
  - Continuing calibration %Ds affecting validated sample data were within the method control limit of ≤20%.
  - Although not required by the DoD QSM, a standard of 3× the DL is required by the FWQAPP. MRL standard recoveries affecting sample data were within the reasonable control limit of ±30%, with the exception of a recovery of 68% for acetone in the MRL bracketing the sample. The detect for acetone in sample 079W-0311-0001-SW was qualified as estimated, “J,” and coded with a “C” qualification code.
- Blanks: The method blank associated with the validated sample had no target compound detects above the control limits listed in DoD QSM Table F-4 of one-half the LOQ, and no common laboratory contaminants detected above the LOQ

- Laboratory Control Samples: LCS/LCSD recoveries were within the control limits listed in DoD QSM Table G-4, and RPDs were within the QSM Table F-4 control limit of ≤30%.

- Surrogate Recovery: Surrogate recoveries were within the control limits listed in DoD QSM Table G-3.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were not performed on the validated sample. Evaluation of method accuracy was based on the LCS results.

- Internal Standards Performance: The internal standard area counts and retention times were within DoD QSM Table F-4 control limits established by the midpoint initial calibration standard: -50% / +100% for internal standard areas and ±30 seconds for retention times.

- Compound Identification: Compound identification was verified for the validated sample. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification.

- Compound Quantification and Reported Detection Limits: Compound quantification was verified for the sample validated at Level IV. The LOQs were supported by the low point of the initial calibration and the laboratory DLs. Any result reported between the DL and the LOQ was qualified as estimated, "J," by the laboratory. Reported nondetects are valid to the LOD.

- System Performance: Review of the raw data indicated no problems with system performance.

- Manual integrations: Manual integrations were not performed for the validated sample or for associated calibration and QC samples.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Trip Blanks: The validated sample in this SDG had no associated trip blank, as the trip blank listed on the COC was not received by the laboratory.

    - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were associated with the validated sample for RVAAP-79.

    - Field Duplicate Samples: No field duplicate samples were collected for VOCs.

10.2.7 Metals

A total of 136 primary soil samples, 6 soil field duplicate samples, 4 primary sediment samples, 1 sediment field duplicate samples, 4 primary surface water samples, and 1 surface water field duplicate sample were analyzed by TA-North Canton for metals by USEPA Methods 6020 and

7470A/7471A. A total of 9 primary soil samples, 1 primary sediment sample, and 1 primary surface water sample were validated at Level IV.

- MDL studies were not evaluated as part of this project.

- Calibration: Except as noted below, calibration criteria were met.

  - As per DoD QSM Table F-8, the mass calibrations were ≤0.1 atomic mass units (amu) of the true values and the resolutions were <0.9 amu at full width at 10% peak height. Except as noted below, the %RSDs were within the control limit listed in the DoD QSM Table F-8 of ≤5%. The detected results listed in the table below were qualified as estimated, "J," and were coded with an "M" qualification code.

Samples qualified for tune %RSD outliers		
Analyte	**%RSD**	**Qualified Samples**
^{138}Barium	6.52	079SD-0305-0001-SD

  - Initial calibration: Linear regression correlation coefficients were within the control limit listed in the DoD QSM Tables F-7 and F-8 of ≥0.995.

  - The ICPMS ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-8 of 90-110%. The mercury ICV and CCV recoveries were within the control limits listed in DoD QSM Table F-7 of 90-110% and 80-120%, respectively.

  - CRI/MRL recoveries affecting sample results were within the control limits listed in DoD QSM Tables F-7 and F-8 of 80-120%.

- Blanks: Method blanks had no applicable detects above the control limits listed in DoD QSM Tables F-7 and F-8 of one-half the LOQ or greater than one-tenth the amount measured in any sample. CCBs had no detects above the control limit listed in DoD QSM Tables F-7 and F-8 of greater than the LOD.

  There were detects and negative results in the method blanks and CCBs affecting sample results. Results listed in the table below associated with negative results were qualified as estimated, "UJ," for nondetects and "J," for detects. In the absence of qualifications with conflicting bias, detects were qualified as estimated with a potential negative bias, "J-." The remaining results listed in the table below were qualified as nondetected, "U," at the LOD if detected below the LOD or at the level of contamination if detected above. All qualified results were coded with a "B" qualification code.

Sample qualified for blank results			
Analyte	Method blank (mg/Kg)	CCB (µg/L)	Qualified samples
Sodium	4.67	N/A	079SB-0252M-0001-SO
Selenium	-0.11	-1.8	079SB-0245M-0001-SO, 079SB-0247M-0001-SO, 079SB-0252M-0001-SO, 079SB-0267M-0001-SO, 079SB-0269M-0001-SO, 079SB-0272M-0001-SO
Selenium	-0.28	N/A	079SB-0305-0001-SD
Lead	N/A	0232	079SW-0311-0001-SW

- Interference Check Samples: ICPMS ICSA and ICSAB recoveries were within the control limits listed in DoD QSM Table F-8 of 80-120%. There were analytes affecting sample results detected in the ICSA above the control limit listed in DoD QSM Table F-8 of >LOD; however, as most of the interferents were present in the samples at concentrations less that 50% that of the ICSA, the samples were not assessed for matrix interference.

- Laboratory Control Samples: The recoveries were within the control limits listed in DoD QSM Tables G-18 and G-19 of 80-120%.

- Laboratory Duplicates: Laboratory duplicate analyses were performed on samples 079SB-0267M-0001-SO, 079SB-0298M-0001-SO, 079SB0215M-0001-SO, 079SB-0244M-0001-SO, 079SD-0305-0001-SD, 079SB-0264M-0001-SO, 079SD-0305-0001-SD, 079SB-0264M-0001-SO, and 079SW-0311-0001-SW for mercury. Laboratory duplicate analyses were also performed on samples 079SB-0324M-0001-SO, 079SB-0271M-0001-SO, 079SB-0220M-0001-SO, 079SB-0171M-0001-SO, 079SD-0305-0001-SD, and 079SW-0311-0001-SW for the ICPMS analytes. The RPDs control limits listed in DoD QSM Tables F-7 and F-8 was ≤20%. The control limit was only applied for detects ≥5× the LOQ. A control limit of ± the LOQ was applied to detects at concentrations below 5× the LOQ. Except as noted below, the results were within the control limits.

  Results listed in the table below, all detects, were qualified as estimated, "J," and coded with an "E" qualification code.

Samples qualified for laboratory duplicate outliers			
Parent Sample	Analyte	RPD	Qualified Samples
079SB-0220M-0001-SO	Barium	123%	079SB-0217M-0001-SO, 079SB-0234M-0001-SO, 079SB-0236M-0001-SO
	Manganese	142%	
	Sodium	70%	
	Lead	66%	
	Thallium	>±LOQ	
079SD-0305-0001-SD	Calcium	82%	079SD-0305-0001-SD

- Matrix Spike/Matrix Spike Duplicate: Matrix spike analyses were performed on samples 079SB-0267M-0001-SO 079SB-0298M-0001-SO, 079SB-0218M-0001-SO, 079SB-0244M-0001-SO for mercury. Matrix spike analyses were also performed on 079SD-0305-0001-SD and 079SW-0311-0001-SW for the ICPMS analytes. MS/MSD analyses

were performed on samples 079SB-0324M-0001-SO, 079SB-0271M-0001-SO, 079SB-0151M-0001-SO, 079SB-0220M-0001-SO, and 079SB-0171M-0001-SO for the ICPMS analytes. Except as noted below, recoveries were within the control limits listed in DoD QSM Tables G-18 and G-19 of 80-120%. The control limits were not applied when the native sample concentration exceeded the spiked amount by 4× or more. RPDs were within the control limits listed in DoD QSM Tables F-8 and F-9 of ≤20%.

The *National Functional Guidelines* calls for the estimation of nondetected data associated with matrix spike recoveries less than 30% and acceptable post digestion spike recoveries. However, it was the reviewer's professional judgment that the poor antimony recoveries observed for this and other CR Sites was a systemic problem associated with the sample digestion. Therefore, the nondetected antimony results associated with recoveries below 30% were rejected, "R."

The remaining results listed in the table below were qualified as estimated, "J," for detects and, "UJ," for nondetects. When no other qualifications with conflicting bias were assigned to a result, detected results with low recoveries were assigned a negative bias, "J-." The qualified results were coded with a "Q" qualification code.

Samples qualified for MS/MSD recovery outliers			
Parent Sample	**Analyte**	**%Rs**	**Qualified Samples**
079SB-0342M-0001-SO	Arsenic	73%, acceptable	079SB-0245M-0001-SO, 079SB-0247M-0001-SO, 079SB-0252M-0001-SO, 079SB-0267M-0001-SO, 079SB-0269M-0001-SO, 079SB-0272M-0001-SO
	Antimony	39%, 36%	
	Zinc	77%, acceptable	
	Selenium	61%, 63%	
079SB-0271M-0001-SO	Arsenic	68%, 76%	
	Antimony	52%, 56%	
	Selenium	77%, acceptable	
079SB-0151M-0001-SO	Nickel	79%, acceptable	079SB-00217M-0001-SO, 079SB-0234M-0001-SO, 079SB-0236M-0001-SO
	Antimony	28%, 33%	
	Zinc	77%, acceptable	
	Selenium	57%, 64%	
079SB-0220M-0001-SO	Barium	79%, 79%	
	Nickel	77%, acceptable	
	Antimony	26%, 26%	
	Selenium	64%, 64%	
	Arsenic	acceptable, 77%	
	Copper	acceptable, 79%	
079SB-0171M-0001-SO	Antimony	23%, 24%	
	Selenium	70%, 69%	
079SD-0305-0001-SD	Antimony	49%, N/A	079SD-0305-0001-SO

Post digestion spike analyses were performed on samples 079SB-0324M-0001-SO, 079SB-0271M-0001-SO, 079SB-0171M-0001-SO, 079SB-0220M-0001-SO, 079SB-0151M-0001-SO, 079SB-0305-0001-SO and 079SW-0311-0001-SW for the ICPMS

analytes. All recoveries were within the control limits listed in DoD QSM Table F-8 of 75-125%.

- Serial Dilution: Serial dilution analyses were performed on 079SB-0324M-0001-SO, 079SB-0271M-0001-SO, 079SB-0171M-0001-SO, 079SB-0220M-0001-SO, 079SB-0151M-0001-SO, 079SD-0305-0001-SO, and 079SW-0311-0001-SW. Except as noted below, serial dilution %Ds were within the control limits listed in DoD QSM Table F-8 of ≤10%. The serial dilution control limit is only applicable when the original sample concentration is minimally ≥50× the LOQ.

  Results listed in the table below were qualified as estimated, "J," and were coded with an "A" qualification code.

Samples qualified for serial dilution %D outliers			
Parent Sample	**Analyte**	**%Ds**	**Qualified Samples**
079SB-0342M-0001-SO	Zinc	12%	079SB-0245M-0001-SO, 079SB-0247M-0001-SO, 079SB-0252M-0001-SO, 079SB-0267M-0001-SO, 079SB-0269M-0001-SO, 079SB-0272M-0001-SO
079SB-0271M-0001-SO	Arsenic	12%	
	Zinc	16%	
079SB-0171M-0001-SO	Zinc	12%	079SB-00217M-0001-SO, 079SB-0234M-0001-SO, 079SB-0236M-0001-SO

- Internal Standards: All ICPMS sample internal standards intensities were within 30-120% of those in the ICV, as per the DOD QSM Table F-8. Yttrium (^{89}Y) was spiked into the QC samples but not the site samples.

- Sample Result Verification: For Level IV validation, calculations were verified and the sample results reported on the sample result summary were verified against the raw data. In order to report the analyte within the linear range of the calibration, manganese in samples 079SB-0269M-0001-SO and 079SB-0236M-0001-SO was reported from a 5× dilution. Any result reported between the DL and the LOQ was qualified as estimated, "J." Reported nondetects are valid to the LOD.

  Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

- Manual Integrations: No manual integrations were noted in the mercury analyses.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

- Field Blanks and Equipment Rinsates: There were no field blanks or equipment rinsates associated with the validated site samples.

- Field Duplicate Samples: A total of eight field duplicate samples were collected and analyzed for metals. The RPD criterion in FWQAPP Table 3-1 of ≤50% was only applied when results for common detects were ≥5× the LOQ. In cases where results were <5× the LOQ, the reasonable control limit of ± the LOQ was applied. All results were within the control limits. See Appendix C for a complete comparison of all primary and field duplicate results.

10.3 Data Usability

According to the Draft Site Inspection Report prepared by ECC, the field completeness was 100%.

Two metals data points were rejected for poor MS/MSD recoveries. In instances where a data point had multiple results, the reviewer chose the most technically sound result to report and rejected the remaining data points. Data points rejected to choose the most technically sound data do not affect data quality or usability and are not included in the table below. Data detects between the DL and the LOQ were included in the table below for informational purposes only.

Table 37. Analytical completeness for RVAAP-79 validated primary data

			Number of Results					
Analysis	**Samples Analyzed**	**Analytes per Sample**	**Total**	**Rejected**	**LODs/DLs Exceeding Criteria**	**Estimated for QC Outliers**	**Estimated for Detects <LOQ**	**Percent Complete**
Explosives	1	16	15	0	0/0	0	0	100%
Nitroguanidine	1	1	1	0	0/0	0	0	100%
Nitrocellulose	1	1	1	0	0/0	0	0	100%
PCBs	1	7	7	0	0/0	1	0	100%
Pesticides	1	21	21	0	0/0	1	0	100%
SVOCs	1	66	64	0	0/0	0	0	100%
VOCs	1	35	35	0	0/0	1	1	100%
Metals	11	23	253	2	0/0	61	36	99.2%
		Totals	**397**	**2**	**0/0**	**64**	**37**	**99.5%**

The analytical completeness goal for the project established in the FWQAPP was 90% for each method. The completeness goal was met for all analyses.

10.4 Primary and Field Duplicate Comparison Summary

Primary and field duplicate sample comparisons were considered to be in good agreement as all results were within the FWQAPP control limit of 50% for soils or +/- the LOQ for results below the LOQ. Rejected results are not included in the table below. All results (182) were within the control limits.

All field duplicate comparison results are presented in Appendix C.

Table 38. RVAAP-79 primary/field duplicate sample comparison summary

Method	Primary/Field Duplicate Pairs	Number of Analytes	Total Analytes	Number of results within control limits	Number of results above control limit
Metals	8	23	182	182	0

10.5 Specific Data Concerns

Specific concerns regarding the data are noted below:

- Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

In order to avoid repetition of the issues noted above, the following actions should be taken:

- MEC^X recommends the laboratory be requested to alter the IPCMS and mercury instrument set up in order to report mercury and ICPMS raw absorbances and ICPMS ICV, CCV, ICSAB, and MRL concentrations.

11 CONCLUSIONS

11.1 Data Qualification Summary

A summary of the qualifications applied to the data can be found in Appendix B as can a summary of all rejected results.

11.2 Primary and Field Duplicate Summary

Site-specific comparison summaries can be found in Sections 4 through 10. A summary of the results can be found in Appendix C.

11.3 Data Usability

Site-specific data usability summaries can be found in Sections 4 through 10.

12 RECOMMENDATIONS

Specific concerns regarding the data are noted below:

- A few LODs and DLs exceeded the project criteria. These exceedances are detailed in in the AOC-specific sections.

- Matrix interference was present in the primary column explosive analyses of the validated the surface water sample. Target compounds were not detected on the primary column in most of the samples; therefore, no confirmation analyses were performed. The final data user should be aware that the mass may have masked some target compound peaks.

- Due to instrument limitations, the mercury raw data did not list the sample absorbances; therefore, the reviewer was not able to calculate the sample results from the raw data. Additionally, the ICPMS raw data did not list absorbances for the ICV, CCV, ICSAB, and MRL samples, and the %R was listed instead of the sample concentrations.

In order to avoid repetition of the issues noted above, the following actions should be taken:

- When significant matrix interference is noted in primary column, MEC^X suggests the laboratory be requested to perform confirmation analyses even when there are no primary column detects to confirm, as the matrix interference may suppress identification on the primary column. MEC^X recommends all surface water samples be validated at Level IV in order to assess if they were affected by matrix interference.

- MEC^X recommends the laboratory be requested to alter the IPCMS and mercury instrument set up in order to report mercury and ICPMS raw absorbances and ICPMS ICV, CCV, ICSAB, and MRL concentrations.

13 REFERENCES

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Remedial Investigation CC RVAAP-69 Building 1048 Fire Station. Environmental Chemical Corporation. 2014.

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Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, Revision 6. United States Environmental Protection Agency. February 2007.

APPENDIX A

Qualified Sample Result Forms

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient was noncompliant.
R	Calibration RRF was noncompliant.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Control Sample/Control Sample Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP or ICPMS ICS results were unsatisfactory.
A	Not applicable	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	ICPMS tuning was noncompliant
T	Presumed contamination as indicated by the trip blank results.	Not applicable
+	False positive – reported compound was not present.	False positive – reported compound was not present.
-	False negative – compound was present but not reported.	False negative – compound was present but not reported.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*II, *III	A deficiency was found that has been described in the "Sample Management," section (*II) or the "Method Analyses" section (*III).	A deficiency was found that has been described in the "Sample Management," section (*II) or the "Method Analyses" section (*III).

Validated Sample Result Forms for Sampling : Ravenna Army Ammunition Plant Ravenna, Ohio
Remediation Investigation Compliance Restoration Site: RVAAP-68 Electric Substations

Sample Delivery Group: 240-17317-1

Analysis Method E353.2

Sample Name 068SS-0003M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-7 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
NITROCELLULOSE	9004-70-0	0.88	4.8	MG/KG	J	J	Q

Sample Delivery Group: 240-17317-1

Analysis Method SW6020

Sample Name 068SS-0003M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-7 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	13000	8.5	MG/KG	J		
ANTIMONY	7440-36-0	2.16	0.85	MG/KG	D J	J-	Q
ARSENIC	7440-38-2	12	0.43	MG/KG			
BARIUM	7440-39-3	90.5	2.1	MG/KG	D 4		
BERYLLIUM	7440-41-7	0.87	0.085	MG/KG			
CADMIUM	7440-43-9	0.12	0.17	MG/KG	J	J	
CALCIUM	7440-70-2	3900	170	MG/KG	J		
CHROMIUM	7440-47-3	22	0.43	MG/KG			
COBALT	7440-48-4	13	0.085	MG/KG			
COPPER	7440-50-8	18	0.34	MG/KG			
IRON	7439-89-6	29800	210	MG/KG	D 4		
LEAD	7439-92-1	26.3	1.3	MG/KG	D		
MAGNESIUM	7439-95-4	3700	85	MG/KG			
MANGANESE	7439-96-5	386	2.1	MG/KG	D 4	J	E
NICKEL	7440-02-0	28	0.43	MG/KG			
POTASSIUM	7440-09-7	1200	85	MG/KG	J		
SELENIUM	7782-49-2	0.57	0.43	MG/KG		J	M
SILVER	7440-22-4	0.029	0.085	MG/KG	J	J	
SODIUM	7440-23-5	52	85	MG/KG	J	U	F
THALLIUM	7440-28-0	7.97	0.85	MG/KG	D		
VANADIUM	7440-62-2	21	0.43	MG/KG			
ZINC	7440-66-6	63	3.4	MG/KG			

Analysis Method SW7471A

Sample Name 068SS-0003M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-7 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.046	0.098	MG/KG	J	U	B

Sample Delivery Group: 240-17317-1

Analysis Method SW8082

Sample Name 068SS-0003M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-7 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	25	65	UG/KG	U	U	
PCB-1221	11104-28-2	25	50	UG/KG	U	U	
PCB-1232	11141-16-5	25	45	UG/KG	U	U	
PCB-1242	53469-21-9	25	40	UG/KG	U	U	
PCB-1248	12672-29-6	25	55	UG/KG	U	U	
PCB-1254	11097-69-1	25	55	UG/KG	U	U	
PCB-1260	11096-82-5	25	55	UG/KG	U	U	

Sample Delivery Group: 240-17317-1

Analysis Method SW8260B

Sample Name 068SS-0003M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-7 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	0.8	4	UG/KG	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.4	4	UG/KG	U	U	
1,1,2-TRICHLOROETHANE	79-00-5	0.4	4	UG/KG	U	U	
1,1-DICHLOROETHANE	75-34-3	0.4	4	UG/KG	U	U	
1,1-DICHLOROETHENE	75-35-4	0.8	4	UG/KG	U	U	
1,2-DIBROMOETHANE	106-93-4	0.8	4	UG/KG	U	U	
1,2-DICHLOROETHANE	107-06-2	0.4	4	UG/KG	U	U	
1,2-DICHLOROPROPANE	78-87-5	0.8	4	UG/KG	U	U	
2-HEXANONE	591-78-6	0.8	16	UG/KG	U	U	
ACETONE	67-64-1	5	16	UG/KG	U	U	
BENZENE	71-43-2	0.4	4	UG/KG	U	U	
BROMOCHLOROMETHANE	74-97-5	0.8	4	UG/KG	U	U	
BROMODICHLOROMETHANE	75-27-4	0.4	4	UG/KG	U J	U	
BROMOFORM	75-25-2	0.4	4	UG/KG	U	U	
BROMOMETHANE	74-83-9	0.8	4	UG/KG	U	U	
CARBON DISULFIDE	75-15-0	0.69	4	UG/KG	J	J	
CARBON TETRACHLORIDE	56-23-5	0.4	4	UG/KG	U	U	
CHLOROBENZENE	108-90-7	0.4	4	UG/KG	U J	UJ	Q
CHLOROETHANE	75-00-3	0.8	4	UG/KG	U	U	
CHLOROFORM	67-66-3	0.4	4	UG/KG	U	U	
CHLOROMETHANE	74-87-3	0.4	4	UG/KG	U	U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.4	4	UG/KG	U J	U	
DIBROMOCHLOROMETHANE	124-48-1	0.8	4	UG/KG	U	U	
ETHYLBENZENE	100-41-4	0.4	4	UG/KG	U J	UJ	Q
METHYL ETHYL KETONE	78-93-3	1.6	16	UG/KG	U	U	
METHYL ISOBUTYL KETONE	108-10-1	0.8	16	UG/KG	U	U	
METHYLENE CHLORIDE	75-09-2	0.8	4	UG/KG	U	U	
STYRENE	100-42-5	0.4	4	UG/KG	U J	UJ	Q

Sample Delivery Group: 240-17317-1

TETRACHLOROETHYLENE	127-18-4	0.8	4	UG/KG	U J	U	
TOLUENE	108-88-3	0.4	4	UG/KG	U J	U	
TOTAL 1,2-DICHLOROETHENE	540-59-0	0.8	8	UG/KG	U	U	
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.8	4	UG/KG	U	U	
TRICHLOROETHYLENE	79-01-6	0.4	4	UG/KG	U	U	
VINYL CHLORIDE	75-01-4	0.4	4	UG/KG	U	U	
XYLENES, TOTAL		1.2	8	UG/KG	U J	UJ	Q

Sample Delivery Group: 240-17317-1

Analysis Method SW8270C

Sample Name 068SS-0003M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-7 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	50	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	50	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	50	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	50	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	80	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	80	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	80	330	UG/KG	U	UJ	C
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	50	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	50	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	30	6.7	UG/KG			
2-METHYLPHENOL (O-CRESOL)	95-48-7	80	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	50	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	80	100	UG/KG	U J	UJ	Q
3-NITROANILINE	99-09-2	80	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	80	150	UG/KG	U	UJ	C
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	50	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U J	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	50	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	80	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	17	6.7	UG/KG			
ACENAPHTHYLENE	208-96-8	9.2	6.7	UG/KG			

Sample Delivery Group: 240-17317-1

ANTHRACENE	120-12-7	48	6.7	UG/KG			
BENZO(A)ANTHRACENE	56-55-3	270	6.7	UG/KG			
BENZO(A)PYRENE	50-32-8	330	6.7	UG/KG	J		
BENZO(B)FLUORANTHENE	205-99-2	520	6.7	UG/KG			
BENZO(G,H,I)PERYLENE	191-24-2	260	6.7	UG/KG	J		
BENZO(K)FLUORANTHENE	207-08-9	180	6.7	UG/KG	M		
BENZOIC ACID	65-85-0	330	660	UG/KG	U	UJ	Q
BENZYL ALCOHOL	100-51-6	448	330	UG/KG			
BENZYL BUTYL PHTHALATE	85-68-7	27	50	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	100	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	100	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	100	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	34	50	UG/KG	J	U	B
CARBAZOLE	86-74-8	44	50	UG/KG	J	J	
CHRYSENE	218-01-9	340	6.7	UG/KG			
CRESOLS, M & P		80	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	57	6.7	UG/KG		J	C
DIBENZOFURAN	132-64-9	15	50	UG/KG			
DIETHYL PHTHALATE	84-66-2	22	50	UG/KG	J	J	
DIMETHYL PHTHALATE	131-11-3	27	50	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	19	50	UG/KG	J	J	
DI-N-OCTYLPHTHALATE	117-84-0	27	50	UG/KG	U	U	
FLUORANTHENE	206-44-0	650	6.7	UG/KG	J		
FLUORENE	86-73-7	16	6.7	UG/KG			
HEXACHLOROBENZENE	118-74-1	3.3	6.7	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	50	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	50	UG/KG	U	UJ	C
INDENO(1,2,3-C,D)PYRENE	193-39-5	220	6.7	UG/KG			
ISOPHORONE	78-59-1	16	50	UG/KG			
NAPHTHALENE	91-20-3	24	6.7	UG/KG			
NITROBENZENE	98-95-3	3.3	100	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	50	UG/KG	U	U	

Sample Delivery Group: 240-17317-1

N-NITROSODIPHENYLAMINE	86-30-6	27	50	UG/KG	U	R	C
PENTACHLOROPHENOL	87-86-5	80	150	UG/KG	U	U	
PHENANTHRENE	85-01-8	250	6.7	UG/KG			
PHENOL	108-95-2	27	50	UG/KG	U	U	
PYRENE	129-00-0	480	6.7	UG/KG			

Analysis Method SW8330B

Sample Name 068SS-0003M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-7 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-TRINITROBENZENE	99-35-4	0.05	0.25	MG/KG	U	U	
1,3-DINITROBENZENE	99-65-0	0.05	0.25	MG/KG	U	U	
2,4,6-TRINITROTOLUENE	118-96-7	0.05	0.25	MG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	0.05	0.25	MG/KG	U	R	D
2,6-DINITROTOLUENE	606-20-2	0.05	0.25	MG/KG	U	R	D
2-AMINO-4,6-DINITROTOLUENE	35572-78-2	0.05	0.25	MG/KG	U	U	
2-NITROTOLUENE	88-72-2	0.05	0.25	MG/KG	U	UJ	C
3-NITROTOLUENE	99-08-1	0.05	0.25	MG/KG	U	U	
4-AMINO-2,6-DINITROTOLUENE	19406-51-0	0.05	0.25	MG/KG	U	U	
4-NITROTOLUENE	99-99-0	0.05	0.25	MG/KG	U	U	
HMX	2691-41-0	0.05	0.25	MG/KG	U	U	
NITROBENZENE	98-95-3	0.05	0.25	MG/KG	U	R	D
NITROGLYCERIN	55-63-0	0.25	0.5	MG/KG	U	U	
NITROGUANIDINE	556-88-7	0.04	0.025	MG/KG	U	U	
PETN	78-11-5	0.25	0.5	MG/KG	U	U	
RDX	121-82-4	0.05	0.25	MG/KG	U	UJ	C
TETRYL	479-45-8	0.05	0.25	MG/KG	J	U	B

Sample Delivery Group: 240-17422-1

Analysis Method SW6020

Sample Name 068SD-0009-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-9 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	12000	9.6	MG/KG	J		
ANTIMONY	7440-36-0	0.13	0.19	MG/KG	J	J-	Q
ARSENIC	7440-38-2	16	0.48	MG/KG		J-	Q
BARIUM	7440-39-3	78	0.48	MG/KG			
BERYLLIUM	7440-41-7	0.76	0.096	MG/KG			
CADMIUM	7440-43-9	0.61	0.19	MG/KG			
CALCIUM	7440-70-2	1500	190	MG/KG		J-	Q
CHROMIUM	7440-47-3	21	0.48	MG/KG			
COBALT	7440-48-4	12	0.096	MG/KG			
COPPER	7440-50-8	30	0.38	MG/KG			
IRON	7439-89-6	26000	48	MG/KG	J		
LEAD	7439-92-1	23	0.29	MG/KG		J-	Q
MAGNESIUM	7439-95-4	2400	96	MG/KG			
MANGANESE	7439-96-5	1200	9.6	MG/KG	D J	J	E
NICKEL	7440-02-0	24	0.48	MG/KG			
POTASSIUM	7440-09-7	790	96	MG/KG			
SELENIUM	7782-49-2	0.8	0.48	MG/KG		J-	M, Q
SILVER	7440-22-4	0.056	0.096	MG/KG	J	J	
SODIUM	7440-23-5	47	96	MG/KG	J	J	
THALLIUM	7440-28-0	0.22	0.19	MG/KG		J+	C
VANADIUM	7440-62-2	19	0.48	MG/KG			
ZINC	7440-66-6	160	3.8	MG/KG			

Analysis Method SW7471A

Sample Name 068SD-0009-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-9 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.031	0.095	MG/KG	J	U	B

Sample Delivery Group: 240-17422-1

Analysis Method SW8082

Sample Name 068SD-0009-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-9 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	24	64	UG/KG	U	U	
PCB-1221	11104-28-2	24	49	UG/KG	U	U	
PCB-1232	11141-16-5	24	44	UG/KG	U	U	
PCB-1242	53469-21-9	24	39	UG/KG	U	U	
PCB-1248	12672-29-6	24	54	UG/KG	U	U	
PCB-1254	11097-69-1	24	54	UG/KG	U	U	
PCB-1260	11096-82-5	24	54	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

Analysis Method SW8270C

Sample Name 068SD-0009-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-9 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	49	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	49	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	49	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	49	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	79	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	79	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	79	330	UG/KG	U	UJ	C
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	49	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	49	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	13	6.6	UG/KG			
2-METHYLPHENOL (O-CRESOL)	95-48-7	79	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	49	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	79	99	UG/KG	U J	R	Q
3-NITROANILINE	99-09-2	79	200	UG/KG	U J	UJ	Q
4,6-DINITRO-2-METHYLPHENOL	534-52-1	79	150	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	49	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U J	UJ	Q
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	49	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U J	UJ	Q
4-NITROPHENOL	100-02-7	79	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.6	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.3	6.6	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

ANTHRACENE	120-12-7	3.3	6.6	UG/KG	J	J	
BENZO(A)ANTHRACENE	56-55-3	16	6.6	UG/KG			
BENZO(A)PYRENE	50-32-8	26	6.6	UG/KG			
BENZO(B)FLUORANTHENE	205-99-2	46	6.6	UG/KG			
BENZO(G,H,I)PERYLENE	191-24-2	16	6.6	UG/KG		J	C
BENZO(K)FLUORANTHENE	207-08-9	12	6.6	UG/KG	M		
BENZOIC ACID	65-85-0	330	650	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	49	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	99	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	99	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	99	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	38	49	UG/KG	J	U	B
CARBAZOLE	86-74-8	27	49	UG/KG	U	U	
CHRYSENE	218-01-9	28	6.6	UG/KG			
CRESOLS, M & P		79	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.6	UG/KG	U	UJ	C
DIBENZOFURAN	132-64-9	3.3	49	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	27	49	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	49	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	49	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	27	49	UG/KG	U	U	
FLUORANTHENE	206-44-0	38	6.6	UG/KG			
FLUORENE	86-73-7	3.3	6.6	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.3	6.6	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	49	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	R	C
HEXACHLOROETHANE	67-72-1	27	49	UG/KG	U J	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	17	6.6	UG/KG		J	C
ISOPHORONE	78-59-1	27	49	UG/KG	U	U	
NAPHTHALENE	91-20-3	11	6.7	UG/KG			
NITROBENZENE	98-95-3	3.3	99	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	49	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

N-NITROSODIPHENYLAMINE	86-30-6	27	49	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	79	150	UG/KG	U	U
PHENANTHRENE	85-01-8	22	6.6	UG/KG		
PHENOL	108-95-2	27	49	UG/KG	U	U
PYRENE	129-00-0	28	6.6	UG/KG		

Sample Delivery Group: 240-17477-1

Analysis Method SW6020

Sample Name 068SW-0016-0001-SW **AnalysisType:** N

Lab Sample Name: 240-17477-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	320	60	UG/L			
ANTIMONY	7440-36-0	1	2	UG/L	J	J	
ARSENIC	7440-38-2	0.78	5	UG/L	J	J	
BARIUM	7440-39-3	34	5	UG/L		J	M
BERYLLIUM	7440-41-7	0.5	1	UG/L	U	U	
CADMIUM	7440-43-9	0.4	2	UG/L	U	U	
CALCIUM	7440-70-2	31000	2000	UG/L			
CHROMIUM	7440-47-3	1.5	2	UG/L	U	U	
COBALT	7440-48-4	0.31	1	UG/L	J	J	
COPPER	7440-50-8	1.6	4	UG/L	J	J	
IRON	7439-89-6	1300	150	UG/L		J+	C
LEAD	7439-92-1	0.59	1	UG/L	J	J	
MAGNESIUM	7439-95-4	8300	1000	UG/L			
MANGANESE	7439-96-5	330	5	UG/L			
NICKEL	7440-02-0	0.9	5	UG/L	J	J	
POTASSIUM	7440-09-7	1900	1000	UG/L			
SELENIUM	7782-49-2	0.5	5	UG/L	U	UJ	M
SILVER	7440-22-4	0.93	1	UG/L	J	J	
SODIUM	7440-23-5	3900	1000	UG/L			
THALLIUM	7440-28-0	1	2	UG/L	J	U	B
VANADIUM	7440-62-2	0.72	5	UG/L	J	J	
ZINC	7440-66-6	20	40	UG/L	J	U	B

Analysis Method SW7470A

Sample Name 068SW-0016-0001-SW **AnalysisType:** N

Lab Sample Name: 240-17477-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.2	0.2	UG/L	U	UJ	C

Sample Delivery Group: 240-17477-1

Analysis Method SW8082

Sample Name 068SW-0016-0001-SW **AnalysisType:** N

Lab Sample Name: 240-17477-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	0.19	0.48	UG/L	U	U	
PCB-1221	11104-28-2	0.19	0.48	UG/L	U	U	
PCB-1232	11141-16-5	0.19	0.48	UG/L	U	U	
PCB-1242	53469-21-9	0.38	0.48	UG/L	U	U	
PCB-1248	12672-29-6	0.19	0.48	UG/L	U	U	
PCB-1254	11097-69-1	0.19	0.48	UG/L	U	U	
PCB-1260	11096-82-5	0.19	0.48	UG/L	U	U	

Sample Delivery Group: 240-17477-1

Analysis Method SW8270C

Sample Name 068SW-0016-0001-SW **AnalysisType:** N

Lab Sample Name: 240-17477-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	0.76	0.95	UG/L	U J	UJ	Q
1,2-DICHLOROBENZENE	95-50-1	0.76	0.95	UG/L	U J	UJ	Q
1,3-DICHLOROBENZENE	541-73-1	0.76	0.95	UG/L	U J	UJ	Q
1,4-DICHLOROBENZENE	106-46-7	0.76	0.95	UG/L	U J	UJ	Q
2,4,5-TRICHLOROPHENOL	95-95-4	0.76	4.8	UG/L	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	0.76	4.8	UG/L	U	U	
2,4-DICHLOROPHENOL	120-83-2	0.76	1.9	UG/L	U	U	
2,4-DIMETHYLPHENOL	105-67-9	0.76	1.9	UG/L	U	U	
2,4-DINITROPHENOL	51-28-5	2.3	4.8	UG/L	U	U	
2,4-DINITROTOLUENE	121-14-2	0.76	4.8	UG/L	U	U	
2,6-DINITROTOLUENE	606-20-2	0.76	4.8	UG/L	U	U	
2-CHLORONAPHTHALENE	91-58-7	0.095	0.95	UG/L	U	U	
2-CHLOROPHENOL	95-57-8	0.76	0.95	UG/L	U	U	
2-METHYLNAPHTHALENE	91-57-6	0.095	0.19	UG/L	U	U	
2-METHYLPHENOL (O-CRESOL)	95-48-7	0.76	0.95	UG/L	U	U	
2-NITROANILINE	88-74-4	0.76	1.9	UG/L	U	U	
2-NITROPHENOL	88-75-5	0.76	1.9	UG/L	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	0.76	4.8	UG/L	U J	U	
3-NITROANILINE	99-09-2	0.76	1.9	UG/L	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	2.3	4.8	UG/L	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	0.76	1.9	UG/L	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	0.76	1.9	UG/L	U	U	
4-CHLOROANILINE	106-47-8	0.76	1.9	UG/L	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	0.76	1.9	UG/L	U	U	
4-NITROANILINE	100-01-6	0.76	1.9	UG/L	U	U	
4-NITROPHENOL	100-02-7	2.3	4.8	UG/L	U	U	
ACENAPHTHENE	83-32-9	0.095	0.19	UG/L	U	U	
ACENAPHTHYLENE	208-96-8	0.095	0.19	UG/L	U	U	

Sample Delivery Group: 240-17477-1

ANTHRACENE	120-12-7	0.095	0.19	UG/L	U	U	
BENZO(A)ANTHRACENE	56-55-3	0.095	0.19	UG/L	U	U	
BENZO(A)PYRENE	50-32-8	0.095	0.19	UG/L	U J	U	
BENZO(B)FLUORANTHENE	205-99-2	0.095	0.19	UG/L	U	U	
BENZO(G,H,I)PERYLENE	191-24-2	0.095	0.19	UG/L	U J	UJ	Q
BENZO(K)FLUORANTHENE	207-08-9	0.095	0.19	UG/L	U	U	
BENZOIC ACID	65-85-0	9.5	24	UG/L	U	U	
BENZYL ALCOHOL	100-51-6	0.76	4.8	UG/L	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	0.76	0.95	UG/L	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	0.76	0.95	UG/L	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	0.095	0.95	UG/L	U J	UJ	Q
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	0.76	0.95	UG/L	U J	UJ	Q
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	0.76	1.9	UG/L	U J	U	
CARBAZOLE	86-74-8	0.76	0.95	UG/L	U	U	
CHRYSENE	218-01-9	0.095	0.19	UG/L	U	U	
CRESOLS, M & P		0.76	1.9	UG/L	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	0.095	0.19	UG/L	U J	UJ	Q
DIBENZOFURAN	132-64-9	0.095	0.95	UG/L	U	U	
DIETHYL PHTHALATE	84-66-2	0.76	0.95	UG/L	U	U	
DIMETHYL PHTHALATE	131-11-3	0.76	0.95	UG/L	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	0.76	0.95	UG/L	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	0.76	0.95	UG/L	U J	UJ	Q
FLUORANTHENE	206-44-0	0.095	0.19	UG/L	U	U	
FLUORENE	86-73-7	0.095	0.19	UG/L	U	U	
HEXACHLOROBENZENE	118-74-1	0.095	0.19	UG/L	U	U	
HEXACHLOROBUTADIENE	87-68-3	0.76	0.95	UG/L	U J	UJ	Q
HEXACHLOROCYCLOPENTADIE	77-47-4	0.76	9.5	UG/L	U	U	
HEXACHLOROETHANE	67-72-1	0.76	0.95	UG/L	U J	UJ	Q
INDENO(1,2,3-C,D)PYRENE	193-39-5	0.095	0.19	UG/L	U J	UJ	Q
ISOPHORONE	78-59-1	0.76	0.95	UG/L	U	U	
NAPHTHALENE	91-20-3	0.095	0.19	UG/L	U	U	
NITROBENZENE	98-95-3	0.095	0.95	UG/L	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.76	0.95	UG/L	U	U	

Sample Delivery Group: 240-17477-1

N-NITROSODIPHENYLAMINE	86-30-6	0.76	0.95	UG/L	U	U
PENTACHLOROPHENOL	87-86-5	2.3	4.8	UG/L	U	U
PHENANTHRENE	85-01-8	0.095	0.19	UG/L	U	U
PHENOL	108-95-2	0.76	0.95	UG/L	U	U
PYRENE	129-00-0	0.095	0.19	UG/L	U	U

Sample Delivery Group: 240-22648-1

Analysis Method SW6020

Sample Name 068SB-0053M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22648-58 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	8700	2.7	MG/KG		J	E
ANTIMONY	7440-36-0	0.046	0.18	MG/KG	J	J-	Q
ARSENIC	7440-38-2	11	0.091	MG/KG	Q	J-	E, Q
BARIUM	7440-39-3	53	0.91	MG/KG	Q	J	M, E
BERYLLIUM	7440-41-7	0.5	0.091	MG/KG	Q		
CADMIUM	7440-43-9	0.12	0.091	MG/KG	Q		
CALCIUM	7440-70-2	3400	9.1	MG/KG		J	E, Q
CHROMIUM	7440-47-3	12	0.18	MG/KG		J	E
COBALT	7440-48-4	8.6	0.045	MG/KG	Q	J	E
COPPER	7440-50-8	16	0.18	MG/KG	Q	J	E
IRON	7439-89-6	21000	4.5	MG/KG		J	E
LEAD	7439-92-1	13	0.091	MG/KG	Q	J	E
MAGNESIUM	7439-95-4	2400	9.1	MG/KG		J	E
MANGANESE	7439-96-5	370	0.45	MG/KG	Q	J	E
NICKEL	7440-02-0	18	0.091	MG/KG		J	E
POTASSIUM	7440-09-7	770	9.1	MG/KG		J	E
SELENIUM	7782-49-2	0.29	0.45	MG/KG	J	J-	Q
SILVER	7440-22-4	0.028	0.091	MG/KG	J Q	J	
SODIUM	7440-23-5	44	9.1	MG/KG		J	E
THALLIUM	7440-28-0	0.12	0.091	MG/KG	Q		
VANADIUM	7440-62-2	15	0.091	MG/KG		J	E
ZINC	7440-66-6	40	0.45	MG/KG	Q	J-	E, Q, A

Analysis Method SW7471A

Sample Name 068SB-0053M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22648-58 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.015	0.1	MG/KG	J	J	

Sample Delivery Group: 240-22648-1

Analysis Method SW8082

Sample Name 068SB-0053M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22648-58 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	25	65	UG/KG	U	U	
PCB-1221	11104-28-2	25	50	UG/KG	U	UJ	C
PCB-1232	11141-16-5	25	45	UG/KG	U	U	
PCB-1242	53469-21-9	25	40	UG/KG	U	U	
PCB-1248	12672-29-6	25	55	UG/KG	U	U	
PCB-1254	11097-69-1	25	55	UG/KG	U	U	
PCB-1260	11096-82-5	25	55	UG/KG	U	U	

Sample Delivery Group: 240-22648-1

Analysis Method SW8270C

Sample Name 068SB-0053M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22648-58 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	50	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	50	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	50	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	50	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	80	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	80	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	80	330	UG/KG	U	UJ	C
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	50	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	50	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	4.4	6.6	UG/KG	J	J	
2-METHYLPHENOL (O-CRESOL)	95-48-7	80	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	50	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	80	100	UG/KG	U	U	
3-NITROANILINE	99-09-2	80	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	80	150	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	50	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	50	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	80	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.6	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.3	6.6	UG/KG	U	U	

Sample Delivery Group: 240-22648-1

ANTHRACENE	120-12-7	3.3	6.6	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.3	6.6	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	3.3	6.6	UG/KG	U	U	
BENZO(B)FLUORANTHENE	205-99-2	3.3	6.6	UG/KG	U	U	
BENZO(G,H,I)PERYLENE	191-24-2	3.3	6.6	UG/KG	U	U	
BENZO(K)FLUORANTHENE	207-08-9	3.3	6.6	UG/KG	U	U	
BENZOIC ACID	65-85-0	330	660	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	70	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	100	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	100	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	100	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	74	74	UG/KG		U	B
CARBAZOLE	86-74-8	27	50	UG/KG	U	U	
CHRYSENE	218-01-9	3.3	6.6	UG/KG	U	U	
CRESOLS, M & P		80	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.6	UG/KG	U	U	
DIBENZOFURAN	132-64-9	3.3	50	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	27	70	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	70	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	70	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	27	70	UG/KG	U	U	
FLUORANTHENE	206-44-0	3.3	6.6	UG/KG	U	U	
FLUORENE	86-73-7	3.3	6.6	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.3	6.6	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	50	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	50	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.3	6.6	UG/KG	U	U	
ISOPHORONE	78-59-1	27	50	UG/KG	U	U	
NAPHTHALENE	91-20-3	3.3	6.6	UG/KG	U	U	
NITROBENZENE	98-95-3	3.3	100	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	50	UG/KG	U	U	

Sample Delivery Group: 240-22648-1

N-NITROSODIPHENYLAMINE	86-30-6	27	50	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	80	150	UG/KG	U	U
PHENANTHRENE	85-01-8	3.3	6.6	UG/KG	U	U
PHENOL	108-95-2	27	50	UG/KG	U	U
PYRENE	129-00-0	3.3	6.6	UG/KG	U	U

Validated Sample Result Forms for Sampling : Ravenna Army Ammunition Plant Ravenna, Ohio
Remediation Investigation Compliance Restoration Site: RVAAP-69 Building 1048 Fire Station

Sample Delivery Group: 240-17477-1

Analysis Method E353.2

Sample Name 069SS-0001M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17525-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
NITROCELLULOSE	9004-70-0	17	47	MG/KG	U	U	

Analysis Method SW7471A

Sample Name 069SS-0001M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17525-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.206	0.11	MG/KG			

Analysis Method SW8082

Sample Name 069SS-0001M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17525-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	24	64	UG/KG	U	U	
PCB-1221	11104-28-2	24	49	UG/KG	U	U	
PCB-1232	11141-16-5	24	44	UG/KG	U	U	
PCB-1242	53469-21-9	24	40	UG/KG	U	U	
PCB-1248	12672-29-6	24	54	UG/KG	U	U	
PCB-1254	11097-69-1	24	54	UG/KG	U	U	
PCB-1260	11096-82-5	41	54	UG/KG	J	J	

Sample Delivery Group: 240-17477-1

Analysis Method SW8260B

Sample Name 069SS-0001M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17525-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	0.97	4.9	UG/KG	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.51	5.1	UG/KG	U	U	
1,1,2-TRICHLOROETHANE	79-00-5	0.51	5.1	UG/KG	U	U	
1,1-DICHLOROETHANE	75-34-3	0.51	5.1	UG/KG	U	U	
1,1-DICHLOROETHENE	75-35-4	1	5.1	UG/KG	U	U	
1,2-DIBROMOETHANE	106-93-4	1	5.1	UG/KG	U	U	
1,2-DICHLOROETHANE	107-06-2	0.51	5.1	UG/KG	U	U	
1,2-DICHLOROPROPANE	78-87-5	1	5.1	UG/KG	U	U	
2-HEXANONE	591-78-6	1	20	UG/KG	U	U	
ACETONE	67-64-1	6.1	19	UG/KG	U	U	
BENZENE	71-43-2	0.51	5.1	UG/KG	U	U	
BROMOCHLOROMETHANE	74-97-5	1	5.1	UG/KG	U	U	
BROMODICHLOROMETHANE	75-27-4	0.51	5.1	UG/KG	U	U	
BROMOFORM	75-25-2	0.51	5.1	UG/KG	U	U	
BROMOMETHANE	74-83-9	1	5.1	UG/KG	U	U	
CARBON DISULFIDE	75-15-0	0.51	5.1	UG/KG	U	UJ	C
CARBON TETRACHLORIDE	56-23-5	0.49	4.9	UG/KG	U	U	
CHLOROBENZENE	108-90-7	0.51	5.1	UG/KG	U J	U	
CHLOROETHANE	75-00-3	1	5.1	UG/KG	U	U	
CHLOROFORM	67-66-3	0.51	5.1	UG/KG	U	U	
CHLOROMETHANE	74-87-3	0.51	5.1	UG/KG	U	U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.51	5.1	UG/KG	U	U	
DIBROMOCHLOROMETHANE	124-48-1	1	5.1	UG/KG	U	U	
ETHYLBENZENE	100-41-4	0.51	5.1	UG/KG	U	U	
METHYL ETHYL KETONE	78-93-3	2	20	UG/KG	U	U	
METHYL ISOBUTYL KETONE	108-10-1	1	20	UG/KG	U	U	
METHYLENE CHLORIDE	75-09-2	1	5.1	UG/KG	U	U	
STYRENE	100-42-5	0.51	5.1	UG/KG	U	U	

Sample Delivery Group: 240-17477-1

TERT-BUTYL METHYL ETHER	1634-04-4	0.51	5.1	UG/KG	U	U
TETRACHLOROETHYLENE	127-18-4	1	5.1	UG/KG	U	U
TOLUENE	108-88-3	0.51	5.1	UG/KG	U	U
TOTAL 1,2-DICHLOROETHENE	540-59-0	1	10	UG/KG	U	U
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1	5.1	UG/KG	U	U
TRICHLOROETHYLENE	79-01-6	0.51	5.1	UG/KG	U	U
VINYL CHLORIDE	75-01-4	0.51	5.1	UG/KG	U	U
XYLENES, TOTAL		1.5	10	UG/KG	U	U

Sample Delivery Group: 240-17477-1

Analysis Method SW8270C

Sample Name 069SS-0001M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17525-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	140	250	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	140	250	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	140	250	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	140	250	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	140	750	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	400	750	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	140	750	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	400	750	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	400	1700	UG/KG	U	J	
2,4-DINITROTOLUENE	121-14-2	140	1000	UG/KG	U	R	D
2,6-DINITROTOLUENE	606-20-2	140	1000	UG/KG	U	R	D
2-CHLORONAPHTHALENE	91-58-7	17	250	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	140	250	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	20	34	UG/KG	J D	J	
2-METHYLPHENOL (O-CRESOL)	95-48-7	400	1000	UG/KG	U	U	
2-NITROANILINE	88-74-4	140	1000	UG/KG	U	U	
2-NITROPHENOL	88-75-5	140	250	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	400	500	UG/KG	U	R	Q
3-NITROANILINE	99-09-2	400	1000	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	400	750	UG/KG	U	UJ	Q
4-BROMOPHENYL PHENYL ETHE	101-55-3	140	250	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	140	750	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	140	750	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	140	250	UG/KG	U	U	
4-NITROANILINE	100-01-6	140	1000	UG/KG	U	U	
4-NITROPHENOL	100-02-7	400	1700	UG/KG	U	UJ	Q
ACENAPHTHENE	83-32-9	17	34	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	17	34	UG/KG	U	U	

Sample Delivery Group: 240-17477-1

ANTHRACENE	120-12-7	17	34	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	54	34	UG/KG	D		
BENZO(A)PYRENE	50-32-8	93	34	UG/KG	D		
BENZO(B)FLUORANTHENE	205-99-2	90	34	UG/KG	D		
BENZO(G,H,I)PERYLENE	191-24-2	52	34	UG/KG	D		
BENZO(K)FLUORANTHENE	207-08-9	28	34	UG/KG	J D M	J	
BENZOIC ACID	65-85-0	1700	3300	UG/KG	U	R	Q
BENZYL ALCOHOL	100-51-6	140	1700	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	140	250	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	140	500	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	17	500	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	140	500	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	140	250	UG/KG	U	U	
CARBAZOLE	86-74-8	140	250	UG/KG	U	U	
CHRYSENE	218-01-9	72	34	UG/KG	D		
CRESOLS, M & P		400	2000	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	17	34	UG/KG	U	U	
DIBENZOFURAN	132-64-9	17	250	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	140	250	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	140	250	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	140	250	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	140	250	UG/KG	U	U	
FLUORANTHENE	206-44-0	120	34	UG/KG	D		
FLUORENE	86-73-7	17	34	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	17	34	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	140	250	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	140	1700	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	140	250	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	69	34	UG/KG	D M		
ISOPHORONE	78-59-1	140	250	UG/KG	U	U	
NAPHTHALENE	91-20-3	18	34	UG/KG	J D	J	
NITROBENZENE	98-95-3	17	500	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	140	250	UG/KG	U	U	

Sample Delivery Group: 240-17477-1

N-NITROSODIPHENYLAMINE	86-30-6	140	250	UG/KG	U	R	C
PENTACHLOROPHENOL	87-86-5	400	750	UG/KG	U	U	
PHENANTHRENE	85-01-8	53	34	UG/KG	D		
PHENOL	108-95-2	140	250	UG/KG	U	U	
PYRENE	129-00-0	86	34	UG/KG	D		

Analysis Method SW8330B

Sample Name 069SS-0001M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17525-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-TRINITROBENZENE	99-35-4	0.05	0.25	MG/KG	U	U	
1,3-DINITROBENZENE	99-65-0	0.05	0.25	MG/KG	U	U	
2,4,6-TRINITROTOLUENE	118-96-7	0.05	0.25	MG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	0.05	0.25	MG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	0.05	0.25	MG/KG	U	U	
2-AMINO-4,6-DINITROTOLUENE	35572-78-2	0.05	0.25	MG/KG	U	U	
2-NITROTOLUENE	88-72-2	0.05	0.25	MG/KG	U	UJ	C
3-NITROTOLUENE	99-08-1	0.05	0.25	MG/KG	U	U	
4-AMINO-2,6-DINITROTOLUENE	19406-51-0	0.05	0.25	MG/KG	U	U	
4-NITROTOLUENE	99-99-0	0.05	0.25	MG/KG	U	U	
HMX	2691-41-0	0.05	0.25	MG/KG	U	U	
NITROBENZENE	98-95-3	0.05	0.25	MG/KG	U	R	D
NITROGLYCERIN	55-63-0	0.25	0.5	MG/KG	U	U	
NITROGUANIDINE	556-88-7	0.039	0.24	MG/KG	U	U	
PETN	78-11-5	0.25	0.5	MG/KG	U	U	
RDX	121-82-4	0.05	0.25	MG/KG	U	UJ	C
TETRYL	479-45-8	0.05	0.25	MG/KG	U	U	

Sample Delivery Group: 240-17525-2

Analysis Method SW6020

Sample Name 069SS-0001M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17525-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	14000	2.7	MG/KG	J	J	
ANTIMONY	7440-36-0	0.14	0.18	MG/KG	J	J	I, Q
ARSENIC	7440-38-2	10.0	0.089	MG/KG		J-	Q
BARIUM	7440-39-3	76.0	0.89	MG/KG	Q	J	M
BERYLLIUM	7440-41-7	0.82	0.089	MG/KG			
CADMIUM	7440-43-9	0.29	0.089	MG/KG		J-	Q
CALCIUM	7440-70-2	5300	8.9	MG/KG		J	A, E
CHROMIUM	7440-47-3	24.0	0.18	MG/KG			
COBALT	7440-48-4	11.0	0.045	MG/KG	Q		
COPPER	7440-50-8	19.0	0.18	MG/KG	Q	J-	Q
IRON	7439-89-6	24000	4.5	MG/KG			
LEAD	7439-92-1	19.0	0.089	MG/KG			
MAGNESIUM	7439-95-4	3900	8.9	MG/KG			
MANGANESE	7439-96-5	430.0	0.45	MG/KG	Q J	J	
NICKEL	7440-02-0	27.0	0.089	MG/KG	Q		
POTASSIUM	7440-09-7	1500	8.9	MG/KG			
SELENIUM	7782-49-2	0.78	0.45	MG/KG		J-	Q
SILVER	7440-22-4	0.034	0.089	MG/KG	J	J+	I
SODIUM	7440-23-5	53.0	8.9	MG/KG		U	F
THALLIUM	7440-28-0	0.23	0.089	MG/KG		U	F
VANADIUM	7440-62-2	21.0	0.089	MG/KG			
ZINC	7440-66-6	79.0	0.45	MG/KG	Q		

Sample Delivery Group: 240-17602-1

Analysis Method SW7471A

Sample Name 069SB-0013M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17602-9 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.021	0.11	MG/KG	J	J	

Sample Delivery Group: 240-17602-1

Analysis Method SW8260B

Sample Name 069SB-0013M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17602-9 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	0.99	4.9	UG/KG	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.51	5.1	UG/KG	U	U	
1,1,2-TRICHLOROETHANE	79-00-5	0.51	5.1	UG/KG	U	U	
1,1-DICHLOROETHANE	75-34-3	0.51	5.1	UG/KG	U	U	
1,1-DICHLOROETHENE	75-35-4	1.0	5.1	UG/KG	U	U	
1,2-DIBROMOETHANE	106-93-4	1.0	5.1	UG/KG	U	U	
1,2-DICHLOROETHANE	107-06-2	0.51	5.1	UG/KG	U	U	
1,2-DICHLOROPROPANE	78-87-5	1.0	5.1	UG/KG	U	U	
2-HEXANONE	591-78-6	1.0	20	UG/KG	U	U	
ACETONE	67-64-1	6.2	20	UG/KG	U	U	
BENZENE	71-43-2	0.51	5.1	UG/KG	U	U	
BROMOCHLOROMETHANE	74-97-5	1.0	5.1	UG/KG	U	U	
BROMODICHLOROMETHANE	75-27-4	0.51	5.1	UG/KG	U	U	
BROMOFORM	75-25-2	0.51	5.1	UG/KG	U	U	
BROMOMETHANE	74-83-9	1.0	5.1	UG/KG	U	U	
CARBON DISULFIDE	75-15-0	0.51	5.1	UG/KG	U	UJ	C
CARBON TETRACHLORIDE	56-23-5	2.7	4.9	UG/KG	J	J	
CHLOROBENZENE	108-90-7	0.51	5.1	UG/KG	U	U	
CHLOROETHANE	75-00-3	1.0	5.1	UG/KG	U	U	
CHLOROFORM	67-66-3	0.51	5.1	UG/KG	U	U	
CHLOROMETHANE	74-87-3	0.51	5.1	UG/KG	U	U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.51	5.1	UG/KG	U	U	
DIBROMOCHLOROMETHANE	124-48-1	1.0	5.1	UG/KG	U	U	
ETHYLBENZENE	100-41-4	0.51	5.1	UG/KG	U	U	
METHYL ETHYL KETONE	78-93-3	2.0	20	UG/KG	U	U	
METHYL ISOBUTYL KETONE	108-10-1	1.0	20	UG/KG	U	U	
METHYLENE CHLORIDE	75-09-2	1.0	5.1	UG/KG	U	U	
STYRENE	100-42-5	0.51	5.1	UG/KG	U	U	

Sample Delivery Group: 240-17602-1

TERT-BUTYL METHYL ETHER	1634-04-4	0.51	5.1	UG/KG	U	U
TETRACHLOROETHYLENE	127-18-4	1.0	5.1	UG/KG	U	U
TOLUENE	108-88-3	0.51	5.1	UG/KG	U	U
TOTAL 1,2-DICHLOROETHENE	540-59-0	1.0	10	UG/KG	U	U
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.0	5.1	UG/KG	U	U
TRICHLOROETHYLENE	79-01-6	0.51	5.1	UG/KG	U	U
VINYL CHLORIDE	75-01-4	0.51	5.1	UG/KG	U	U
XYLENES, TOTAL		1.5	10	UG/KG	U	U

Sample Delivery Group: 240-17602-1

Analysis Method SW8270D

Sample Name 069SB-0013M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17602-9 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	49	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	20.0	49	UG/KG	J	J	
1,3-DICHLOROBENZENE	541-73-1	27	49	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	49	UG/KG	U	U	
2,2'-OXYBIS(1-CHLORO)PROPAN	108-60-1	27	98	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	79	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	79	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	79	320	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.2	49	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	49	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	5.8	6.6	UG/KG	J	J	
2-METHYLPHENOL (O-CRESOL)	95-48-7	79	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	49	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	79	98	UG/KG	U	UJ	C
3-NITROANILINE	99-09-2	79	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	79	150	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	49	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	49	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	79	320	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.2	6.6	UG/KG	U	U	

Sample Delivery Group: 240-17602-1

ACENAPHTHYLENE	208-96-8	3.2	6.6	UG/KG	U	U	
ANTHRACENE	120-12-7	3.2	6.6	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.2	6.6	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	3.2	6.6	UG/KG	U	U	
BENZO(B)FLUORANTHENE	205-99-2	3.2	6.6	UG/KG	U	U	
BENZO(G,H,I)PERYLENE	191-24-2	3.2	6.6	UG/KG	U	U	
BENZO(K)FLUORANTHENE	207-08-9	3.2	6.6	UG/KG	U	U	
BENZOIC ACID	65-85-0	330	650	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	320	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	49	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	98	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.2	98	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	130.0	49	UG/KG		U	B
CARBAZOLE	86-74-8	27	49	UG/KG	U	U	
CHRYSENE	218-01-9	3.2	6.6	UG/KG	U	U	
CRESOLS, M & P		79	390	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.2	6.6	UG/KG	U	U	
DIBENZOFURAN	132-64-9	3.2	49	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	27	49	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	49	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	49	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	27	49	UG/KG	U	U	
FLUORANTHENE	206-44-0	3.2	6.6	UG/KG	U	U	
FLUORENE	86-73-7	3.2	6.6	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.2	6.6	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	49	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	320	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	49	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.2	6.6	UG/KG	U	U	
ISOPHORONE	78-59-1	27	49	UG/KG	U	U	
NAPHTHALENE	91-20-3	7.1	6.6	UG/KG			
NITROBENZENE	98-95-3	3.2	98	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	49	UG/KG	U	U	

Sample Delivery Group: 240-17602-1

N-NITROSODIPHENYLAMINE	86-30-6	27	49	UG/KG	U	R	C
PENTACHLOROPHENOL	87-86-5	79	150	UG/KG	U	U	
PHENANTHRENE	85-01-8	3.7	6.6	UG/KG	J	J	
PHENOL	108-95-2	27	49	UG/KG	U	U	
PYRENE	129-00-0	3.2	6.6	UG/KG	U	U	

Sample Delivery Group: 240-17602-2

Analysis Method SW6020

Sample Name 069SB-0013M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17602-9 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	9700	2.7	MG/KG			
ANTIMONY	7440-36-0	0.052	0.18	MG/KG	J	J	I, Q
ARSENIC	7440-38-2	13.0	0.091	MG/KG			
BARIUM	7440-39-3	39.0	0.91	MG/KG	Q	J	M
BERYLLIUM	7440-41-7	0.5	0.091	MG/KG			
CADMIUM	7440-43-9	0.17	0.091	MG/KG		J+	I
CALCIUM	7440-70-2	10000	9.1	MG/KG		J-	Q
CHROMIUM	7440-47-3	16.0	0.18	MG/KG			
COBALT	7440-48-4	10.0	0.045	MG/KG	Q		
COPPER	7440-50-8	18.0	0.18	MG/KG	Q		
IRON	7439-89-6	26000	4.5	MG/KG			
LEAD	7439-92-1	10.0	0.091	MG/KG			
MAGNESIUM	7439-95-4	4800	9.1	MG/KG			
MANGANESE	7439-96-5	320.0	0.45	MG/KG	Q		
NICKEL	7440-02-0	25.0	0.091	MG/KG	Q		
POTASSIUM	7440-09-7	1500	9.1	MG/KG			
SELENIUM	7782-49-2	0.47	0.45	MG/KG		J-	Q
SILVER	7440-22-4	0.028	0.091	MG/KG	J	J+	I
SODIUM	7440-23-5	77.0	9.1	MG/KG			
THALLIUM	7440-28-0	0.13	0.091	MG/KG			
VANADIUM	7440-62-2	15.0	0.091	MG/KG			
ZINC	7440-66-6	54.0	0.45	MG/KG	Q		

Validated Sample Result Forms for Sampling : Ravenna Army Ammunition Plant Ravenna, Ohio
Remediation Investigation Compliance Restoration Site: RVAAP-73 Coal Storage Area

Sample Delivery Group: 240-17422-1

Analysis Method E353.2

Sample Name 073SS-0002M-0001-SO **AnalysisType:** FD

Lab Sample Name: 240-17422-5 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
NITROCELLULOSE	9004-70-0	17	47	MG/KG	U	U	

Sample Delivery Group: 240-17422-1

Analysis Method SW6020

Sample Name 073SS-0002M-0001-SO **AnalysisType:** FD

Lab Sample Name: 240-17422-5 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	6900	8.4	MG/KG			
ANTIMONY	7440-36-0	0.13	0.17	MG/KG	J	R	B, Q
ARSENIC	7440-38-2	9.4	0.42	MG/KG		J-	Q
BARIUM	7440-39-3	48	0.42	MG/KG			
BERYLLIUM	7440-41-7	0.49	0.084	MG/KG			
CADMIUM	7440-43-9	0.22	0.17	MG/KG			
CALCIUM	7440-70-2	4400	170	MG/KG			
CHROMIUM	7440-47-3	19	0.42	MG/KG			
COBALT	7440-48-4	6.8	0.084	MG/KG			
COPPER	7440-50-8	13	0.34	MG/KG			
IRON	7439-89-6	17000	42	MG/KG			
LEAD	7439-92-1	14	0.25	MG/KG			
MAGNESIUM	7439-95-4	2300	84	MG/KG			
MANGANESE	7439-96-5	380	0.42	MG/KG			
NICKEL	7440-02-0	22	0.42	MG/KG			
POTASSIUM	7440-09-7	950	84	MG/KG			
SELENIUM	7782-49-2	0.47	0.42	MG/KG		J-	M, Q
SILVER	7440-22-4	0.38	0.084	MG/KG			
SODIUM	7440-23-5	42	84	MG/KG	J	J	
THALLIUM	7440-28-0	0.13	0.17	MG/KG	J	U	B
VANADIUM	7440-62-2	11	0.42	MG/KG			
ZINC	7440-66-6	64	3.4	MG/KG			

Analysis Method SW7471A

Sample Name 073SS-0002M-0001-SO **AnalysisType:** FD

Lab Sample Name: 240-17422-5 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.051	0.095	MG/KG	J	U	B

Sample Delivery Group: 240-17422-1

Analysis Method SW8081

Sample Name 073SS-0002M-0001-SO **AnalysisType:** FD

Lab Sample Name: 240-17422-5 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALDRIN	309-00-2	27	81	UG/KG	U	U	
ALPHA BHC	319-84-6	27	51	UG/KG	U	U	
ALPHA ENDOSULFAN	959-98-8	14	35	UG/KG	U	U	
ALPHA-CHLORDANE	5103-71-9	27	61	UG/KG	U	U	
BETA BHC	319-85-7	27	71	UG/KG	U	U	
BETA ENDOSULFAN	33213-65-9	27	51	UG/KG	U	U	
DELTA BHC	319-86-8	27	81	UG/KG	U	U	
DIELDRIN	60-57-1	14	35	UG/KG	U	U	
ENDOSULFAN SULFATE	1031-07-8	27	61	UG/KG	U	U	
ENDRIN	72-20-8	14	35	UG/KG	U	U	
ENDRIN ALDEHYDE	7421-93-4	27	61	UG/KG	U	U	
ENDRIN KETONE	53494-70-5	14	41	UG/KG	U	U	
GAMMA BHC (LINDANE)	58-89-9	27	51	UG/KG	U	U	
GAMMA-CHLORDANE	5566-34-7	14	35	UG/KG	U	U	
HEPTACHLOR	76-44-8	27	71	UG/KG	U	U	
HEPTACHLOR EPOXIDE	1024-57-3	27	51	UG/KG	U	U	
METHOXYCHLOR	72-43-5	67	100	UG/KG	U	U	
P,P'-DDD	72-54-8	14	41	UG/KG	U	U	
P,P'-DDE	72-55-9	14	35	UG/KG	U M	U	
P,P'-DDT	50-29-3	14	41	UG/KG	U	U	
TOXAPHENE	8001-35-2	410	1400	UG/KG	U	UJ	C

Sample Delivery Group: 240-17422-1

Analysis Method SW8082

Sample Name 073SS-0002M-0001-SO **AnalysisType:** FD

Lab Sample Name: 240-17422-5 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	25	66	UG/KG	U	U	
PCB-1221	11104-28-2	25	51	UG/KG	U	U	
PCB-1232	11141-16-5	25	46	UG/KG	U	U	
PCB-1242	53469-21-9	25	41	UG/KG	U	U	
PCB-1248	12672-29-6	25	56	UG/KG	U	U	
PCB-1254	11097-69-1	25	56	UG/KG	U	U	
PCB-1260	11096-82-5	25	56	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

Analysis Method SW8260B

Sample Name 073SS-0002M-0001-SO **AnalysisType:** FD

Lab Sample Name: 240-17422-5 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	1.3	6.7	UG/KG	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.67	6.7	UG/KG	U	UJ	I
1,1,2-TRICHLOROETHANE	79-00-5	0.67	6.7	UG/KG	U	U	
1,1-DICHLOROETHANE	75-34-3	0.67	6.7	UG/KG	U	U	
1,1-DICHLOROETHENE	75-35-4	1.3	6.7	UG/KG	U	U	
1,2-DIBROMOETHANE	106-93-4	1.3	6.7	UG/KG	U	U	
1,2-DICHLOROETHANE	107-06-2	0.67	6.7	UG/KG	U	U	
1,2-DICHLOROPROPANE	78-87-5	1.3	6.7	UG/KG	U	U	
2-HEXANONE	591-78-6	1.3	27	UG/KG	U	U	
ACETONE	67-64-1	8.4	27	UG/KG	U	U	
BENZENE	71-43-2	0.67	6.7	UG/KG	U	U	
BROMOCHLOROMETHANE	74-97-5	1.3	6.7	UG/KG	U	U	
BROMODICHLOROMETHANE	75-27-4	0.67	6.7	UG/KG	U	U	
BROMOFORM	75-25-2	0.67	6.7	UG/KG	U	U	
BROMOMETHANE	74-83-9	1.3	6.7	UG/KG	U	U	
CARBON DISULFIDE	75-15-0	0.67	6.7	UG/KG	U	U	
CARBON TETRACHLORIDE	56-23-5	0.67	6.7	UG/KG	U	U	
CHLOROBENZENE	108-90-7	0.67	6.7	UG/KG	U	U	
CHLOROETHANE	75-00-3	1.3	6.7	UG/KG	U	U	
CHLOROFORM	67-66-3	0.67	6.7	UG/KG	U	U	
CHLOROMETHANE	74-87-3	0.67	6.7	UG/KG	U	U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.67	6.7	UG/KG	U	U	
DIBROMOCHLOROMETHANE	124-48-1	1.3	6.7	UG/KG	U	U	
ETHYLBENZENE	100-41-4	0.67	6.7	UG/KG	U	U	
METHYL ETHYL KETONE	78-93-3	2.7	27	UG/KG	U	U	
METHYL ISOBUTYL KETONE	108-10-1	1.3	27	UG/KG	U	U	
METHYLENE CHLORIDE	75-09-2	1.3	6.7	UG/KG	U	U	
STYRENE	100-42-5	0.67	6.7	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

TERT-BUTYL METHYL ETHER	1634-04-4	0.67	6.7	UG/KG	U	U	
TETRACHLOROETHYLENE	127-18-4	1.3	6.7	UG/KG	U	U	
TOLUENE	108-88-3	0.67	6.7	UG/KG	J	U	F
TOTAL 1,2-DICHLOROETHENE	540-59-0	1.3	13	UG/KG	U	U	
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.3	6.7	UG/KG	U	U	
TRICHLOROETHYLENE	79-01-6	0.67	6.7	UG/KG	U	U	
VINYL CHLORIDE	75-01-4	0.67	6.7	UG/KG	U	U	
XYLENES, TOTAL		2	13	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

Analysis Method SW8270C

Sample Name 073SS-0002M-0001-SO **AnalysisType:** FD

Lab Sample Name: 240-17422-5 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	110	200	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	110	200	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	110	200	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	110	200	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	110	610	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	320	610	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	110	610	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	320	610	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	320	1300	UG/KG	U	UJ	C
2,4-DINITROTOLUENE	121-14-2	110	810	UG/KG	U	R	D
2,6-DINITROTOLUENE	606-20-2	110	810	UG/KG	U	R	D
2-CHLORONAPHTHALENE	91-58-7	13	200	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	110	200	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	90	27	UG/KG			
2-METHYLPHENOL (O-CRESOL)	95-48-7	320	810	UG/KG	U	U	
2-NITROANILINE	88-74-4	110	810	UG/KG	U	U	
2-NITROPHENOL	88-75-5	110	200	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	320	400	UG/KG	U	UJ	C
3-NITROANILINE	99-09-2	320	810	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	320	610	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	110	200	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	110	610	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	110	610	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	110	200	UG/KG	U	U	
4-NITROANILINE	100-01-6	110	810	UG/KG	U	U	
4-NITROPHENOL	100-02-7	320	1300	UG/KG	U	U	
ACENAPHTHENE	83-32-9	13	27	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	13	27	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

ANTHRACENE	120-12-7	13	27	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	52	27	UG/KG			
BENZO(A)PYRENE	50-32-8	87	27	UG/KG			
BENZO(B)FLUORANTHENE	205-99-2	120	27	UG/KG			
BENZO(G,H,I)PERYLENE	191-24-2	29	27	UG/KG		J	C
BENZO(K)FLUORANTHENE	207-08-9	26	27	UG/KG	J M	J	
BENZOIC ACID	65-85-0	1300	2700	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	110	1300	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	110	200	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	110	400	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	13	400	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	110	400	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	110	200	UG/KG	U	U	
CARBAZOLE	86-74-8	110	200	UG/KG	U	U	
CHRYSENE	218-01-9	80	27	UG/KG			
CRESOLS, M & P		320	1600	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	13	27	UG/KG	U	UJ	C
DIBENZOFURAN	132-64-9	23	200	UG/KG	J	J	
DIETHYL PHTHALATE	84-66-2	110	200	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	110	200	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	110	200	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	110	200	UG/KG	U	U	
FLUORANTHENE	206-44-0	99	27	UG/KG			
FLUORENE	86-73-7	13	27	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	13	27	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	110	200	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	110	1300	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	110	200	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	54	27	UG/KG		J	C
ISOPHORONE	78-59-1	110	200	UG/KG	U	U	
NAPHTHALENE	91-20-3	63	27	UG/KG			
NITROBENZENE	98-95-3	13	400	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	110	200	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

N-NITROSODIPHENYLAMINE	86-30-6	110	200	UG/KG	U	U	
PENTACHLOROPHENOL	87-86-5	320	610	UG/KG	U	U	
PHENANTHRENE	85-01-8	61	27	UG/KG			
PHENOL	108-95-2	110	200	UG/KG	U	U	
PYRENE	129-00-0	78	27	UG/KG			

Analysis Method SW8330B

Sample Name 073SS-0002M-0001-SO **AnalysisType:** FD

Lab Sample Name: 240-17422-5 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-TRINITROBENZENE	99-35-4	0.049	0.25	MG/KG	U	U	
1,3-DINITROBENZENE	99-65-0	0.049	0.25	MG/KG	U	U	
2,4,6-TRINITROTOLUENE	118-96-7	0.049	0.25	MG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	0.049	0.25	MG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	0.049	0.25	MG/KG	U	U	
2-AMINO-4,6-DINITROTOLUENE	35572-78-2	0.049	0.25	MG/KG	U	U	
2-NITROTOLUENE	88-72-2	0.049	0.25	MG/KG	U	UJ	C
3-NITROTOLUENE	99-08-1	0.049	0.25	MG/KG	U	U	
4-AMINO-2,6-DINITROTOLUENE	19406-51-0	0.049	0.25	MG/KG	U	U	
4-NITROTOLUENE	99-99-0	0.049	0.25	MG/KG	U	U	
HMX	2691-41-0	0.049	0.25	MG/KG	U	U	
NITROBENZENE	98-95-3	0.049	0.25	MG/KG	U	R	D
NITROGLYCERIN	55-63-0	0.25	0.49	MG/KG	U	U	
NITROGUANIDINE		0.039	0.25	MG/KG		U	
PETN	78-11-5	0.25	0.49	MG/KG	U	U	
RDX	121-82-4	0.049	0.25	MG/KG	U	UJ	C
TETRYL	479-45-8	0.049	0.25	MG/KG	J	U	B

Sample Delivery Group: 240-18441-1

Analysis Method SW6020

Sample Name 073SB-0009M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18441-23 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	7500.0	2.9	MG/KG			
ANTIMONY	7440-36-0	0.065	0.19	MG/KG	J	J-	Q
ARSENIC	7440-38-2	7.8	0.095	MG/KG		J-	Q
BARIUM	7440-39-3	44.0	0.95	MG/KG	Q		
BERYLLIUM	7440-41-7	0.43	0.095	MG/KG			
CADMIUM	7440-43-9	0.18	0.095	MG/KG	Q	J+	I
CALCIUM	7440-70-2	6500.0	9.5	MG/KG		J-	Q
CHROMIUM	7440-47-3	14.0	0.19	MG/KG		J+	Q
COBALT	7440-48-4	7.7	0.048	MG/KG	Q		
COPPER	7440-50-8	14.0	0.19	MG/KG	Q	J-	Q
IRON	7439-89-6	18000.0	4.8	MG/KG			
LEAD	7439-92-1	10.0	0.095	MG/KG			
MAGNESIUM	7439-95-4	2900.0	9.5	MG/KG			
MANGANESE	7439-96-5	280.0	0.48	MG/KG	Q		
NICKEL	7440-02-0	19.0	0.095	MG/KG	Q		
POTASSIUM	7440-09-7	1100.0	9.5	MG/KG		J+	Q
SELENIUM	7782-49-2	0.71	0.48	MG/KG		J-	Q
SILVER	7440-22-4	0.024	0.095	MG/KG	J	J	
SODIUM	7440-23-5	78.0	9.5	MG/KG			
THALLIUM	7440-28-0	0.13	0.095	MG/KG		J-	Q
VANADIUM	7440-62-2	13.0	0.095	MG/KG		J+	Q
ZINC	7440-66-6	45.0	0.48	MG/KG	Q	J-	P

Analysis Method SW7471A

Sample Name 073SB-0009M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18441-23 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.026	0.092	MG/KG	J	J	

Sample Delivery Group: 240-18441-1

Analysis Method SW8270D

Sample Name 073SB-0009M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18441-23 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	130	250	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	130	250	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	130	250	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	130	250	UG/KG	U	U	
2,2'-DICHLORODIISOPROPYL ET	39638-32-9	16	490	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	130	740	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	390	740	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	130	740	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	390	740	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	390	1600	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	130	990	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	130	990	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	16	250	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	130	250	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	23.0	33	UG/KG	J D	J	
2-METHYLPHENOL (O-CRESOL)	95-48-7	390	990	UG/KG	U	U	
2-NITROANILINE	88-74-4	130	990	UG/KG	U	U	
2-NITROPHENOL	88-75-5	130	250	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	390	490	UG/KG	U	UJ	C
3-NITROANILINE	99-09-2	390	990	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	390	740	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	130	250	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	130	740	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	130	740	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	130	250	UG/KG	U	U	
4-NITROANILINE	100-01-6	130	990	UG/KG	U	U	
4-NITROPHENOL	100-02-7	390	1600	UG/KG	U	U	
ACENAPHTHENE	83-32-9	16	33	UG/KG	U	U	

ACENAPHTHYLENE	208-96-8	16	33	UG/KG	U	U
ANTHRACENE	120-12-7	16	33	UG/KG	U	U
BENZO(A)ANTHRACENE	56-55-3	16	33	UG/KG	U	U
BENZO(A)PYRENE	50-32-8	16	33	UG/KG	U	U
BENZO(B)FLUORANTHENE	205-99-2	16	33	UG/KG	U	U
BENZO(G,H,I)PERYLENE	191-24-2	16	33	UG/KG	U	U
BENZO(K)FLUORANTHENE	207-08-9	16	33	UG/KG	U	U
BENZOIC ACID	65-85-0	1600	3300	UG/KG	U	U
BENZYL ALCOHOL	100-51-6	130	1600	UG/KG	U	U
BENZYL BUTYL PHTHALATE	85-68-7	130	250	UG/KG	U	U
BIS(2-CHLOROETHOXY) METHA	111-91-1	130	490	UG/KG	U	U
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	130	490	UG/KG	U	U
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	130	250	UG/KG	U	U
CARBAZOLE	86-74-8	130	250	UG/KG	U	U
CHRYSENE	218-01-9	16	33	UG/KG	U	U
CRESOLS, M & P		390	2000	UG/KG	U	U
DIBENZ(A,H)ANTHRACENE	53-70-3	16	33	UG/KG	U	U
DIBENZOFURAN	132-64-9	16	250	UG/KG	U	U
DIETHYL PHTHALATE	84-66-2	130	250	UG/KG	U	U
DIMETHYL PHTHALATE	131-11-3	130	250	UG/KG	U	U
DI-N-BUTYL PHTHALATE	84-74-2	130	250	UG/KG	U	U
DI-N-OCTYLPHTHALATE	117-84-0	130	250	UG/KG	U	U
FLUORANTHENE	206-44-0	16	33	UG/KG	U	U
FLUORENE	86-73-7	16	33	UG/KG	U	U
HEXACHLOROBENZENE	118-74-1	16	33	UG/KG	U	U
HEXACHLOROBUTADIENE	87-68-3	130	250	UG/KG	U	U
HEXACHLOROCYCLOPENTADIE	77-47-4	130	1600	UG/KG	U	U
HEXACHLOROETHANE	67-72-1	130	250	UG/KG	U	U
INDENO(1,2,3-C,D)PYRENE	193-39-5	16	33	UG/KG	U	U
ISOPHORONE	78-59-1	130	250	UG/KG	U	U
NAPHTHALENE	91-20-3	16	33	UG/KG	U	U
NITROBENZENE	98-95-3	16	490	UG/KG	U	U
N-NITROSODI-N-PROPYLAMINE	621-64-7	130	250	UG/KG	U	U

Sample Delivery Group: 240-18441-1

N-NITROSODIPHENYLAMINE	86-30-6	130	250	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	390	740	UG/KG	U	U
PHENANTHRENE	85-01-8	27.0	33	UG/KG	J D	J
PHENOL	108-95-2	130	250	UG/KG	U	U
PYRENE	129-00-0	17.0	33	UG/KG	J D	J

Sample Delivery Group: 240-22648-1

Analysis Method SW6020

Sample Name 073SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22648-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	5500	3	MG/KG			
ANTIMONY	7440-36-0	0.047	0.2	MG/KG	J	J-	Q
ARSENIC	7440-38-2	7.3	0.1	MG/KG	Q	J-	Q
BARIUM	7440-39-3	50	1	MG/KG	Q		
BERYLLIUM	7440-41-7	0.38	0.1	MG/KG	Q	J-	Q, A
CADMIUM	7440-43-9	0.2	0.1	MG/KG	Q	J+	I
CALCIUM	7440-70-2	5500	10	MG/KG		J-	Q, E
CHROMIUM	7440-47-3	9.6	0.2	MG/KG			
COBALT	7440-48-4	6.6	0.05	MG/KG	Q		
COPPER	7440-50-8	12	0.2	MG/KG	Q	J-	Q
IRON	7439-89-6	14000	5	MG/KG			
LEAD	7439-92-1	11	0.1	MG/KG	Q		
MAGNESIUM	7439-95-4	1800	10	MG/KG			
MANGANESE	7439-96-5	360	0.5	MG/KG	Q		
NICKEL	7440-02-0	15	0.1	MG/KG			
POTASSIUM	7440-09-7	560	10	MG/KG			
SELENIUM	7782-49-2	0.25	0.5	MG/KG	J	J-	Q
SILVER	7440-22-4	0.24	0.1	MG/KG	Q		
SODIUM	7440-23-5	32	10	MG/KG			
THALLIUM	7440-28-0	0.091	0.1	MG/KG	J Q	J+	I
VANADIUM	7440-62-2	9.8	0.1	MG/KG			
ZINC	7440-66-6	43	0.5	MG/KG	Q	J-	Q, A

Analysis Method SW7471A

Sample Name 073SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22648-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.03	0.11	MG/KG	J	J	

Sample Delivery Group: 240-22648-1

Analysis Method SW8270C

Sample Name 073SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22648-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	50	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	50	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	50	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	28	50	UG/KG	J	J	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	80	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	80	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	80	330	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	50	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	50	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	60	6.6	UG/KG			
2-METHYLPHENOL (O-CRESOL)	95-48-7	80	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	50	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	80	100	UG/KG	U	U	
3-NITROANILINE	99-09-2	80	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	80	150	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	50	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	50	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	80	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.6	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	9.4	6.6	UG/KG			

ANTHRACENE	120-12-7	16	6.6	UG/KG			
BENZO(A)ANTHRACENE	56-55-3	77	6.6	UG/KG			
BENZO(A)PYRENE	50-32-8	62	6.6	UG/KG			
BENZO(B)FLUORANTHENE	205-99-2	110	6.6	UG/KG			
BENZO(G,H,I)PERYLENE	191-24-2	38	6.6	UG/KG			
BENZO(K)FLUORANTHENE	207-08-9	27	6.6	UG/KG	M		
BENZOIC ACID	65-85-0	330	660	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	50	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	100	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	100	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	100	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	89	50	UG/KG	B	U	B
CARBAZOLE	86-74-8	27	50	UG/KG	U	U	
CHRYSENE	218-01-9	77	6.6	UG/KG			
CRESOLS, M & P		80	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.6	UG/KG	U	U	
DIBENZOFURAN	132-64-9	14	50	UG/KG	J	J	
DIETHYL PHTHALATE	84-66-2	27	50	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	50	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	50	UG/KG	J	U	B
DI-N-OCTYLPHTHALATE	117-84-0	27	50	UG/KG	U	U	
FLUORANTHENE	206-44-0	130	6.6	UG/KG			
FLUORENE	86-73-7	5.9	6.6	UG/KG	J	J	
HEXACHLOROBENZENE	118-74-1	3.3	6.6	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	50	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	50	UG/KG	U	UJ	C
INDENO(1,2,3-C,D)PYRENE	193-39-5	33	6.6	UG/KG			
ISOPHORONE	78-59-1	18	50	UG/KG	J	J	
NAPHTHALENE	91-20-3	51	6.6	UG/KG			
NITROBENZENE	98-95-3	3.3	100	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	50	UG/KG	U	U	

N-NITROSODIPHENYLAMINE	86-30-6	27	50	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	80	150	UG/KG	U	U
PHENANTHRENE	85-01-8	62	6.6	UG/KG		
PHENOL	108-95-2	27	50	UG/KG	U	U
PYRENE	129-00-0	100	6.6	UG/KG		

Sample Name 073SD-0047-0001-SD **AnalysisType:** N

Lab Sample Name: 240-22648-11 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	41	75	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	41	75	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	41	75	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	41	75	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	41	230	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	120	230	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	41	230	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	120	230	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	120	500	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	41	300	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	41	300	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	5	75	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	41	75	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	5	10	UG/KG	U	U	
2-METHYLPHENOL (O-CRESOL)	95-48-7	120	300	UG/KG	U	U	
2-NITROANILINE	88-74-4	41	300	UG/KG	U	U	
2-NITROPHENOL	88-75-5	41	75	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	120	150	UG/KG	U	U	
3-NITROANILINE	99-09-2	120	300	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	120	230	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	41	75	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	41	230	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	41	230	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	41	75	UG/KG	U	U	

4-NITROANILINE	100-01-6	41	300	UG/KG	U	U	
4-NITROPHENOL	100-02-7	120	500	UG/KG	U	U	
ACENAPHTHENE	83-32-9	5	10	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	5	10	UG/KG	U	U	
ANTHRACENE	120-12-7	5	10	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	7.6	10	UG/KG	J	J	
BENZO(A)PYRENE	50-32-8	5	10	UG/KG	U	U	
BENZO(B)FLUORANTHENE	205-99-2	8.2	10	UG/KG	J	J	
BENZO(G,H,I)PERYLENE	191-24-2	5	10	UG/KG	U	U	
BENZO(K)FLUORANTHENE	207-08-9	5	10	UG/KG	U	U	
BENZOIC ACID	65-85-0	500	990	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	59	500	UG/KG	J	J	
BENZYL BUTYL PHTHALATE	85-68-7	41	75	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	41	150	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	5	150	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	41	150	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	160	75	UG/KG	B	U	B
CARBAZOLE	86-74-8	41	75	UG/KG	U	U	
CHRYSENE	218-01-9	5.4	10	UG/KG	J	J	
CRESOLS, M & P		120	600	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	5	10	UG/KG	U	U	
DIBENZOFURAN	132-64-9	5	75	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	41	75	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	41	75	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	41	75	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	41	75	UG/KG	U	U	
FLUORANTHENE	206-44-0	11	10	UG/KG			
FLUORENE	86-73-7	5	10	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	5	10	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	41	75	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	41	500	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	41	75	UG/KG	U	UJ	C
INDENO(1,2,3-C,D)PYRENE	193-39-5	5	10	UG/KG	U	U	

Sample Delivery Group: 240-22648-1

ISOPHORONE	78-59-1	41	75	UG/KG	U	U
NAPHTHALENE	91-20-3	5	10	UG/KG	U	U
NITROBENZENE	98-95-3	5	150	UG/KG	U	U
N-NITROSODI-N-PROPYLAMINE	621-64-7	41	75	UG/KG	U	U
N-NITROSODIPHENYLAMINE	86-30-6	41	75	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	120	230	UG/KG	U	U
PHENANTHRENE	85-01-8	5	10	UG/KG	U	U
PHENOL	108-95-2	41	75	UG/KG	U	U
PYRENE	129-00-0	8.3	10	UG/KG	J	J

Sample Delivery Group: 240-22663-1

Analysis Method SW6020

Sample Name 073SB-0038M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22663-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	6800	2.8	MG/KG			
ANTIMONY	7440-36-0	0.067	0.19	MG/KG	J	J-	Q
ARSENIC	7440-38-2	19	0.093	MG/KG		J-	Q
BARIUM	7440-39-3	32	0.93	MG/KG	Q		
BERYLLIUM	7440-41-7	0.35	0.093	MG/KG	Q		
CADMIUM	7440-43-9	0.19	0.093	MG/KG	Q		
CALCIUM	7440-70-2	640	9.3	MG/KG			
CHROMIUM	7440-47-3	10	0.19	MG/KG			
COBALT	7440-48-4	8.7	0.046	MG/KG	Q		
COPPER	7440-50-8	20	0.19	MG/KG	Q		
IRON	7439-89-6	22000	4.6	MG/KG			
LEAD	7439-92-1	17	0.093	MG/KG	Q		
MAGNESIUM	7439-95-4	2100	9.3	MG/KG			
MANGANESE	7439-96-5	460	0.46	MG/KG	Q		
NICKEL	7440-02-0	21	0.093	MG/KG			
POTASSIUM	7440-09-7	1000	9.3	MG/KG			
SELENIUM	7782-49-2	0.28	0.46	MG/KG	J	J-	Q
SILVER	7440-22-4	0.022	0.093	MG/KG	J	J	
SODIUM	7440-23-5	40	9.3	MG/KG			
THALLIUM	7440-28-0	0.15	0.093	MG/KG			
VANADIUM	7440-62-2	11	0.093	MG/KG			
ZINC	7440-66-6	64	0.46	MG/KG	Q	J-	Q

Analysis Method SW7471A

Sample Name 073SB-0038M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22663-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.018	0.11	MG/KG	J	J	

Sample Delivery Group: 240-22663-2

Analysis Method SW8270C

Sample Name 073SB-0038M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22663-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	270	500	UG/KG	U H	UJ	H
1,2-DICHLOROBENZENE	95-50-1	270	500	UG/KG	U H	UJ	H
1,3-DICHLOROBENZENE	541-73-1	270	500	UG/KG	U H	UJ	H
1,4-DICHLOROBENZENE	106-46-7	270	500	UG/KG	U H	UJ	H
2,4,5-TRICHLOROPHENOL	95-95-4	270	1500	UG/KG	U H	UJ	H
2,4,6-TRICHLOROPHENOL	88-06-2	810	1500	UG/KG	U H	UJ	H
2,4-DICHLOROPHENOL	120-83-2	270	1500	UG/KG	U H	UJ	H
2,4-DIMETHYLPHENOL	105-67-9	810	1500	UG/KG	U H	UJ	H
2,4-DINITROPHENOL	51-28-5	810	3300	UG/KG	U H	UJ	H, C
2,4-DINITROTOLUENE	121-14-2	270	2000	UG/KG	U H	UJ	H
2,6-DINITROTOLUENE	606-20-2	270	2000	UG/KG	U H	UJ	H
2-CHLORONAPHTHALENE	91-58-7	33	500	UG/KG	U H	UJ	H
2-CHLOROPHENOL	95-57-8	270	500	UG/KG	U H	UJ	H
2-METHYLNAPHTHALENE	91-57-6	33	67	UG/KG	U H	UJ	H
2-METHYLPHENOL (O-CRESOL)	95-48-7	810	2000	UG/KG	U H	UJ	H
2-NITROANILINE	88-74-4	270	2000	UG/KG	U H	UJ	H
2-NITROPHENOL	88-75-5	270	500	UG/KG	U H	UJ	H
3,3'-DICHLOROBENZIDINE	91-94-1	810	1000	UG/KG	U H	UJ	H
3-NITROANILINE	99-09-2	810	2000	UG/KG	U H	UJ	H
4,6-DINITRO-2-METHYLPHENOL	534-52-1	810	1500	UG/KG	U H	UJ	H, C
4-BROMOPHENYL PHENYL ETHE	101-55-3	270	500	UG/KG	U H	UJ	H
4-CHLORO-3-METHYLPHENOL	59-50-7	270	1500	UG/KG	U H	UJ	H
4-CHLOROANILINE	106-47-8	270	1500	UG/KG	U H	UJ	H
4-CHLOROPHENYL PHENYL ETH	7005-72-3	270	500	UG/KG	U H	UJ	H
4-NITROANILINE	100-01-6	270	2000	UG/KG	U H	UJ	H
4-NITROPHENOL	100-02-7	810	3300	UG/KG	U H	UJ	H
ACENAPHTHENE	83-32-9	33	67	UG/KG	U H	UJ	H
ACENAPHTHYLENE	208-96-8	33	67	UG/KG	U H	UJ	H

Sample Delivery Group: 240-22663-2

ANTHRACENE	120-12-7	33	67	UG/KG	U H	UJ	H
BENZO(A)ANTHRACENE	56-55-3	33	67	UG/KG	U H	UJ	H
BENZO(A)PYRENE	50-32-8	33	67	UG/KG	U H	UJ	H
BENZO(B)FLUORANTHENE	205-99-2	33	67	UG/KG	U H	UJ	H
BENZO(G,H,I)PERYLENE	191-24-2	33	67	UG/KG	U H	UJ	H
BENZO(K)FLUORANTHENE	207-08-9	33	67	UG/KG	U H	UJ	H
BENZOIC ACID	65-85-0	3400	6700	UG/KG	U H	R	L
BENZYL ALCOHOL	100-51-6	270	3300	UG/KG	U H	UJ	H
BENZYL BUTYL PHTHALATE	85-68-7	270	710	UG/KG	U H	UJ	H
BIS(2-CHLOROETHOXY) METHA	111-91-1	270	1000	UG/KG	U H	UJ	H
BIS(2-CHLOROETHYL) ETHER	111-44-4	33	1000	UG/KG	U H	UJ	H
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	270	1000	UG/KG	U H	UJ	H
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	270	710	UG/KG	U H	UJ	H
CARBAZOLE	86-74-8	270	500	UG/KG	U H	UJ	H
CHRYSENE	218-01-9	33	67	UG/KG	U H	UJ	H
CRESOLS, M & P		810	4000	UG/KG	U H	UJ	H
DIBENZ(A,H)ANTHRACENE	53-70-3	33	67	UG/KG	U H	UJ	H
DIBENZOFURAN	132-64-9	33	500	UG/KG	U H	UJ	H
DIETHYL PHTHALATE	84-66-2	270	710	UG/KG	U H	UJ	H
DIMETHYL PHTHALATE	131-11-3	270	710	UG/KG	U H	UJ	H
DI-N-BUTYL PHTHALATE	84-74-2	270	710	UG/KG	U H Q	UJ	H
DI-N-OCTYLPHTHALATE	117-84-0	270	710	UG/KG	U H	UJ	H
FLUORANTHENE	206-44-0	33	67	UG/KG	U H Q	UJ	H
FLUORENE	86-73-7	33	67	UG/KG	U H	UJ	H
HEXACHLOROBENZENE	118-74-1	33	67	UG/KG	U H	UJ	H
HEXACHLOROBUTADIENE	87-68-3	270	500	UG/KG	U H	UJ	H
HEXACHLOROCYCLOPENTADIE	77-47-4	270	3300	UG/KG	U H	UJ	H
HEXACHLOROETHANE	67-72-1	270	500	UG/KG	U H	UJ	H
INDENO(1,2,3-C,D)PYRENE	193-39-5	33	67	UG/KG	U H	UJ	H
ISOPHORONE	78-59-1	270	500	UG/KG	U H	UJ	H
NAPHTHALENE	91-20-3	33	67	UG/KG	U H	UJ	H
NITROBENZENE	98-95-3	33	1000	UG/KG	U H	UJ	H
N-NITROSODI-N-PROPYLAMINE	621-64-7	270	500	UG/KG	U H	UJ	H

Sample Delivery Group: 240-22663-2

N-NITROSODIPHENYLAMINE	86-30-6	270	500	UG/KG	U H	UJ	H
PENTACHLOROPHENOL	87-86-5	810	1500	UG/KG	U H	UJ	H
PHENANTHRENE	85-01-8	33	67	UG/KG	U H	UJ	H
PHENOL	108-95-2	270	500	UG/KG	U H	UJ	H
PYRENE	129-00-0	33	67	UG/KG	U H	UJ	H

Validated Sample Result Forms for Sampling : Ravenna Army Ammunition Plant Ravenna, Ohio
Remediation Investigation Compliance Restoration Site: RVAAP-74 Building 1034 Motor Pool Hydraulic Lift

Sample Delivery Group: 240-22756-1

Analysis Method M8015D

Sample Name 074SB-0001-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22756-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
C20-C34		11	19	MG/KG	U	U	

Sample Name 074SB-0002-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22756-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
C20-C34		11	19	MG/KG	U	U	

Sample Delivery Group: 240-22756-1

Analysis Method SW8270C

Sample Name 074SB-0002-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22756-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	32	59	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	32	59	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	32	59	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	32	59	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	32	180	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	94	180	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	32	180	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	94	180	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	94	390	UG/KG	U	UJ	C
2,4-DINITROTOLUENE	121-14-2	32	230	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	32	230	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.9	59	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	32	59	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	3.9	7.8	UG/KG	U	U	
2-METHYLPHENOL (O-CRESOL)	95-48-7	94	230	UG/KG	U	U	
2-NITROANILINE	88-74-4	32	230	UG/KG	U	U	
2-NITROPHENOL	88-75-5	32	59	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	94	120	UG/KG	U	U	
3-NITROANILINE	99-09-2	94	230	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	94	180	UG/KG	U	UJ	C
4-BROMOPHENYL PHENYL ETHE	101-55-3	32	59	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	32	180	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	32	180	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	32	59	UG/KG	U	U	
4-NITROANILINE	100-01-6	32	230	UG/KG	U	U	
4-NITROPHENOL	100-02-7	94	390	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.9	7.8	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.9	7.8	UG/KG	U	U	

Sample Delivery Group: 240-22756-1

ANTHRACENE	120-12-7	3.9	7.8	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.9	7.8	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	3.9	7.8	UG/KG	U	U	
BENZO(B)FLUORANTHENE	205-99-2	3.9	7.8	UG/KG	U	U	
BENZO(G,H,I)PERYLENE	191-24-2	3.9	7.8	UG/KG	U	U	
BENZO(K)FLUORANTHENE	207-08-9	3.9	7.8	UG/KG	U	U	
BENZOIC ACID	65-85-0	390	770	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	32	390	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	32	82	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	32	120	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.9	120	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	32	120	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	32	82	UG/KG	J	U	B
CARBAZOLE	86-74-8	32	59	UG/KG	U	U	
CHRYSENE	218-01-9	3.9	7.8	UG/KG	U	U	
CRESOLS, M & P		94	470	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.9	7.8	UG/KG	U	U	
DIBENZOFURAN	132-64-9	3.9	59	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	32	82	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	32	82	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	32	82	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	32	82	UG/KG	U	U	
FLUORANTHENE	206-44-0	3.9	7.8	UG/KG	U	U	
FLUORENE	86-73-7	3.9	7.8	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.9	7.8	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	32	59	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	32	390	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	32	59	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.9	7.8	UG/KG	U	U	
ISOPHORONE	78-59-1	32	59	UG/KG	U	U	
NAPHTHALENE	91-20-3	3.9	7.8	UG/KG	U	U	
NITROBENZENE	98-95-3	3.9	120	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	32	59	UG/KG	U	U	

Sample Delivery Group: 240-22756-1

N-NITROSODIPHENYLAMINE	86-30-6	32	59	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	94	180	UG/KG	U	U
PHENANTHRENE	85-01-8	3.9	7.8	UG/KG	U	U
PHENOL	108-95-2	32	59	UG/KG	U	U
PYRENE	129-00-0	3.9	7.8	UG/KG	U	U

Sample Delivery Group: 240-22804-1

Analysis Method E353.2

Sample Name 074SB-0010-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
NITROCELLULOSE	9004-70-0	2.1	5.9	MG/KG	U	U	

Analysis Method M8015D

Sample Name 074SB-0010-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
C20-C34		11	20	MG/KG	U	U	

Sample Name 074SB-0027-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-10 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
C20-C34		11	20	MG/KG	U	U	

Sample Delivery Group: 240-22804-1

Analysis Method SW6020

Sample Name 074SB-0010-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	12000	3.5	MG/KG			
ANTIMONY	7440-36-0	0.12	0.24	MG/KG	U	U	
ARSENIC	7440-38-2	8.2	0.12	MG/KG			
BARIUM	7440-39-3	67	1.2	MG/KG	Q		
BERYLLIUM	7440-41-7	0.6	0.12	MG/KG	Q		
CADMIUM	7440-43-9	0.2	0.12	MG/KG		J+	I
CALCIUM	7440-70-2	32000	12	MG/KG			
CHROMIUM	7440-47-3	19	0.24	MG/KG			
COBALT	7440-48-4	12	0.059	MG/KG	Q		
COPPER	7440-50-8	18	0.24	MG/KG	Q		
IRON	7439-89-6	24000	5.9	MG/KG			
LEAD	7439-92-1	11	0.12	MG/KG	Q		
MAGNESIUM	7439-95-4	8000	12	MG/KG			
MANGANESE	7439-96-5	350	0.59	MG/KG	Q		
NICKEL	7440-02-0	28	0.12	MG/KG			
POTASSIUM	7440-09-7	2200	12	MG/KG			
SELENIUM	7782-49-2	0.26	0.59	MG/KG	J	J+	I
SILVER	7440-22-4	0.037	0.12	MG/KG	J	J+	I
SODIUM	7440-23-5	120	12	MG/KG			
THALLIUM	7440-28-0	0.19	0.12	MG/KG			
VANADIUM	7440-62-2	20	0.12	MG/KG			
ZINC	7440-66-6	52	0.59	MG/KG	Q		

Analysis Method SW7471A

Sample Name 074SB-0010-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.039	0.12	MG/KG	U	UJ	C

Sample Delivery Group: 240-22804-1

Analysis Method SW8082

Sample Name 074SB-0010-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	29	77	UG/KG	U	U	
PCB-1221	11104-28-2	29	59	UG/KG	U	U	
PCB-1232	11141-16-5	29	53	UG/KG	U	U	
PCB-1242	53469-21-9	29	47	UG/KG	U	U	
PCB-1248	12672-29-6	29	65	UG/KG	U	U	
PCB-1254	11097-69-1	29	65	UG/KG	U	U	
PCB-1260	11096-82-5	29	65	UG/KG	U	U	

Sample Delivery Group: 240-22804-1

Analysis Method SW8260B

Sample Name 074SB-0010-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	0.91	4.5	UG/KG	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.45	4.5	UG/KG	U	U	
1,1,2-TRICHLOROETHANE	79-00-5	0.45	4.5	UG/KG	U	U	
1,1-DICHLOROETHANE	75-34-3	0.45	4.5	UG/KG	U	U	
1,1-DICHLOROETHENE	75-35-4	0.91	4.5	UG/KG	U	U	
1,2-DIBROMOETHANE	106-93-4	0.91	4.5	UG/KG	U	U	
1,2-DICHLOROETHANE	107-06-2	0.45	4.5	UG/KG	U	U	
1,2-DICHLOROPROPANE	78-87-5	0.91	4.5	UG/KG	U	U	
2-HEXANONE	591-78-6	0.93	19	UG/KG	U	UJ	S
ACETONE	67-64-1	5.7	18	UG/KG	U	U	
BENZENE	71-43-2	0.45	4.5	UG/KG	U	U	
BROMOCHLOROMETHANE	74-97-5	0.91	4.5	UG/KG	U	U	
BROMODICHLOROMETHANE	75-27-4	0.45	4.5	UG/KG	U	U	
BROMOFORM	75-25-2	0.45	4.5	UG/KG	U	U	
BROMOMETHANE	74-83-9	0.91	4.5	UG/KG	U	U	
CARBON DISULFIDE	75-15-0	0.45	4.5	UG/KG	U	U	
CARBON TETRACHLORIDE	56-23-5	0.45	4.5	UG/KG	U	U	
CHLOROBENZENE	108-90-7	0.45	4.5	UG/KG	U	U	
CHLOROETHANE	75-00-3	0.91	4.5	UG/KG	U	U	
CHLOROFORM	67-66-3	0.45	4.5	UG/KG	U	U	
CHLOROMETHANE	74-87-3	0.45	4.5	UG/KG	U	U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.45	4.5	UG/KG	U	U	
DIBROMOCHLOROMETHANE	124-48-1	0.91	4.5	UG/KG	U	U	
ETHYLBENZENE	100-41-4	0.45	4.5	UG/KG	U	U	
METHYL ETHYL KETONE	78-93-3	1.9	19	UG/KG	U	UJ	S
METHYL ISOBUTYL KETONE	108-10-1	0.93	19	UG/KG	U	UJ	S
METHYLENE CHLORIDE	75-09-2	0.91	4.5	UG/KG	U	U	
STYRENE	100-42-5	0.45	4.5	UG/KG	U	U	

Sample Delivery Group: 240-22804-1

TETRACHLOROETHYLENE	127-18-4	0.91	4.5	UG/KG	U	U
TOLUENE	108-88-3	0.45	4.5	UG/KG	U	U
TOTAL 1,2-DICHLOROETHENE	540-59-0	0.91	9.1	UG/KG	U	U
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.91	4.5	UG/KG	U	U
TRICHLOROETHYLENE	79-01-6	0.45	4.5	UG/KG	U	U
VINYL CHLORIDE	75-01-4	0.45	4.5	UG/KG	U	U
XYLENES, TOTAL		1.4	9.1	UG/KG	U	U

Sample Delivery Group: 240-22804-1

Analysis Method SW8270C

Sample Name 074SB-0010-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	32	58	UG/KG	U H	UJ	H
1,2-DICHLOROBENZENE	95-50-1	32	58	UG/KG	U H	UJ	H
1,3-DICHLOROBENZENE	541-73-1	32	58	UG/KG	U H	UJ	H
1,4-DICHLOROBENZENE	106-46-7	32	58	UG/KG	U H	UJ	H
2,4,5-TRICHLOROPHENOL	95-95-4	32	180	UG/KG	U H	UJ	H
2,4,6-TRICHLOROPHENOL	88-06-2	93	180	UG/KG	U H	UJ	H
2,4-DICHLOROPHENOL	120-83-2	32	180	UG/KG	U H	UJ	H
2,4-DIMETHYLPHENOL	105-67-9	93	180	UG/KG	U H	UJ	H
2,4-DINITROPHENOL	51-28-5	93	390	UG/KG	U H	UJ	H, C
2,4-DINITROTOLUENE	121-14-2	32	230	UG/KG	U H	UJ	H
2,6-DINITROTOLUENE	606-20-2	32	230	UG/KG	U H	UJ	H
2-CHLORONAPHTHALENE	91-58-7	3.9	58	UG/KG	U H	UJ	H
2-CHLOROPHENOL	95-57-8	32	58	UG/KG	U H	UJ	H
2-METHYLNAPHTHALENE	91-57-6	3.9	7.8	UG/KG	U H	UJ	H
2-METHYLPHENOL (O-CRESOL)	95-48-7	93	230	UG/KG	U H	UJ	H
2-NITROANILINE	88-74-4	32	230	UG/KG	U H	UJ	H
2-NITROPHENOL	88-75-5	32	58	UG/KG	U H	UJ	H
3,3'-DICHLOROBENZIDINE	91-94-1	93	120	UG/KG	U H	UJ	H
3-NITROANILINE	99-09-2	93	230	UG/KG	U H	UJ	H
4,6-DINITRO-2-METHYLPHENOL	534-52-1	93	180	UG/KG	U H	UJ	H
4-BROMOPHENYL PHENYL ETHE	101-55-3	32	58	UG/KG	U H	UJ	H
4-CHLORO-3-METHYLPHENOL	59-50-7	32	180	UG/KG	U H	UJ	H
4-CHLOROANILINE	106-47-8	32	180	UG/KG	U H	UJ	H
4-CHLOROPHENYL PHENYL ETH	7005-72-3	32	58	UG/KG	U H	UJ	H
4-NITROANILINE	100-01-6	32	230	UG/KG	U H	UJ	H
4-NITROPHENOL	100-02-7	93	390	UG/KG	U H	UJ	H
ACENAPHTHENE	83-32-9	3.9	7.8	UG/KG	U H	UJ	H
ACENAPHTHYLENE	208-96-8	3.9	7.8	UG/KG	U H	UJ	H

Sample Delivery Group: 240-22804-1

ANTHRACENE	120-12-7	3.9	7.8	UG/KG	U H	UJ	H
BENZO(A)ANTHRACENE	56-55-3	3.9	7.8	UG/KG	U H	UJ	H
BENZO(A)PYRENE	50-32-8	3.9	7.8	UG/KG	U H	UJ	H
BENZO(B)FLUORANTHENE	205-99-2	3.9	7.8	UG/KG	U H	UJ	H
BENZO(G,H,I)PERYLENE	191-24-2	3.9	7.8	UG/KG	U H	UJ	H
BENZO(K)FLUORANTHENE	207-08-9	3.9	7.8	UG/KG	U H	UJ	H
BENZOIC ACID	65-85-0	390	770	UG/KG	U H	R	L
BENZYL ALCOHOL	100-51-6	32	390	UG/KG	U H	UJ	H
BENZYL BUTYL PHTHALATE	85-68-7	32	82	UG/KG	U H	UJ	H
BIS(2-CHLOROETHOXY) METHA	111-91-1	32	120	UG/KG	U H	UJ	H
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.9	120	UG/KG	U H	UJ	H
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	32	120	UG/KG	U H	UJ	H
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	120	82	UG/KG	H	J	H
CARBAZOLE	86-74-8	32	58	UG/KG	U H	UJ	H
CHRYSENE	218-01-9	3.9	7.8	UG/KG	U H	UJ	H
CRESOLS, M & P		93	470	UG/KG	U H	UJ	H
DIBENZ(A,H)ANTHRACENE	53-70-3	3.9	7.8	UG/KG	U H	UJ	H
DIBENZOFURAN	132-64-9	3.9	58	UG/KG	U H	UJ	H
DIETHYL PHTHALATE	84-66-2	32	82	UG/KG	U H	UJ	H
DIMETHYL PHTHALATE	131-11-3	32	82	UG/KG	U H	UJ	H
DI-N-BUTYL PHTHALATE	84-74-2	32	82	UG/KG	U H	UJ	H
DI-N-OCTYLPHTHALATE	117-84-0	32	82	UG/KG	U H	UJ	H
FLUORANTHENE	206-44-0	3.9	7.8	UG/KG	U H	UJ	H
FLUORENE	86-73-7	3.9	7.8	UG/KG	U H	UJ	H
HEXACHLOROBENZENE	118-74-1	3.9	7.8	UG/KG	U H	UJ	H
HEXACHLOROBUTADIENE	87-68-3	32	58	UG/KG	U H	UJ	H
HEXACHLOROCYCLOPENTADIE	77-47-4	32	390	UG/KG	U H	UJ	H
HEXACHLOROETHANE	67-72-1	32	58	UG/KG	U H	UJ	H
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.9	7.8	UG/KG	U H	UJ	H
ISOPHORONE	78-59-1	32	58	UG/KG	U H	UJ	H
NAPHTHALENE	91-20-3	3.9	7.8	UG/KG	U H	UJ	H
NITROBENZENE	98-95-3	3.9	120	UG/KG	U H	UJ	H
N-NITROSODI-N-PROPYLAMINE	621-64-7	32	58	UG/KG	U H	UJ	H

Sample Delivery Group: 240-22804-1

N-NITROSODIPHENYLAMINE	86-30-6	32	58	UG/KG	U H	UJ	H
PENTACHLOROPHENOL	87-86-5	93	180	UG/KG	U H	UJ	H
PHENANTHRENE	85-01-8	3.9	7.8	UG/KG	U H	UJ	H
PHENOL	108-95-2	32	58	UG/KG	U H	UJ	H
PYRENE	129-00-0	3.9	7.8	UG/KG	U H	UJ	H

Sample Name 074SB-0027-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-10 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	32	59	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	32	59	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	32	59	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	32	59	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	32	180	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	94	180	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	32	180	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	94	180	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	94	390	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	32	240	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	32	240	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.9	59	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	32	59	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	3.9	7.8	UG/KG	U	U	
2-METHYLPHENOL (O-CRESOL)	95-48-7	94	240	UG/KG	U	U	
2-NITROANILINE	88-74-4	32	240	UG/KG	U	U	
2-NITROPHENOL	88-75-5	32	59	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	94	120	UG/KG	U	U	
3-NITROANILINE	99-09-2	94	240	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	94	180	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	32	59	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	32	180	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	32	180	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	32	59	UG/KG	U	U	

Sample Delivery Group: 240-22804-1

4-NITROANILINE	100-01-6	32	240	UG/KG	U	U	
4-NITROPHENOL	100-02-7	94	390	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.9	7.8	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.9	7.8	UG/KG	U	U	
ANTHRACENE	120-12-7	3.9	7.8	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.9	7.8	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	3.9	7.8	UG/KG	U	U	
BENZO(B)FLUORANTHENE	205-99-2	3.9	7.8	UG/KG	U	U	
BENZO(G,H,I)PERYLENE	191-24-2	3.9	7.8	UG/KG	U	U	
BENZO(K)FLUORANTHENE	207-08-9	3.9	7.8	UG/KG	U	U	
BENZOIC ACID	65-85-0	390	780	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	32	390	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	32	82	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	32	120	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.9	120	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	32	120	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	26	82	UG/KG	J	J	
CARBAZOLE	86-74-8	32	59	UG/KG	U	U	
CHRYSENE	218-01-9	3.9	7.8	UG/KG	U	U	
CRESOLS, M & P		94	470	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.9	7.8	UG/KG	U	U	
DIBENZOFURAN	132-64-9	3.9	59	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	32	82	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	32	82	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	33	82	UG/KG	J	U	B
DI-N-OCTYLPHTHALATE	117-84-0	32	82	UG/KG	U	U	
FLUORANTHENE	206-44-0	3.9	7.8	UG/KG	U	U	
FLUORENE	86-73-7	3.9	7.8	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.9	7.8	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	32	59	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	32	390	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	32	59	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.9	7.8	UG/KG	U	U	

Sample Delivery Group: 240-22804-1

ISOPHORONE	78-59-1	32	59	UG/KG	U	U
NAPHTHALENE	91-20-3	3.9	7.8	UG/KG	U	U
NITROBENZENE	98-95-3	3.9	120	UG/KG	U	U
N-NITROSODI-N-PROPYLAMINE	621-64-7	32	59	UG/KG	U	U
N-NITROSODIPHENYLAMINE	86-30-6	32	59	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	94	180	UG/KG	U	U
PHENANTHRENE	85-01-8	3.9	7.8	UG/KG	U	U
PHENOL	108-95-2	32	59	UG/KG	U	U
PYRENE	129-00-0	3.9	7.8	UG/KG	U	U

Analysis Method SW8330B

Sample Name 074SB-0010-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22804-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-TRINITROBENZENE	99-35-4	0.05	0.25	MG/KG	U	U	
1,3-DINITROBENZENE	99-65-0	0.05	0.25	MG/KG	U	U	
2,4,6-TRINITROTOLUENE	118-96-7	0.05	0.25	MG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	0.05	0.25	MG/KG	U	R	D
2,6-DINITROTOLUENE	606-20-2	0.05	0.25	MG/KG	U	R	D
2-AMINO-4,6-DINITROTOLUENE	35572-78-2	0.05	0.25	MG/KG	U	U	
2-NITROTOLUENE	88-72-2	0.05	0.25	MG/KG	U	U	
3-NITROTOLUENE	99-08-1	0.05	0.25	MG/KG	U	U	
4-AMINO-2,6-DINITROTOLUENE	19406-51-0	0.05	0.25	MG/KG	U	U	
4-NITROTOLUENE	99-99-0	0.05	0.25	MG/KG	U	U	
HMX	2691-41-0	0.05	0.25	MG/KG	U	U	
NITROBENZENE	98-95-3	0.05	0.25	MG/KG	U	R	D
NITROGLYCERIN	55-63-0	0.25	0.5	MG/KG	U	U	
NITROGUANIDINE	556-88-7	0.038	0.24	MG/KG	U	U	
PETN	78-11-5	0.25	0.5	MG/KG	U	U	
RDX	121-82-4	0.05	0.25	MG/KG	U	U	
TETRYL	479-45-8	0.05	0.25	MG/KG	U	U	

Validated Sample Result Forms for Sampling : Ravenna Army Ammunition Plant Ravenna, Ohio
Remediation Investigation Compliance Restoration Site: RVAAP-76 Depot Area

Sample Delivery Group: 240-17317-1

Analysis Method SW6020

Sample Name 076SD-0009-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-19 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	7500.0	9.6	MG/KG	J	J	
ANTIMONY	7440-36-0	0.72	0.96	MG/KG	U J	R	Q
ARSENIC	7440-38-2	9.5	0.48	MG/KG			
BARIUM	7440-39-3	57.0	2.4	MG/KG	D		
BERYLLIUM	7440-41-7	0.45	0.096	MG/KG			
CADMIUM	7440-43-9	0.16	0.19	MG/KG	J	J	
CALCIUM	7440-70-2	1800.0	190	MG/KG	J	J+	Q
CHROMIUM	7440-47-3	44.0	0.48	MG/KG		J	E
COBALT	7440-48-4	7.3	0.096	MG/KG			
COPPER	7440-50-8	15.0	0.38	MG/KG			
IRON	7439-89-6	19000.0	48	MG/KG	J	J	
LEAD	7439-92-1	19.0	1.4	MG/KG	D		
MAGNESIUM	7439-95-4	1800.0	96	MG/KG			
MANGANESE	7439-96-5	310.0	0.48	MG/KG			
NICKEL	7440-02-0	30.0	0.48	MG/KG		J	Q
POTASSIUM	7440-09-7	590.0	96	MG/KG		J+	Q
SELENIUM	7782-49-2	0.52	0.48	MG/KG		J	M
SILVER	7440-22-4	0.029	0.096	MG/KG	J	J	
SODIUM	7440-23-5	49.0	96	MG/KG	J	J	
THALLIUM	7440-28-0	0.72	0.96	MG/KG	U	U	
VANADIUM	7440-62-2	14.0	0.48	MG/KG		J+	Q
ZINC	7440-66-6	49.0	3.8	MG/KG			

Sample Delivery Group: 240-17317-1

Analysis Method SW7471A

Sample Name 076SD-0009-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-19 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.053	0.095	MG/KG	J	U	B

Sample Delivery Group: 240-17317-1

Analysis Method SW8270D

Sample Name 076SD-0009-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17317-19 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	51	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	51	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	51	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	51	UG/KG	U	U	
2,2'-OXYBIS(1-CHLORO)PROPAN	108-60-1	27	100	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	81	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	81	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	81	330	UG/KG	U	UJ	C
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	51	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	51	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	30.0	6.8	UG/KG			
2-METHYLPHENOL (O-CRESOL)	95-48-7	81	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	51	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	81	100	UG/KG	U J	R	Q
3-NITROANILINE	99-09-2	81	200	UG/KG	U J	R	Q
4,6-DINITRO-2-METHYLPHENOL	534-52-1	81	150	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	51	UG/KG	U	UJ	C
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U J	UJ	Q
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	51	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U J	R	Q
4-NITROPHENOL	100-02-7	81	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	7.1	6.8	UG/KG			

Sample Delivery Group: 240-17317-1

ACENAPHTHYLENE	208-96-8	13.0	6.8	UG/KG			
ANTHRACENE	120-12-7	16.0	6.8	UG/KG			
BENZO(A)ANTHRACENE	56-55-3	71.0	6.8	UG/KG			
BENZO(A)PYRENE	50-32-8	69.0	6.8	UG/KG			
BENZO(B)FLUORANTHENE	205-99-2	110.0	6.8	UG/KG			
BENZO(G,H,I)PERYLENE	191-24-2	39.0	6.8	UG/KG	J	J	Q
BENZO(K)FLUORANTHENE	207-08-9	38.0	6.8	UG/KG			
BENZOIC ACID	65-85-0	340	670	UG/KG	U	UJ	C
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	51	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	100	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	100	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	89.0	51	UG/KG			
CARBAZOLE	86-74-8	27	51	UG/KG	U	U	
CHRYSENE	218-01-9	73.0	6.8	UG/KG			
CRESOLS, M & P		81	410	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.8	UG/KG	U	U	
DIBENZOFURAN	132-64-9	14.0	51	UG/KG	J	J	
DIETHYL PHTHALATE	84-66-2	23.0	51	UG/KG	J	J	
DIMETHYL PHTHALATE	131-11-3	27	51	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	51	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	27	51	UG/KG	U	U	
FLUORANTHENE	206-44-0	120.0	6.8	UG/KG			
FLUORENE	86-73-7	12.0	6.8	UG/KG			
HEXACHLOROBENZENE	118-74-1	3.3	6.8	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	51	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	51	UG/KG	U J	UJ	C, Q
INDENO(1,2,3-C,D)PYRENE	193-39-5	33.0	6.8	UG/KG	M J		
ISOPHORONE	78-59-1	18.0	51	UG/KG	J	J	
NAPHTHALENE	91-20-3	22.0	6.8	UG/KG			
NITROBENZENE	98-95-3	3.3	100	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	51	UG/KG	U	U	

Sample Delivery Group: 240-17317-1

N-NITROSODIPHENYLAMINE	86-30-6	27	51	UG/KG	U	U	
PENTACHLOROPHENOL	87-86-5	81	150	UG/KG	U	UJ	C
PHENANTHRENE	85-01-8	68.0	6.8	UG/KG			
PHENOL	108-95-2	27	51	UG/KG	U	U	
PYRENE	129-00-0	100.0	6.8	UG/KG			

Sample Delivery Group: 240-17422-1

Analysis Method E353.2

Sample Name 076SS-0020M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
NITROCELLULOSE	9004-70-0	18	50	MG/KG	U	U	

Analysis Method SW6020

Sample Name 076SS-0020M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	11000.0	9.3	MG/KG			
ANTIMONY	7440-36-0	0.17	0.19	MG/KG	J	J-	Q
ARSENIC	7440-38-2	11.0	0.46	MG/KG		J-	Q
BARIUM	7440-39-3	100.0	0.46	MG/KG			
BERYLLIUM	7440-41-7	0.62	0.093	MG/KG			
CADMIUM	7440-43-9	0.2	0.19	MG/KG			
CALCIUM	7440-70-2	1100.0	190	MG/KG			
CHROMIUM	7440-47-3	16.0	0.46	MG/KG			
COBALT	7440-48-4	9.4	0.093	MG/KG			
COPPER	7440-50-8	12.0	0.37	MG/KG			
IRON	7439-89-6	19000.0	46	MG/KG			
LEAD	7439-92-1	38.0	0.28	MG/KG			
MAGNESIUM	7439-95-4	2000.0	93	MG/KG			
MANGANESE	7439-96-5	760.0	0.46	MG/KG	J	J	
NICKEL	7440-02-0	18.0	0.46	MG/KG			
POTASSIUM	7440-09-7	801.0	93	MG/KG			
SELENIUM	7782-49-2	0.6	0.46	MG/KG		J-	M, Q
SILVER	7440-22-4	0.073	0.093	MG/KG	J	J	
SODIUM	7440-23-5	37	93	MG/KG	J	U	F
THALLIUM	7440-28-0	0.21	0.19	MG/KG		UJ	C, F
VANADIUM	7440-62-2	18.0	0.46	MG/KG			
ZINC	7440-66-6	120.0	3.7	MG/KG			

Sample Delivery Group: 240-17422-1

Analysis Method SW7471A

Sample Name 076SS-0020M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.077	0.10	MG/KG	J	U	B

Analysis Method SW8081

Sample Name 076SS-0020M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALDRIN	309-00-2	6.7	20	UG/KG	U	U	
ALPHA BHC	319-84-6	6.7	13	UG/KG	U	U	
ALPHA ENDOSULFAN	959-98-8	3.4	8.6	UG/KG	U	U	
ALPHA-CHLORDANE	5103-71-9	6.7	15	UG/KG	U	U	
BETA BHC	319-85-7	6.7	18	UG/KG	U	U	
BETA ENDOSULFAN	33213-65-9	6.7	13	UG/KG	U	U	
DELTA BHC	319-86-8	6.7	20	UG/KG	U	U	
DIELDRIN	60-57-1	3.4	8.6	UG/KG	U	U	
ENDOSULFAN SULFATE	1031-07-8	6.7	15	UG/KG	U	U	
ENDRIN	72-20-8	3.4	8.6	UG/KG	U	U	
ENDRIN ALDEHYDE	7421-93-4	6.7	15	UG/KG	U	U	
ENDRIN KETONE	53494-70-5	3.4	10	UG/KG	U	U	
GAMMA BHC (LINDANE)	58-89-9	6.7	13	UG/KG	U	U	
GAMMA-CHLORDANE	5566-34-7	3.4	8.6	UG/KG	U	U	
HEPTACHLOR	76-44-8	6.7	18	UG/KG	U	U	
HEPTACHLOR EPOXIDE	1024-57-3	6.7	13	UG/KG	U J	U	
METHOXYCHLOR	72-43-5	17	25	UG/KG	U	U	
P,P'-DDD	72-54-8	3.4	10	UG/KG	U	U	
P,P'-DDE	72-55-9	3.4	8.6	UG/KG	U	U	
P,P'-DDT	50-29-3	3.4	10	UG/KG	U	U	
TOXAPHENE	8001-35-2	100	340	UG/KG	U	UJ	C

Sample Delivery Group: 240-17422-1

Analysis Method SW8082

Sample Name 076SS-0020M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
AROCLOR 1016	12674-11-2	25	66	UG/KG	U	U	
AROCLOR 1221	11104-28-2	25	51	UG/KG	U	U	
AROCLOR 1232	11141-16-5	25	46	UG/KG	U	U	
AROCLOR 1242	53469-21-9	25	40	UG/KG	U	U	
AROCLOR 1248	12672-29-6	25	56	UG/KG	U	U	
AROCLOR 1254	11097-69-1	25	56	UG/KG	U	U	
AROCLOR 1260	11096-82-5	25	56	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

Analysis Method SW8260B

Sample Name 076SS-0020M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	1.2	5.8	UG/KG	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.58	5.8	UG/KG	U	U	
1,1,2-TRICHLOROETHANE	79-00-5	0.58	5.8	UG/KG	U	U	
1,1-DICHLOROETHANE	75-34-3	0.58	5.8	UG/KG	U	U	
1,1-DICHLOROETHENE	75-35-4	1.2	5.8	UG/KG	U	U	
1,2-DIBROMOETHANE	106-93-4	1.2	5.8	UG/KG	U	U	
1,2-DICHLOROETHANE	107-06-2	0.58	5.8	UG/KG	U	U	
1,2-DICHLOROPROPANE	78-87-5	1.2	5.8	UG/KG	U	U	
2-HEXANONE	591-78-6	1.2	23	UG/KG	U	U	
ACETONE	67-64-1	26.0	23	UG/KG		U	B
BENZENE	71-43-2	0.58	5.8	UG/KG	U	U	
BROMOCHLOROMETHANE	74-97-5	1.2	5.8	UG/KG	U	U	
BROMODICHLOROMETHANE	75-27-4	0.58	5.8	UG/KG	U	U	
BROMOFORM	75-25-2	0.58	5.8	UG/KG	U	U	
BROMOMETHANE	74-83-9	1.2	5.8	UG/KG	U	U	
CARBON DISULFIDE	75-15-0	0.58	5.8	UG/KG	U	U	
CARBON TETRACHLORIDE	56-23-5	0.58	5.8	UG/KG	U	U	
CHLOROBENZENE	108-90-7	0.58	5.8	UG/KG	U J	U	
CHLOROETHANE	75-00-3	1.2	5.8	UG/KG	U	U	
CHLOROFORM	67-66-3	0.58	5.8	UG/KG	U	U	
CHLOROMETHANE	74-87-3	0.58	5.8	UG/KG	U	U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.58	5.8	UG/KG	U	U	
DIBROMOCHLOROMETHANE	124-48-1	1.2	5.8	UG/KG	U	U	
ETHYLBENZENE	100-41-4	0.58	5.8	UG/KG	U J	U	
METHYL ETHYL KETONE	78-93-3	2.3	23	UG/KG	U	U	
METHYL ISOBUTYL KETONE	108-10-1	1.2	23	UG/KG	U	U	
METHYLENE CHLORIDE	75-09-2	1.2	5.8	UG/KG	U	U	
STYRENE	100-42-5	0.58	5.8	UG/KG	U J	U	

Sample Delivery Group: 240-17422-1

TERT-BUTYL METHYL ETHER	1634-04-4	0.58	5.8	UG/KG	U	U
TETRACHLOROETHYLENE	127-18-4	1.2	5.8	UG/KG	U	U
TOLUENE	108-88-3	0.58	5.8	UG/KG	U	U
TOTAL 1,2-DICHLOROETHENE	540-59-0	1.2	12	UG/KG	U	U
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.2	5.8	UG/KG	U	U
TRICHLOROETHYLENE	79-01-6	0.58	5.8	UG/KG	U	U
VINYL CHLORIDE	75-01-4	0.58	5.8	UG/KG	U	U
XYLENES, TOTAL		1.7	12	UG/KG	U J	U

Sample Delivery Group: 240-17422-1

Analysis Method SW8270D

Sample Name 076SS-0020M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	49	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	49	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	49	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	33.0	49	UG/KG	J	J	
2,2'-OXYBIS(1-CHLORO)PROPAN	108-60-1	27	98	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	79	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	79	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	79	330	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	49	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	49	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	18.0	6.6	UG/KG			
2-METHYLPHENOL (O-CRESOL)	95-48-7	79	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	49	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	79	98	UG/KG	U J	R	Q
3-NITROANILINE	99-09-2	79	200	UG/KG	U J	R	Q
4,6-DINITRO-2-METHYLPHENOL	534-52-1	79	150	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	49	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U J	UJ	Q
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	49	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U J	UJ	Q
4-NITROPHENOL	100-02-7	79	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.6	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

ACENAPHTHYLENE	208-96-8	3.3	6.6	UG/KG	U	U	
ANTHRACENE	120-12-7	3.3	6.6	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.3	6.6	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	19.0	6.6	UG/KG			
BENZO(B)FLUORANTHENE	205-99-2	19.0	6.6	UG/KG			
BENZO(G,H,I)PERYLENE	191-24-2	10.0	6.6	UG/KG	M		
BENZO(K)FLUORANTHENE	207-08-9	9.7	6.6	UG/KG	M		
BENZOIC ACID	65-85-0	330	650	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	49	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	98	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	98	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	36.0	49	UG/KG	J	U	B
CARBAZOLE	86-74-8	27	49	UG/KG	U	U	
CHRYSENE	218-01-9	3.3	6.6	UG/KG	U	U	
CRESOLS, M & P		79	390	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.6	UG/KG	U	U	
DIBENZOFURAN	132-64-9	7.0	49	UG/KG	J	J	
DIETHYL PHTHALATE	84-66-2	21.0	49	UG/KG	J B	U	B
DIMETHYL PHTHALATE	131-11-3	27	49	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	16.0	49	UG/KG	J	J	
DI-N-OCTYLPHTHALATE	117-84-0	27	49	UG/KG	U	U	
FLUORANTHENE	206-44-0	28.0	6.6	UG/KG			
FLUORENE	86-73-7	4.7	6.6	UG/KG	J	J	
HEXACHLOROBENZENE	118-74-1	3.3	6.6	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	49	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	49	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	13.0	6.6	UG/KG			
ISOPHORONE	78-59-1	20.0	49	UG/KG	J	J	
NAPHTHALENE	91-20-3	20.0	6.6	UG/KG			
NITROBENZENE	98-95-3	3.3	98	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	49	UG/KG	U	U	

Sample Delivery Group: 240-17422-1

N-NITROSODIPHENYLAMINE	86-30-6	27	49	UG/KG	U	U	
PENTACHLOROPHENOL	87-86-5	79	150	UG/KG	U	U	
PHENANTHRENE	85-01-8	22.0	6.6	UG/KG			
PHENOL	108-95-2	27	49	UG/KG	U	U	
PYRENE	129-00-0	19.0	6.6	UG/KG			

Analysis Method SW8330

Sample Name 076SS-0020M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-17422-2 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-TRINITROBENZENE	99-35-4	0.050	0.25	MG/KG	U	U	
1,3-DINITROBENZENE	99-65-0	0.050	0.25	MG/KG	U	U	
2,4,6-TRINITROTOLUENE	118-96-7	0.050	0.25	MG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	0.050	0.25	MG/KG	U	R	D
2,6-DINITROTOLUENE	606-20-2	0.050	0.25	MG/KG	U	R	D
2-AMINO-4,6-DINITROTOLUENE	35572-78-2	0.050	0.25	MG/KG	U	U	
2-NITROTOLUENE	88-72-2	0.050	0.25	MG/KG	U	UJ	C
3-NITROTOLUENE	99-08-1	0.050	0.25	MG/KG	U	U	
4-AMINO-2,6-DINITROTOLUENE	19406-51-0	0.050	0.25	MG/KG	U	U	
4-NITROTOLUENE	99-99-0	0.050	0.25	MG/KG	U	U	
HMX	2691-41-0	0.050	0.25	MG/KG	U	U	
NITROBENZENE	98-95-3	0.050	0.25	MG/KG	U	R	D
NITROGLYCERIN	55-63-0	0.25	0.50	MG/KG	U	U	
NITROGUANIDINE	556-88-7	0.040	0.25	MG/KG	U	U	
PETN	78-11-5	0.25	0.50	MG/KG	U	U	
RDX	121-82-4	0.050	0.25	MG/KG	U	UJ	C
TETRYL	479-45-8	0.041	0.25	MG/KG	J	NJ	*III

Sample Delivery Group: 240-18544-1

Analysis Method E353.2

Sample Name 076SB-0102M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-21 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
NITROCELLULOSE	9004-70-0	9.3	46	MG/KG	J	J	

Sample Delivery Group: 240-18544-1

Analysis Method SW6020

Sample Name 076SB-0094-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-12 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	9500.0	2.7	MG/KG			
ANTIMONY	7440-36-0	0.23	0.18	MG/KG		J-	Q
ARSENIC	7440-38-2	17.0	0.089	MG/KG		J-	Q
BARIUM	7440-39-3	47.0	0.89	MG/KG	Q	J	M
BERYLLIUM	7440-41-7	0.51	0.089	MG/KG		J-	Q
CADMIUM	7440-43-9	0.13	0.089	MG/KG	Q	J-	Q
CALCIUM	7440-70-2	970.0	8.9	MG/KG		J+	Q
CHROMIUM	7440-47-3	17.0	0.18	MG/KG		J-	Q
COBALT	7440-48-4	9.7	0.045	MG/KG	Q	J-	Q
COPPER	7440-50-8	17.0	0.18	MG/KG	Q	J-	Q
IRON	7439-89-6	29000.0	4.5	MG/KG			
LEAD	7439-92-1	24.0	0.089	MG/KG		J	E
MAGNESIUM	7439-95-4	2100.0	8.9	MG/KG			
MANGANESE	7439-96-5	380.0	0.45	MG/KG	Q	J	E
NICKEL	7440-02-0	21.0	0.089	MG/KG	Q	J-	Q
POTASSIUM	7440-09-7	790.0	8.9	MG/KG		J-	Q
SELENIUM	7782-49-2	0.47	0.45	MG/KG		J-	Q
SILVER	7440-22-4	0.025	0.089	MG/KG	J	J-	Q
SODIUM	7440-23-5	39.0	8.9	MG/KG			
THALLIUM	7440-28-0	0.14	0.089	MG/KG			
VANADIUM	7440-62-2	18.0	0.089	MG/KG			
ZINC	7440-66-6	63.0	0.45	MG/KG	Q	J	A

Sample Name 076SB-0096-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	6600.0	2.1	MG/KG			
ANTIMONY	7440-36-0	0.11	0.14	MG/KG	J	J-	Q

ARSENIC	7440-38-2	13.0	0.070	MG/KG		J-	Q
BARIUM	7440-39-3	29.0	0.70	MG/KG	Q	J	M
BERYLLIUM	7440-41-7	0.42	0.070	MG/KG		J-	Q
CADMIUM	7440-43-9	0.19	0.070	MG/KG	Q	J-	Q
CALCIUM	7440-70-2	700.0	7.0	MG/KG		J+	Q
CHROMIUM	7440-47-3	14.0	0.14	MG/KG		J-	Q
COBALT	7440-48-4	8.3	0.035	MG/KG	Q	J-	Q
COPPER	7440-50-8	17.0	0.14	MG/KG	Q	J-	Q
IRON	7439-89-6	26000.0	3.5	MG/KG			
LEAD	7439-92-1	14.0	0.070	MG/KG		J	E
MAGNESIUM	7439-95-4	1900.0	7.0	MG/KG			
MANGANESE	7439-96-5	510.0	0.35	MG/KG	Q	J	E
NICKEL	7440-02-0	21.0	0.070	MG/KG	Q	J-	Q
POTASSIUM	7440-09-7	810.0	7.0	MG/KG		J-	Q
SELENIUM	7782-49-2	0.32	0.35	MG/KG	J	J-	Q
SILVER	7440-22-4	0.019	0.070	MG/KG	J	J-	Q
SODIUM	7440-23-5	20.0	7.0	MG/KG			
THALLIUM	7440-28-0	0.13	0.070	MG/KG			
VANADIUM	7440-62-2	13.0	0.070	MG/KG			
ZINC	7440-66-6	62.0	0.35	MG/KG	Q	J	A

Sample Name 076SB-0102M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-21 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	7900.0	2.3	MG/KG			
ANTIMONY	7440-36-0	0.12	0.15	MG/KG	J	J-	Q
ARSENIC	7440-38-2	15.0	0.076	MG/KG		J-	Q
BARIUM	7440-39-3	34.0	0.76	MG/KG	Q	J	M
BERYLLIUM	7440-41-7	0.53	0.076	MG/KG		J-	Q
CADMIUM	7440-43-9	0.19	0.076	MG/KG	Q	J-	Q
CALCIUM	7440-70-2	680.0	7.6	MG/KG		J+	Q
CHROMIUM	7440-47-3	22.0	0.15	MG/KG		J-	Q
COBALT	7440-48-4	9.2	0.038	MG/KG	Q	J-	Q

COPPER	7440-50-8	16.0	0.15	MG/KG	Q	J-	Q
IRON	7439-89-6	27000.0	3.8	MG/KG			
LEAD	7439-92-1	15.0	0.076	MG/KG		J	E
MAGNESIUM	7439-95-4	2000.0	7.6	MG/KG			
MANGANESE	7439-96-5	430.0	0.38	MG/KG	Q	J	E
NICKEL	7440-02-0	23.0	0.076	MG/KG	Q	J-	Q
POTASSIUM	7440-09-7	840.0	7.6	MG/KG		J-	Q
SELENIUM	7782-49-2	0.29	0.38	MG/KG	J	J-	Q
SILVER	7440-22-4	0.02	0.076	MG/KG	J	J-	Q
SODIUM	7440-23-5	28.0	7.6	MG/KG			
THALLIUM	7440-28-0	0.13	0.076	MG/KG			
VANADIUM	7440-62-2	15.0	0.076	MG/KG			
ZINC	7440-66-6	75.0	0.38	MG/KG	Q	J	A

Sample Name 076SB-0114M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-33 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	7600.0	2.7	MG/KG			
ANTIMONY	7440-36-0	0.088	0.18	MG/KG	J	J-	Q
ARSENIC	7440-38-2	13.0	0.091	MG/KG		J-	Q
BARIUM	7440-39-3	36.0	0.91	MG/KG	Q	J	M
BERYLLIUM	7440-41-7	0.35	0.091	MG/KG		J-	Q
CADMIUM	7440-43-9	0.15	0.091	MG/KG		J-	Q
CALCIUM	7440-70-2	530.0	9.1	MG/KG		J+	Q
CHROMIUM	7440-47-3	12.0	0.18	MG/KG		J-	Q
COBALT	7440-48-4	8.0	0.045	MG/KG	Q	J-	Q
COPPER	7440-50-8	16.0	0.18	MG/KG	Q	J-	Q
IRON	7439-89-6	20000.0	4.5	MG/KG			
LEAD	7439-92-1	11.0	0.091	MG/KG		J	E
MAGNESIUM	7439-95-4	1900.0	9.1	MG/KG			
MANGANESE	7439-96-5	420.0	0.45	MG/KG		J	E
NICKEL	7440-02-0	17.0	0.091	MG/KG		J-	Q
POTASSIUM	7440-09-7	550.0	9.1	MG/KG		J-	Q

Sample Delivery Group: 240-18544-1

SELENIUM	7782-49-2	0.51	0.45	MG/KG	Q	J-	Q
SILVER	7440-22-4	0.019	0.091	MG/KG	J	J-	Q
SODIUM	7440-23-5	20.0	9.1	MG/KG			
THALLIUM	7440-28-0	0.12	0.091	MG/KG			
VANADIUM	7440-62-2	13.0	0.091	MG/KG			
ZINC	7440-66-6	54.0	0.45	MG/KG	Q	J	A

Analysis Method SW7471A

Sample Name 076SB-0094-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-12 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.042	0.10	MG/KG	J	J	

Sample Name 076SB-0096-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.031	0.098	MG/KG	J	J	

Sample Name 076SB-0102M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-21 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.03	0.092	MG/KG	J	J	

Sample Name 076SB-0114M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-33 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.03	0.090	MG/KG	J	J	

Sample Delivery Group: 240-18544-1

Analysis Method SW8082

Sample Name 076SB-0102M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-21 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
AROCLOR 1016	12674-11-2	25	65	UG/KG	U	U	
AROCLOR 1221	11104-28-2	25	50	UG/KG	U	U	
AROCLOR 1232	11141-16-5	25	45	UG/KG	U	U	
AROCLOR 1242	53469-21-9	25	40	UG/KG	U	U	
AROCLOR 1248	12672-29-6	25	55	UG/KG	U	U	
AROCLOR 1254	11097-69-1	25	55	UG/KG	U	U	
AROCLOR 1260	11096-82-5	25	55	UG/KG	U	U	

Sample Delivery Group: 240-18544-1

Analysis Method SW8260B

Sample Name 076SB-0094-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-12 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	1.1	5.7	UG/KG	U	UJ	S
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.57	5.7	UG/KG	U	UJ	S
1,1,2-TRICHLOROETHANE	79-00-5	0.57	5.7	UG/KG	U	UJ	S
1,1-DICHLOROETHANE	75-34-3	0.57	5.7	UG/KG	U	UJ	S
1,1-DICHLOROETHENE	75-35-4	1.1	5.7	UG/KG	U	UJ	S
1,2-DIBROMOETHANE	106-93-4	1.1	5.7	UG/KG	U	UJ	S
1,2-DICHLOROETHANE	107-06-2	0.57	5.7	UG/KG	U	UJ	S
1,2-DICHLOROPROPANE	78-87-5	1.1	5.7	UG/KG	U	UJ	S
2-HEXANONE	591-78-6	1.1	23	UG/KG	U	UJ	C, S
ACETONE	67-64-1	7.2	23	UG/KG	U	UJ	S
BENZENE	71-43-2	0.57	5.7	UG/KG	U	UJ	S
BROMOCHLOROMETHANE	74-97-5	1.1	5.7	UG/KG	U	UJ	S
BROMODICHLOROMETHANE	75-27-4	0.57	5.7	UG/KG	U	UJ	S
BROMOFORM	75-25-2	0.57	5.7	UG/KG	U	UJ	S
BROMOMETHANE	74-83-9	1.1	5.7	UG/KG	U	UJ	S
CARBON DISULFIDE	75-15-0	0.57	5.7	UG/KG	U	UJ	S
CARBON TETRACHLORIDE	56-23-5	0.57	5.7	UG/KG	U	UJ	S
CHLOROBENZENE	108-90-7	0.57	5.7	UG/KG	U	UJ	S
CHLOROETHANE	75-00-3	1.1	5.7	UG/KG	U	UJ	S
CHLOROFORM	67-66-3	0.57	5.7	UG/KG	U	UJ	S
CHLOROMETHANE	74-87-3	0.57	5.7	UG/KG	U	UJ	S
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.57	5.7	UG/KG	U	UJ	S
DIBROMOCHLOROMETHANE	124-48-1	1.1	5.7	UG/KG	U	UJ	S
ETHYLBENZENE	100-41-4	0.57	5.7	UG/KG	U	UJ	S
METHYL ETHYL KETONE	78-93-3	2.3	23	UG/KG	U	UJ	S
METHYL ISOBUTYL KETONE	108-10-1	1.1	23	UG/KG	U	UJ	C, S
METHYLENE CHLORIDE	75-09-2	1.1	5.7	UG/KG	U	UJ	S
STYRENE	100-42-5	0.57	5.7	UG/KG	U	UJ	S

TETRACHLOROETHYLENE	127-18-4	1.1	5.7	UG/KG	U	UJ	S
TOLUENE	108-88-3	1.0	5.7	UG/KG	J	J	S
TOTAL 1,2-DICHLOROETHENE	540-59-0	1.1	11	UG/KG	U	UJ	S
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.1	5.7	UG/KG	U	UJ	S
TRICHLOROETHYLENE	79-01-6	0.57	5.7	UG/KG	U	UJ	S
VINYL CHLORIDE	75-01-4	0.57	5.7	UG/KG	U	UJ	S
XYLENES, TOTAL		1.7	11	UG/KG	U	UJ	S

Sample Name 076SB-0102M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-21 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	1.1	5.6	UG/KG	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.56	5.6	UG/KG	U	U	
1,1,2-TRICHLOROETHANE	79-00-5	0.56	5.6	UG/KG	U	U	
1,1-DICHLOROETHANE	75-34-3	0.56	5.6	UG/KG	U	U	
1,1-DICHLOROETHENE	75-35-4	1.1	5.6	UG/KG	U	U	
1,2-DIBROMOETHANE	106-93-4	1.1	5.6	UG/KG	U	U	
1,2-DICHLOROETHANE	107-06-2	0.56	5.6	UG/KG	U	U	
1,2-DICHLOROPROPANE	78-87-5	1.1	5.6	UG/KG	U	U	
2-HEXANONE	591-78-6	1.1	22	UG/KG	U	UJ	C
ACETONE	67-64-1	7.0	22	UG/KG	U	U	
BENZENE	71-43-2	0.56	5.6	UG/KG	U	U	
BROMOCHLOROMETHANE	74-97-5	1.1	5.6	UG/KG	U	U	
BROMODICHLOROMETHANE	75-27-4	0.56	5.6	UG/KG	U	U	
BROMOFORM	75-25-2	0.56	5.6	UG/KG	U	U	
BROMOMETHANE	74-83-9	1.1	5.6	UG/KG	U	U	
CARBON DISULFIDE	75-15-0	0.56	5.6	UG/KG	U	U	
CARBON TETRACHLORIDE	56-23-5	0.56	5.6	UG/KG	U	U	
CHLOROBENZENE	108-90-7	0.56	5.6	UG/KG	U	U	
CHLOROETHANE	75-00-3	1.1	5.6	UG/KG	U	U	
CHLOROFORM	67-66-3	0.56	5.6	UG/KG	U	U	
CHLOROMETHANE	74-87-3	0.56	5.6	UG/KG	U	U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.56	5.6	UG/KG	U	U	

DIBROMOCHLOROMETHANE	124-48-1	1.1	5.6	UG/KG	U	U	
ETHYLBENZENE	100-41-4	0.56	5.6	UG/KG	U	U	
METHYL ETHYL KETONE	78-93-3	2.2	22	UG/KG	U	U	
METHYL ISOBUTYL KETONE	108-10-1	1.1	22	UG/KG	U	UJ	C
METHYLENE CHLORIDE	75-09-2	1.1	5.6	UG/KG	U	U	
STYRENE	100-42-5	0.56	5.6	UG/KG	U	U	
TETRACHLOROETHYLENE	127-18-4	1.1	5.6	UG/KG	U	U	
TOLUENE	108-88-3	1.7	5.6	UG/KG	J	J	
TOTAL 1,2-DICHLOROETHENE	540-59-0	1.1	11	UG/KG	U	U	
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.1	5.6	UG/KG	U	U	
TRICHLOROETHYLENE	79-01-6	0.56	5.6	UG/KG	U	U	
VINYL CHLORIDE	75-01-4	0.56	5.6	UG/KG	U	U	
XYLENES, TOTAL		1.7	11	UG/KG	U	U	

Sample Name 076SB-0114M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-33 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	0.96	4.8	UG/KG	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.48	4.8	UG/KG	U	U	
1,1,2-TRICHLOROETHANE	79-00-5	0.48	4.8	UG/KG	U	U	
1,1-DICHLOROETHANE	75-34-3	0.48	4.8	UG/KG	U	U	
1,1-DICHLOROETHENE	75-35-4	0.96	4.8	UG/KG	U	U	
1,2-DIBROMOETHANE	106-93-4	0.96	4.8	UG/KG	U	U	
1,2-DICHLOROETHANE	107-06-2	0.48	4.8	UG/KG	U	U	
1,2-DICHLOROPROPANE	78-87-5	0.96	4.8	UG/KG	U	U	
2-HEXANONE	591-78-6	0.96	19	UG/KG	U	U	
ACETONE	67-64-1	6.0	19	UG/KG	U	U	
BENZENE	71-43-2	0.48	4.8	UG/KG	U	U	
BROMOCHLOROMETHANE	74-97-5	0.96	4.8	UG/KG	U	U	
BROMODICHLOROMETHANE	75-27-4	0.48	4.8	UG/KG	U	U	
BROMOFORM	75-25-2	0.48	4.8	UG/KG	U	U	
BROMOMETHANE	74-83-9	0.96	4.8	UG/KG	U	U	
CARBON DISULFIDE	75-15-0	0.48	4.8	UG/KG	U	U	

Sample Delivery Group: 240-18544-1

CARBON TETRACHLORIDE	56-23-5	0.48	4.8	UG/KG	U	U
CHLOROBENZENE	108-90-7	0.48	4.8	UG/KG	U	U
CHLOROETHANE	75-00-3	0.96	4.8	UG/KG	U	U
CHLOROFORM	67-66-3	0.48	4.8	UG/KG	U	U
CHLOROMETHANE	74-87-3	0.48	4.8	UG/KG	U	U
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.48	4.8	UG/KG	U	U
DIBROMOCHLOROMETHANE	124-48-1	0.96	4.8	UG/KG	U	U
ETHYLBENZENE	100-41-4	0.48	4.8	UG/KG	U	U
METHYL ETHYL KETONE	78-93-3	1.9	19	UG/KG	U	U
METHYL ISOBUTYL KETONE	108-10-1	0.96	19	UG/KG	U	U
METHYLENE CHLORIDE	75-09-2	0.96	4.8	UG/KG	U	U
STYRENE	100-42-5	0.48	4.8	UG/KG	U	U
TETRACHLOROETHYLENE	127-18-4	0.96	4.8	UG/KG	U	U
TOLUENE	108-88-3	0.52	4.8	UG/KG	J	J
TOTAL 1,2-DICHLOROETHENE	540-59-0	0.96	9.6	UG/KG	U	U
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.96	4.8	UG/KG	U	U
TRICHLOROETHYLENE	79-01-6	0.48	4.8	UG/KG	U	U
VINYL CHLORIDE	75-01-4	0.48	4.8	UG/KG	U	U
XYLENES, TOTAL		1.4	9.6	UG/KG	U	U

Sample Delivery Group: 240-18544-1

Analysis Method SW8270D

Sample Name 076SB-0094-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-12 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	50	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	50	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	50	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	50	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	79	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	79	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	79	330	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	50	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	50	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	3.3	6.6	UG/KG	U	U	
2-METHYLPHENOL (O-CRESOL)	95-48-7	79	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	50	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	79	99	UG/KG	U	U	
3-NITROANILINE	99-09-2	79	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	79	150	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	50	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	50	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	79	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.6	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.3	6.6	UG/KG	U	U	

Sample Delivery Group: 240-18544-1

ANTHRACENE	120-12-7	3.3	6.6	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.3	6.6	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	3.3	6.6	UG/KG	U	U	
BENZO(B)FLUORANTHENE	205-99-2	3.3	6.6	UG/KG	U	U	
BENZO(G,H,I)PERYLENE	191-24-2	3.3	6.6	UG/KG	U	U	
BENZO(K)FLUORANTHENE	207-08-9	3.3	6.6	UG/KG	U	U	
BENZOIC ACID	65-85-0	330	650	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	50	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	99	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	99	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	99	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	27.0	50	UG/KG	J B	U	B
CARBAZOLE	86-74-8	27	50	UG/KG	U	U	
CHRYSENE	218-01-9	3.3	6.6	UG/KG	U	U	
CRESOLS, M & P		79	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.6	UG/KG	U	U	
DIBENZOFURAN	132-64-9	3.3	50	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	27	50	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	50	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	50	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	27	50	UG/KG	U	U	
FLUORANTHENE	206-44-0	3.3	6.6	UG/KG	U	U	
FLUORENE	86-73-7	3.3	6.6	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.3	6.6	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	50	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	50	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.3	6.6	UG/KG	U	U	
ISOPHORONE	78-59-1	27	50	UG/KG	U	U	
NAPHTHALENE	91-20-3	3.3	6.6	UG/KG	U	U	
NITROBENZENE	98-95-3	3.3	99	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	50	UG/KG	U	U	

N-NITROSODIPHENYLAMINE	86-30-6	27	50	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	79	150	UG/KG	U	U
PHENANTHRENE	85-01-8	3.3	6.6	UG/KG	U	U
PHENOL	108-95-2	27	50	UG/KG	U	U
PYRENE	129-00-0	3.3	6.6	UG/KG	U	U

Sample Name 076SB-0096-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	50	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	50	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	50	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	50	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	80	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	80	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	80	330	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	50	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	50	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	3.3	6.7	UG/KG	U	U	
2-METHYLPHENOL (O-CRESOL)	95-48-7	80	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	50	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	80	100	UG/KG	U	U	
3-NITROANILINE	99-09-2	80	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	80	150	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	50	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	50	UG/KG	U	U	

4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	80	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.7	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.3	6.7	UG/KG	U	U	
ANTHRACENE	120-12-7	3.3	6.7	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.3	6.7	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	3.3	6.7	UG/KG	U	U	
BENZO(B)FLUORANTHENE	205-99-2	3.3	6.7	UG/KG	U	U	
BENZO(G,H,I)PERYLENE	191-24-2	3.3	6.7	UG/KG	U	U	
BENZO(K)FLUORANTHENE	207-08-9	3.3	6.7	UG/KG	U	U	
BENZOIC ACID	65-85-0	330	660	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	50	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	100	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	100	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	100	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	27.0	50	UG/KG	J B	U	B
CARBAZOLE	86-74-8	27	50	UG/KG	U	U	
CHRYSENE	218-01-9	3.3	6.7	UG/KG	U	U	
CRESOLS, M & P		80	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.7	UG/KG	U	U	
DIBENZOFURAN	132-64-9	3.3	50	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	27	50	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	50	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	50	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	27	50	UG/KG	U	U	
FLUORANTHENE	206-44-0	3.3	6.7	UG/KG	U	U	
FLUORENE	86-73-7	3.3	6.7	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.3	6.7	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	50	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	50	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.3	6.7	UG/KG	U	U	

ISOPHORONE	78-59-1	27	50	UG/KG	U	U
NAPHTHALENE	91-20-3	3.3	6.7	UG/KG	U	U
NITROBENZENE	98-95-3	3.3	100	UG/KG	U	U
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	50	UG/KG	U	U
N-NITROSODIPHENYLAMINE	86-30-6	27	50	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	80	150	UG/KG	U	U
PHENANTHRENE	85-01-8	3.3	6.7	UG/KG	U	U
PHENOL	108-95-2	27	50	UG/KG	U	U
PYRENE	129-00-0	3.3	6.7	UG/KG	U	U

Sample Name 076SB-0102M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-21 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	50	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	50	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	50	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	50	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	81	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	81	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	81	330	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	50	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	50	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	4.9	6.7	UG/KG	J	J	
2-METHYLPHENOL (O-CRESOL)	95-48-7	81	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	50	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	81	100	UG/KG	U	U	
3-NITROANILINE	99-09-2	81	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	81	150	UG/KG	U	U	

Sample Delivery Group: 240-18544-1

4-BROMOPHENYL PHENYL ETHE	101-55-3	27	50	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	50	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	81	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.7	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.3	6.7	UG/KG	U	U	
ANTHRACENE	120-12-7	3.3	6.7	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.3	6.7	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	3.3	6.7	UG/KG	U	U	
BENZO(B)FLUORANTHENE	205-99-2	3.3	6.7	UG/KG	U	U	
BENZO(G,H,I)PERYLENE	191-24-2	3.3	6.7	UG/KG	U	U	
BENZO(K)FLUORANTHENE	207-08-9	3.3	6.7	UG/KG	U	U	
BENZOIC ACID	65-85-0	340	670	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	50	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	100	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	100	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	100	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	27.0	50	UG/KG	J	U	B
CARBAZOLE	86-74-8	27	50	UG/KG	U	U	
CHRYSENE	218-01-9	3.3	6.7	UG/KG	U	U	
CRESOLS, M & P		81	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.7	UG/KG	U	U	
DIBENZOFURAN	132-64-9	3.3	50	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	27	50	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	50	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	50	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	27	50	UG/KG	U	U	
FLUORANTHENE	206-44-0	3.3	6.7	UG/KG	U	U	
FLUORENE	86-73-7	3.3	6.7	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.3	6.7	UG/KG	U	U	

HEXACHLOROBUTADIENE	87-68-3	27	50	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	50	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.3	6.7	UG/KG	U	U	
ISOPHORONE	78-59-1	27	50	UG/KG	U	U	
NAPHTHALENE	91-20-3	4.8	6.7	UG/KG	J	J	
NITROBENZENE	98-95-3	3.3	100	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	50	UG/KG	U	U	
N-NITROSODIPHENYLAMINE	86-30-6	27	50	UG/KG	U	R	C
PENTACHLOROPHENOL	87-86-5	81	150	UG/KG	U	U	
PHENANTHRENE	85-01-8	3.3	6.7	UG/KG	U	U	
PHENOL	108-95-2	27	50	UG/KG	U	U	
PYRENE	129-00-0	3.3	6.7	UG/KG	U	U	

Sample Name 076SB-0114M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-33 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	50	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	50	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	50	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	50	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	81	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	81	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	81	330	UG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	50	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	50	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	8.3	6.7	UG/KG			
2-METHYLPHENOL (O-CRESOL)	95-48-7	81	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	

2-NITROPHENOL	88-75-5	27	50	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	81	100	UG/KG	U	U	
3-NITROANILINE	99-09-2	81	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	81	150	UG/KG	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	50	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	50	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	81	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.7	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.3	6.7	UG/KG	U	U	
ANTHRACENE	120-12-7	4.5	6.7	UG/KG	J	J	
BENZO(A)ANTHRACENE	56-55-3	23.0	6.7	UG/KG			
BENZO(A)PYRENE	50-32-8	23.0	6.7	UG/KG			
BENZO(B)FLUORANTHENE	205-99-2	35.0	6.7	UG/KG			
BENZO(G,H,I)PERYLENE	191-24-2	17.0	6.7	UG/KG			
BENZO(K)FLUORANTHENE	207-08-9	8.6	6.7	UG/KG	M		
BENZOIC ACID	65-85-0	340	660	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	50	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	100	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	100	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	100	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	27.0	50	UG/KG	J	U	B
CARBAZOLE	86-74-8	27	50	UG/KG	U	U	
CHRYSENE	218-01-9	28.0	6.7	UG/KG			
CRESOLS, M & P		81	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.7	UG/KG	U	U	
DIBENZOFURAN	132-64-9	4.2	50	UG/KG	J	J	
DIETHYL PHTHALATE	84-66-2	27	50	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	50	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	50	UG/KG	U	U	

Sample Delivery Group: 240-18544-1

DI-N-OCTYLPHTHALATE	117-84-0	27	50	UG/KG	U	U	
FLUORANTHENE	206-44-0	53.0	6.7	UG/KG			
FLUORENE	86-73-7	3.3	6.7	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.3	6.7	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	50	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	50	UG/KG	U	U	
INDENO(1,2,3-C,D)PYRENE	193-39-5	14.0	6.7	UG/KG			
ISOPHORONE	78-59-1	27	50	UG/KG	U	U	
NAPHTHALENE	91-20-3	8.3	6.7	UG/KG			
NITROBENZENE	98-95-3	3.3	100	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	50	UG/KG	U	U	
N-NITROSODIPHENYLAMINE	86-30-6	27	50	UG/KG	U	R	C
PENTACHLOROPHENOL	87-86-5	81	150	UG/KG	U	U	
PHENANTHRENE	85-01-8	34.0	6.7	UG/KG			
PHENOL	108-95-2	27	50	UG/KG	U	U	
PYRENE	129-00-0	44.0	6.7	UG/KG			

Sample Delivery Group: 240-18544-1

Analysis Method SW8330

Sample Name 076SB-0102M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-21 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-TRINITROBENZENE	99-35-4	0.050	0.25	MG/KG	U	U	
1,3-DINITROBENZENE	99-65-0	0.050	0.25	MG/KG	U	U	
2,4,6-TRINITROTOLUENE	118-96-7	0.050	0.25	MG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	0.050	0.25	MG/KG	U	R	D
2,6-DINITROTOLUENE	606-20-2	0.050	0.25	MG/KG	U	R	D
2-AMINO-4,6-DINITROTOLUENE	35572-78-2	0.050	0.25	MG/KG	U	U	
2-NITROTOLUENE	88-72-2	0.050	0.25	MG/KG	U	UJ	C
3-NITROTOLUENE	99-08-1	0.050	0.25	MG/KG	U	U	
4-AMINO-2,6-DINITROTOLUENE	19406-51-0	0.050	0.25	MG/KG	U	U	
4-NITROTOLUENE	99-99-0	0.050	0.25	MG/KG	U	U	
HMX	2691-41-0	0.050	0.25	MG/KG	U	U	
NITROBENZENE	98-95-3	0.050	0.25	MG/KG	U	R	D
NITROGLYCERIN	55-63-0	0.25	0.50	MG/KG	U	U	
NITROGUANIDINE	556-88-7	0.039	0.24	MG/KG	U	U	
PETN	78-11-5	0.25	0.50	MG/KG	U	U	
RDX	121-82-4	0.050	0.25	MG/KG	U	UJ	C
TETRYL	479-45-8	0.050	0.25	MG/KG	U J	U	

Sample Name 076SB-0114M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-18544-33 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-TRINITROBENZENE	99-35-4	0.050	0.25	MG/KG	U	U	
1,3-DINITROBENZENE	99-65-0	0.050	0.25	MG/KG	U	U	
2,4,6-TRINITROTOLUENE	118-96-7	0.050	0.25	MG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	0.050	0.25	MG/KG	U	R	D
2,6-DINITROTOLUENE	606-20-2	0.050	0.25	MG/KG	U	R	D
2-AMINO-4,6-DINITROTOLUENE	35572-78-2	0.050	0.25	MG/KG	U	U	
2-NITROTOLUENE	88-72-2	0.050	0.25	MG/KG	U	UJ	C

Sample Delivery Group: 240-18544-1

3-NITROTOLUENE	99-08-1	0.050	0.25	MG/KG	U	U	
4-AMINO-2,6-DINITROTOLUENE	19406-51-0	0.050	0.25	MG/KG	U	U	
4-NITROTOLUENE	99-99-0	0.050	0.25	MG/KG	U	U	
HMX	2691-41-0	0.050	0.25	MG/KG	U	U	
NITROBENZENE	98-95-3	0.050	0.25	MG/KG	U	R	D
NITROGLYCERIN	55-63-0	0.25	0.50	MG/KG	U	U	
PETN	78-11-5	0.25	0.50	MG/KG	U	U	
RDX	121-82-4	0.050	0.25	MG/KG	U	UJ	C
TETRYL	479-45-8	0.050	0.25	MG/KG	U	U	

Validated Sample Result Forms for Sampling : Ravenna Army Ammunition Plant Ravenna, Ohio
Remediation Investigation Compliance Restoration Site: RVAAP-78 Quarry Pond Surface Dump

Sample Delivery Group: 240-22559-1_78_SB

Analysis Method E353.2

Sample Name 078SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
NITROCELLULOSE	9004-70-0	1.8	4.9	MG/KG	U	U	

Sample Delivery Group: 240-22559-1_78_SB

Analysis Method SW6020

Sample Name 078SB-0008M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-8 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	3400	3	MG/KG			
ANTIMONY	7440-36-0	0.097	0.2	MG/KG	J	J-	Q
ARSENIC	7440-38-2	4.7	0.1	MG/KG		J-	Q
BARIUM	7440-39-3	30	1	MG/KG	Q		
BERYLLIUM	7440-41-7	0.2	0.1	MG/KG			
CADMIUM	7440-43-9	0.1	0.1	MG/KG			
CALCIUM	7440-70-2	410	10	MG/KG			
CHROMIUM	7440-47-3	5.7	0.2	MG/KG			
COBALT	7440-48-4	4	0.05	MG/KG	Q		
COPPER	7440-50-8	8.9	0.2	MG/KG	Q		
IRON	7439-89-6	12000	5	MG/KG			
LEAD	7439-92-1	9.5	0.1	MG/KG	Q		
MAGNESIUM	7439-95-4	740	10	MG/KG			
MANGANESE	7439-96-5	280	0.5	MG/KG	Q	J+	Q
NICKEL	7440-02-0	8.1	0.1	MG/KG			
POTASSIUM	7440-09-7	480	10	MG/KG			
SELENIUM	7782-49-2	0.12	0.5	MG/KG	J	J-	Q
SILVER	7440-22-4	0.015	0.1	MG/KG	J	J	
SODIUM	7440-23-5	21	10	MG/KG			
THALLIUM	7440-28-0	0.074	0.1	MG/KG	J	J	
VANADIUM	7440-62-2	6.8	0.1	MG/KG			
ZINC	7440-66-6	29	0.5	MG/KG	Q		

Sample Name 078SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	1200	2.7	MG/KG			
ANTIMONY	7440-36-0	0.31	0.18	MG/KG		J-	Q

Sample Delivery Group: 240-22559-1_78_SB

ARSENIC	7440-38-2	0.94	0.09	MG/KG		J-	Q
BARIUM	7440-39-3	11	0.9	MG/KG	Q		
BERYLLIUM	7440-41-7	0.18	0.09	MG/KG			
CADMIUM	7440-43-9	0.079	0.09	MG/KG	J	J	
CALCIUM	7440-70-2	200	9	MG/KG			
CHROMIUM	7440-47-3	2.9	0.18	MG/KG			
COBALT	7440-48-4	2.3	0.045	MG/KG	Q		
COPPER	7440-50-8	4.6	0.18	MG/KG	Q		
IRON	7439-89-6	6600	4.5	MG/KG			
LEAD	7439-92-1	7	0.09	MG/KG	Q		
MAGNESIUM	7439-95-4	300	9	MG/KG			
MANGANESE	7439-96-5	160	0.45	MG/KG	Q	J+	Q
NICKEL	7440-02-0	4.9	0.09	MG/KG			
POTASSIUM	7440-09-7	340	9	MG/KG			
SELENIUM	7782-49-2	0.09	0.45	MG/KG	U	UJ	Q
SILVER	7440-22-4	0.021	0.09	MG/KG	J	J	
SODIUM	7440-23-5	16	9	MG/KG			
THALLIUM	7440-28-0	0.035	0.09	MG/KG	J	J	
VANADIUM	7440-62-2	2.8	0.09	MG/KG			
ZINC	7440-66-6	20	0.45	MG/KG	Q		

Analysis Method SW7471A

Sample Name 078SB-0008M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-8 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.053	0.1	MG/KG	J	J	

Sample Name 078SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.039	0.12	MG/KG	U	U	

Sample Delivery Group: 240-22559-1_78_SB

Analysis Method SW8081

Sample Name 078SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALDRIN	309-00-2	1.3	4	UG/KG	U	U	
ALPHA BHC	319-84-6	1.3	2.5	UG/KG	U	U	
ALPHA ENDOSULFAN	959-98-8	0.67	1.7	UG/KG	U	U	
ALPHA-CHLORDANE	5103-71-9	1.3	3	UG/KG	U	U	
BETA BHC	319-85-7	1.3	3.5	UG/KG	U	U	
BETA ENDOSULFAN	33213-65-9	1.3	2.5	UG/KG	U	U	
DELTA BHC	319-86-8	1.3	4	UG/KG	U	U	
DIELDRIN	60-57-1	0.67	1.7	UG/KG	U	U	
ENDOSULFAN SULFATE	1031-07-8	1.3	3	UG/KG	U	U	
ENDRIN	72-20-8	0.67	1.7	UG/KG	U	U	
ENDRIN ALDEHYDE	7421-93-4	1.3	3	UG/KG	U	U	
ENDRIN KETONE	53494-70-5	0.67	2	UG/KG	U	U	
GAMMA BHC (LINDANE)	58-89-9	1.3	2.5	UG/KG	U	U	
GAMMA-CHLORDANE	5566-34-7	0.67	1.7	UG/KG	U	U	
HEPTACHLOR	76-44-8	1.3	3.5	UG/KG	U	U	
HEPTACHLOR EPOXIDE	1024-57-3	1.3	2.5	UG/KG	U	U	
METHOXYCHLOR	72-43-5	3.3	5	UG/KG	U	U	
P,P'-DDD	72-54-8	0.67	2	UG/KG	U	UJ	C
P,P'-DDE	72-55-9	0.67	1.7	UG/KG	U	U	
P,P'-DDT	50-29-3	1.7	2	UG/KG	J	J	
TOXAPHENE	8001-35-2	20	67	UG/KG	U	UJ	C

Sample Delivery Group: 240-22559-1_78_SB

Analysis Method SW8082

Sample Name 078SB-0008M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-8 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	25	65	UG/KG	U	U	
PCB-1221	11104-28-2	25	50	UG/KG	U	UJ	C
PCB-1232	11141-16-5	25	45	UG/KG	U	U	
PCB-1242	53469-21-9	25	40	UG/KG	U	U	
PCB-1248	12672-29-6	25	55	UG/KG	U	U	
PCB-1254	11097-69-1	25	55	UG/KG	U	U	
PCB-1260	11096-82-5	25	55	UG/KG	U	U	

Sample Name 078SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	25	65	UG/KG	U	U	
PCB-1221	11104-28-2	25	50	UG/KG	U	U	
PCB-1232	11141-16-5	25	45	UG/KG	U	U	
PCB-1242	53469-21-9	25	40	UG/KG	U	U	
PCB-1248	12672-29-6	25	55	UG/KG	U	U	
PCB-1254	11097-69-1	25	55	UG/KG	U	U	
PCB-1260	11096-82-5	25	55	UG/KG	U	U	

Sample Delivery Group: 240-22559-1_78_SB

Analysis Method SW8260B

Sample Name 078SB-0008M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-8 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	1.1	5.5	UG/KG	U	UJ	S
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.55	5.5	UG/KG	U	UJ	S
1,1,2-TRICHLOROETHANE	79-00-5	0.55	5.5	UG/KG	U	UJ	S
1,1-DICHLOROETHANE	75-34-3	0.55	5.5	UG/KG	U	UJ	S
1,1-DICHLOROETHENE	75-35-4	1.1	5.5	UG/KG	U	UJ	S
1,2-DIBROMOETHANE	106-93-4	1.1	5.5	UG/KG	U	UJ	S
1,2-DICHLOROETHANE	107-06-2	0.55	5.5	UG/KG	U	UJ	S
1,2-DICHLOROPROPANE	78-87-5	1.1	5.5	UG/KG	U	UJ	S
2-HEXANONE	591-78-6	1.1	22	UG/KG	U	UJ	S
ACETONE	67-64-1	7	22	UG/KG	U	UJ	S
BENZENE	71-43-2	0.55	5.5	UG/KG	U	UJ	S
BROMOCHLOROMETHANE	74-97-5	1.1	5.5	UG/KG	U	UJ	S
BROMODICHLOROMETHANE	75-27-4	0.55	5.5	UG/KG	U	UJ	S
BROMOFORM	75-25-2	0.55	5.5	UG/KG	U	UJ	S
BROMOMETHANE	74-83-9	1.1	5.5	UG/KG	U	UJ	S
CARBON DISULFIDE	75-15-0	0.55	5.5	UG/KG	U	UJ	S
CARBON TETRACHLORIDE	56-23-5	0.55	5.5	UG/KG	U	UJ	S
CHLOROBENZENE	108-90-7	0.55	5.5	UG/KG	U	UJ	S
CHLOROETHANE	75-00-3	1.1	5.5	UG/KG	U	UJ	S
CHLOROFORM	67-66-3	0.55	5.5	UG/KG	U	UJ	S
CHLOROMETHANE	74-87-3	0.55	5.5	UG/KG	U	UJ	S
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.55	5.5	UG/KG	U	UJ	S
DIBROMOCHLOROMETHANE	124-48-1	1.1	5.5	UG/KG	U	UJ	S
ETHYLBENZENE	100-41-4	0.55	5.5	UG/KG	U	UJ	S
METHYL ETHYL KETONE	78-93-3	2.2	22	UG/KG	U	UJ	S
METHYL ISOBUTYL KETONE	108-10-1	1.1	22	UG/KG	U	UJ	S
METHYLENE CHLORIDE	75-09-2	2	5.5	UG/KG	J B	UJ	B, S
STYRENE	100-42-5	0.55	5.5	UG/KG	U	UJ	S

TETRACHLOROETHYLENE	127-18-4	1.1	5.5	UG/KG	U	UJ	S
TOLUENE	108-88-3	0.3	5.5	UG/KG	J	J	S
TOTAL 1,2-DICHLOROETHENE	540-59-0	1.1	11	UG/KG	U	UJ	S
TRANS-1,3-DICHLOROPROPENE	10061-02-6	1.1	5.5	UG/KG	U	UJ	S
TRICHLOROETHYLENE	79-01-6	0.55	5.5	UG/KG	U	UJ	S
VINYL CHLORIDE	75-01-4	0.55	5.5	UG/KG	U	UJ	S
XYLENES, TOTAL		1.7	11	UG/KG	U	UJ	S

Sample Name 078SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	0.95	4.8	UG/KG	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.48	4.8	UG/KG	U	U	
1,1,2-TRICHLOROETHANE	79-00-5	0.48	4.8	UG/KG	U	U	
1,1-DICHLOROETHANE	75-34-3	0.48	4.8	UG/KG	U	U	
1,1-DICHLOROETHENE	75-35-4	0.95	4.8	UG/KG	U	U	
1,2-DIBROMOETHANE	106-93-4	0.95	4.8	UG/KG	U	U	
1,2-DICHLOROETHANE	107-06-2	0.48	4.8	UG/KG	U	U	
1,2-DICHLOROPROPANE	78-87-5	0.95	4.8	UG/KG	U	U	
2-HEXANONE	591-78-6	0.95	19	UG/KG	U	U	
ACETONE	67-64-1	6	19	UG/KG	U	U	
BENZENE	71-43-2	0.48	4.8	UG/KG	U	U	
BROMOCHLOROMETHANE	74-97-5	0.95	4.8	UG/KG	U	U	
BROMODICHLOROMETHANE	75-27-4	0.48	4.8	UG/KG	U	U	
BROMOFORM	75-25-2	0.48	4.8	UG/KG	U	U	
BROMOMETHANE	74-83-9	0.95	4.8	UG/KG	U	U	
CARBON DISULFIDE	75-15-0	0.48	4.8	UG/KG	U	U	
CARBON TETRACHLORIDE	56-23-5	0.48	4.8	UG/KG	U	U	
CHLOROBENZENE	108-90-7	0.48	4.8	UG/KG	U	U	
CHLOROETHANE	75-00-3	0.95	4.8	UG/KG	U	U	
CHLOROFORM	67-66-3	0.48	4.8	UG/KG	U	U	
CHLOROMETHANE	74-87-3	0.48	4.8	UG/KG	U	U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.48	4.8	UG/KG	U	U	

Sample Delivery Group: 240-22559-1_78_SB

DIBROMOCHLOROMETHANE	124-48-1	0.95	4.8	UG/KG	U	U	
ETHYLBENZENE	100-41-4	0.48	4.8	UG/KG	U	U	
METHYL ETHYL KETONE	78-93-3	1.9	19	UG/KG	U	U	
METHYL ISOBUTYL KETONE	108-10-1	0.95	19	UG/KG	U	U	
METHYLENE CHLORIDE	75-09-2	1.4	4.8	UG/KG	J B	U	B
STYRENE	100-42-5	0.48	4.8	UG/KG	U	U	
TETRACHLOROETHYLENE	127-18-4	0.95	4.8	UG/KG	U	U	
TOLUENE	108-88-3	0.48	4.8	UG/KG	U	U	
TOTAL 1,2-DICHLOROETHENE	540-59-0	0.95	9.5	UG/KG	U	U	
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.95	4.8	UG/KG	U	U	
TRICHLOROETHYLENE	79-01-6	0.48	4.8	UG/KG	U	U	
VINYL CHLORIDE	75-01-4	0.48	4.8	UG/KG	U	U	
XYLENES, TOTAL		1.4	9.5	UG/KG	U	U	

Sample Delivery Group: 240-22559-1_78_SB

Analysis Method SW8270C

Sample Name 078SB-0008M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-8 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	50	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	50	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	50	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	50	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	79	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	79	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	79	330	UG/KG	U	UJ	C
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	50	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	50	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	3.7	6.6	UG/KG	J	J	
2-METHYLPHENOL (O-CRESOL)	95-48-7	79	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	50	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	79	99	UG/KG	U	U	
3-NITROANILINE	99-09-2	79	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	79	150	UG/KG	U	UJ	C
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	50	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	50	UG/KG	U	U	
4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	79	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.6	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.3	6.6	UG/KG	U	U	

Sample Delivery Group: 240-22559-1_78_SB

ANTHRACENE	120-12-7	3.3	6.6	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.3	6.6	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	3.3	6.6	UG/KG	U	U	
BENZO(B)FLUORANTHENE	205-99-2	3.3	6.6	UG/KG	U	U	
BENZO(G,H,I)PERYLENE	191-24-2	3.3	6.6	UG/KG	U	UJ	C
BENZO(K)FLUORANTHENE	207-08-9	3.3	6.6	UG/KG	U	U	
BENZOIC ACID	65-85-0	330	660	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	50	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	99	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	99	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	99	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	54	50	UG/KG			
CARBAZOLE	86-74-8	27	50	UG/KG	U	U	
CHRYSENE	218-01-9	3.3	6.6	UG/KG	U	U	
CRESOLS, M & P		79	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.6	UG/KG	U	U	
DIBENZOFURAN	132-64-9	3.3	50	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	27	50	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	50	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	50	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	27	50	UG/KG	U	U	
FLUORANTHENE	206-44-0	3.3	6.6	UG/KG	U	U	
FLUORENE	86-73-7	3.3	6.6	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.3	6.6	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	50	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	50	UG/KG	U	UJ	C
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.3	6.6	UG/KG	U	U	
ISOPHORONE	78-59-1	27	50	UG/KG	U	U	
NAPHTHALENE	91-20-3	3.9	6.6	UG/KG	J	J	
NITROBENZENE	98-95-3	3.3	99	UG/KG	U	U	
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	50	UG/KG	U	U	

N-NITROSODIPHENYLAMINE	86-30-6	27	50	UG/KG	U	U	
PENTACHLOROPHENOL	87-86-5	79	150	UG/KG	U	U	
PHENANTHRENE	85-01-8	3.3	6.6	UG/KG	U	U	
PHENOL	108-95-2	27	50	UG/KG	U	U	
PYRENE	129-00-0	3.3	6.6	UG/KG	U	U	

Sample Name 078SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	27	50	UG/KG	U	U	
1,2-DICHLOROBENZENE	95-50-1	27	50	UG/KG	U	U	
1,3-DICHLOROBENZENE	541-73-1	27	50	UG/KG	U	U	
1,4-DICHLOROBENZENE	106-46-7	27	50	UG/KG	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	27	150	UG/KG	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	80	150	UG/KG	U	U	
2,4-DICHLOROPHENOL	120-83-2	27	150	UG/KG	U	U	
2,4-DIMETHYLPHENOL	105-67-9	80	150	UG/KG	U	U	
2,4-DINITROPHENOL	51-28-5	80	330	UG/KG	U	UJ	C
2,4-DINITROTOLUENE	121-14-2	27	200	UG/KG	U	U	
2,6-DINITROTOLUENE	606-20-2	27	200	UG/KG	U	U	
2-CHLORONAPHTHALENE	91-58-7	3.3	50	UG/KG	U	U	
2-CHLOROPHENOL	95-57-8	27	50	UG/KG	U	U	
2-METHYLNAPHTHALENE	91-57-6	11	6.6	UG/KG			
2-METHYLPHENOL (O-CRESOL)	95-48-7	80	200	UG/KG	U	U	
2-NITROANILINE	88-74-4	27	200	UG/KG	U	U	
2-NITROPHENOL	88-75-5	27	50	UG/KG	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	80	100	UG/KG	U	U	
3-NITROANILINE	99-09-2	80	200	UG/KG	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	80	150	UG/KG	U	UJ	C
4-BROMOPHENYL PHENYL ETHE	101-55-3	27	50	UG/KG	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	27	150	UG/KG	U	U	
4-CHLOROANILINE	106-47-8	27	150	UG/KG	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	27	50	UG/KG	U	U	

Sample Delivery Group: 240-22559-1_78_SB

4-NITROANILINE	100-01-6	27	200	UG/KG	U	U	
4-NITROPHENOL	100-02-7	80	330	UG/KG	U	U	
ACENAPHTHENE	83-32-9	3.3	6.6	UG/KG	U	U	
ACENAPHTHYLENE	208-96-8	3.3	6.6	UG/KG	U	U	
ANTHRACENE	120-12-7	3.3	6.6	UG/KG	U	U	
BENZO(A)ANTHRACENE	56-55-3	3.3	6.6	UG/KG	U	U	
BENZO(A)PYRENE	50-32-8	7.5	6.6	UG/KG			
BENZO(B)FLUORANTHENE	205-99-2	19	6.6	UG/KG	M		
BENZO(G,H,I)PERYLENE	191-24-2	7.6	6.6	UG/KG		J	C
BENZO(K)FLUORANTHENE	207-08-9	3.3	6.6	UG/KG	U	U	
BENZOIC ACID	65-85-0	330	660	UG/KG	U	U	
BENZYL ALCOHOL	100-51-6	27	330	UG/KG	U	U	
BENZYL BUTYL PHTHALATE	85-68-7	27	50	UG/KG	U	U	
BIS(2-CHLOROETHOXY) METHA	111-91-1	27	100	UG/KG	U	U	
BIS(2-CHLOROETHYL) ETHER	111-44-4	3.3	100	UG/KG	U	U	
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	27	100	UG/KG	U	U	
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	55	50	UG/KG			
CARBAZOLE	86-74-8	27	50	UG/KG	U	U	
CHRYSENE	218-01-9	3.3	6.6	UG/KG	U	U	
CRESOLS, M & P		80	400	UG/KG	U	U	
DIBENZ(A,H)ANTHRACENE	53-70-3	3.3	6.6	UG/KG	U	U	
DIBENZOFURAN	132-64-9	3.3	50	UG/KG	U	U	
DIETHYL PHTHALATE	84-66-2	27	50	UG/KG	U	U	
DIMETHYL PHTHALATE	131-11-3	27	50	UG/KG	U	U	
DI-N-BUTYL PHTHALATE	84-74-2	27	50	UG/KG	U	U	
DI-N-OCTYLPHTHALATE	117-84-0	27	50	UG/KG	U	U	
FLUORANTHENE	206-44-0	16	6.6	UG/KG			
FLUORENE	86-73-7	3.3	6.6	UG/KG	U	U	
HEXACHLOROBENZENE	118-74-1	3.3	6.6	UG/KG	U	U	
HEXACHLOROBUTADIENE	87-68-3	27	50	UG/KG	U	U	
HEXACHLOROCYCLOPENTADIE	77-47-4	27	330	UG/KG	U	U	
HEXACHLOROETHANE	67-72-1	27	50	UG/KG	U	UJ	C
INDENO(1,2,3-C,D)PYRENE	193-39-5	3.3	6.6	UG/KG	U	U	

Sample Delivery Group: 240-22559-1_78_SB

ISOPHORONE	78-59-1	27	50	UG/KG	U	U
NAPHTHALENE	91-20-3	5.9	6.6	UG/KG	J	J
NITROBENZENE	98-95-3	3.3	100	UG/KG	U	U
N-NITROSODI-N-PROPYLAMINE	621-64-7	27	50	UG/KG	U	U
N-NITROSODIPHENYLAMINE	86-30-6	27	50	UG/KG	U	U
PENTACHLOROPHENOL	87-86-5	80	150	UG/KG	U	U
PHENANTHRENE	85-01-8	34	6.6	UG/KG		
PHENOL	108-95-2	27	50	UG/KG	U	U
PYRENE	129-00-0	16	6.6	UG/KG		

Analysis Method SW8330B

Sample Name 078SB-0016M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22559-14 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-TRINITROBENZENE	99-35-4	0.05	0.25	MG/KG	U	U	
1,3-DINITROBENZENE	99-65-0	0.05	0.25	MG/KG	U	U	
2,4,6-TRINITROTOLUENE	118-96-7	0.05	0.25	MG/KG	U	U	
2,4-DINITROTOLUENE	121-14-2	0.05	0.25	MG/KG	U	R	D
2,6-DINITROTOLUENE	606-20-2	0.05	0.25	MG/KG	U	R	D
2-AMINO-4,6-DINITROTOLUENE	35572-78-2	0.05	0.25	MG/KG	U	U	
2-NITROTOLUENE	88-72-2	0.05	0.25	MG/KG	U	U	
3-NITROTOLUENE	99-08-1	0.05	0.25	MG/KG	U	U	
4-AMINO-2,6-DINITROTOLUENE	19406-51-0	0.05	0.25	MG/KG	U	U	
4-NITROTOLUENE	99-99-0	0.05	0.25	MG/KG	U	U	
HMX	2691-41-0	0.05	0.25	MG/KG	U	U	
NITROBENZENE	98-95-3	0.05	0.25	MG/KG	U	R	D
NITROGLYCERIN	55-63-0	0.25	0.5	MG/KG	U	U	
NITROGUANIDINE	556-88-7	0.039	0.25	MG/KG	U	U	
PETN	78-11-5	0.25	0.5	MG/KG	U	U	
RDX	121-82-4	0.05	0.25	MG/KG	U	U	
TETRYL	479-45-8	0.05	0.25	MG/KG	U	U	

Validated Sample Result Forms for Sampling : Ravenna Army Ammunition Plant Ravenna, Ohio
Remediation Investigation Compliance Restoration Site: RVAAP-79 DLA Ore Storage Site-Main Ore Storage Yard

Sample Delivery Group: 240-22274-1

Analysis Method SW6020

Sample Name 079SD-0305-0001-SD **AnalysisType:** N

Lab Sample Name: 240-22274-3 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	12000	5	MG/KG	J		
ANTIMONY	7440-36-0	0.14	0.33	MG/KG	J	J-	Q
ARSENIC	7440-38-2	240	0.17	MG/KG	J		
BARIUM	7440-39-3	71	1.7	MG/KG	Q	J	M
BERYLLIUM	7440-41-7	0.65	0.17	MG/KG			
CADMIUM	7440-43-9	0.35	0.17	MG/KG			
CALCIUM	7440-70-2	2400	17	MG/KG		J	E
CHROMIUM	7440-47-3	28	0.33	MG/KG			
COBALT	7440-48-4	8.6	0.083	MG/KG	Q		
COPPER	7440-50-8	21	0.33	MG/KG	Q		
IRON	7439-89-6	21000	8.3	MG/KG	J		
LEAD	7439-92-1	51	0.17	MG/KG	J		
MAGNESIUM	7439-95-4	2800	17	MG/KG			
MANGANESE	7439-96-5	710	0.83	MG/KG	Q		
NICKEL	7440-02-0	29	0.17	MG/KG			
POTASSIUM	7440-09-7	1500	17	MG/KG			
SELENIUM	7782-49-2	0.61	0.83	MG/KG	J Q	J-	B
SILVER	7440-22-4	0.08	0.17	MG/KG	J	J	
SODIUM	7440-23-5	67	17	MG/KG			
THALLIUM	7440-28-0	0.17	0.17	MG/KG			
VANADIUM	7440-62-2	27	0.17	MG/KG			
ZINC	7440-66-6	80	0.83	MG/KG	Q		

Sample Delivery Group: 240-22274-1

Analysis Method SW7471A

Sample Name 079SD-0305-0001-SD **AnalysisType:** N

Lab Sample Name: 240-22274-3 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.046	0.19	MG/KG	J	J	

Sample Delivery Group: 240-22281-1

Analysis Method SW6020

Sample Name 079SB-0245M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	4500	2.9	MG/KG			
ANTIMONY	7440-36-0	0.097	0.19	MG/KG	U	UJ	Q
ARSENIC	7440-38-2	5	0.097	MG/KG		J-	Q, A
BARIUM	7440-39-3	25	0.97	MG/KG	Q		
BERYLLIUM	7440-41-7	0.26	0.097	MG/KG			
CADMIUM	7440-43-9	0.046	0.097	MG/KG	J	J	
CALCIUM	7440-70-2	260	9.7	MG/KG			
CHROMIUM	7440-47-3	6	0.19	MG/KG			
COBALT	7440-48-4	4.8	0.049	MG/KG	Q		
COPPER	7440-50-8	6.4	0.19	MG/KG	Q		
IRON	7439-89-6	10000	4.9	MG/KG			
LEAD	7439-92-1	5.2	0.097	MG/KG	Q		
MAGNESIUM	7439-95-4	940	9.7	MG/KG			
MANGANESE	7439-96-5	270	0.49	MG/KG	Q		
NICKEL	7440-02-0	10	0.097	MG/KG			
POTASSIUM	7440-09-7	420	9.7	MG/KG			
SELENIUM	7782-49-2	0.067	0.49	MG/KG	J	J-	B, Q
SILVER	7440-22-4	0.029	0.097	MG/KG	U Q	U	
SODIUM	7440-23-5	26	9.7	MG/KG			
THALLIUM	7440-28-0	0.084	0.097	MG/KG	J	J	
VANADIUM	7440-62-2	7.9	0.097	MG/KG			
ZINC	7440-66-6	19	0.49	MG/KG	Q	J-	Q, A

Sample Name 079SB-0247M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	2100	2.9	MG/KG			
ANTIMONY	7440-36-0	0.19	0.2	MG/KG	J	J-	Q

ARSENIC	7440-38-2	4.7	0.098	MG/KG		J-	Q, A
BARIUM	7440-39-3	45	0.98	MG/KG	Q		
BERYLLIUM	7440-41-7	0.14	0.098	MG/KG			
CADMIUM	7440-43-9	0.055	0.098	MG/KG	J	J	
CALCIUM	7440-70-2	210	9.8	MG/KG			
CHROMIUM	7440-47-3	7.8	0.2	MG/KG			
COBALT	7440-48-4	4.5	0.049	MG/KG	Q		
COPPER	7440-50-8	3.6	0.2	MG/KG	Q		
IRON	7439-89-6	6800	4.9	MG/KG			
LEAD	7439-92-1	3.6	0.098	MG/KG	Q		
MAGNESIUM	7439-95-4	450	9.8	MG/KG			
MANGANESE	7439-96-5	950	0.49	MG/KG	Q		
NICKEL	7440-02-0	11	0.098	MG/KG			
POTASSIUM	7440-09-7	350	9.8	MG/KG			
SELENIUM	7782-49-2	0.098	0.49	MG/KG	U	UJ	B, Q
SILVER	7440-22-4	0.029	0.098	MG/KG	U Q	U	
SODIUM	7440-23-5	24	9.8	MG/KG			
THALLIUM	7440-28-0	0.061	0.098	MG/KG	J	J	
VANADIUM	7440-62-2	4.2	0.098	MG/KG			
ZINC	7440-66-6	21	0.49	MG/KG	Q	J-	Q, A

Sample Name 079SB-0252M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-10 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	4500	2.9	MG/KG			
ANTIMONY	7440-36-0	0.097	0.19	MG/KG	U	UJ	Q
ARSENIC	7440-38-2	12	0.097	MG/KG		J-	Q, A
BARIUM	7440-39-3	20	0.97	MG/KG	Q		
BERYLLIUM	7440-41-7	0.24	0.097	MG/KG			
CADMIUM	7440-43-9	0.066	0.097	MG/KG	J	J	
CALCIUM	7440-70-2	150	9.7	MG/KG			
CHROMIUM	7440-47-3	7.2	0.19	MG/KG			
COBALT	7440-48-4	3.9	0.049	MG/KG	Q		

COPPER	7440-50-8	6.4	0.19	MG/KG	Q		
IRON	7439-89-6	11000	4.9	MG/KG			
LEAD	7439-92-1	5.1	0.097	MG/KG	Q		
MAGNESIUM	7439-95-4	900	9.7	MG/KG			
MANGANESE	7439-96-5	150	0.49	MG/KG	Q		
NICKEL	7440-02-0	11	0.097	MG/KG			
POTASSIUM	7440-09-7	520	9.7	MG/KG			
SELENIUM	7782-49-2	0.07	0.49	MG/KG	J	J-	B, Q
SILVER	7440-22-4	0.029	0.097	MG/KG	U Q	U	
SODIUM	7440-23-5	23	9.7	MG/KG		U	B
THALLIUM	7440-28-0	0.11	0.097	MG/KG			
VANADIUM	7440-62-2	7.7	0.097	MG/KG			
ZINC	7440-66-6	22	0.49	MG/KG	Q	J-	Q, A

Sample Name 079SB-0267M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-20 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	8400	3	MG/KG			
ANTIMONY	7440-36-0	0.099	0.2	MG/KG	U	UJ	Q
ARSENIC	7440-38-2	51	0.099	MG/KG		J-	Q, A
BARIUM	7440-39-3	58	0.99	MG/KG	Q		
BERYLLIUM	7440-41-7	0.57	0.099	MG/KG			
CADMIUM	7440-43-9	0.1	0.099	MG/KG			
CALCIUM	7440-70-2	3800	9.9	MG/KG			
CHROMIUM	7440-47-3	12	0.2	MG/KG			
COBALT	7440-48-4	7.3	0.05	MG/KG	Q		
COPPER	7440-50-8	12	0.2	MG/KG	Q		
IRON	7439-89-6	18000	5	MG/KG			
LEAD	7439-92-1	12	0.099	MG/KG	Q		
MAGNESIUM	7439-95-4	2900	9.9	MG/KG			
MANGANESE	7439-96-5	390	0.5	MG/KG	Q		
NICKEL	7440-02-0	17	0.099	MG/KG			
POTASSIUM	7440-09-7	1300	9.9	MG/KG			

Sample Delivery Group: 240-22281-1

SELENIUM	7782-49-2	0.22	0.5	MG/KG	J	J-	B, Q
SILVER	7440-22-4	0.018	0.099	MG/KG	J Q	J	
SODIUM	7440-23-5	240	9.9	MG/KG			
THALLIUM	7440-28-0	0.12	0.099	MG/KG			
VANADIUM	7440-62-2	13	0.099	MG/KG			
ZINC	7440-66-6	36	0.5	MG/KG	Q	J-	Q, A

Sample Name 079SB-0269M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-22 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	2300	3	MG/KG			
ANTIMONY	7440-36-0	0.099	0.2	MG/KG	U	UJ	Q
ARSENIC	7440-38-2	27	0.099	MG/KG		J-	Q, A
BARIUM	7440-39-3	39	0.99	MG/KG	Q		
BERYLLIUM	7440-41-7	0.19	0.099	MG/KG			
CADMIUM	7440-43-9	0.035	0.099	MG/KG	J	J	
CALCIUM	7440-70-2	1400	9.9	MG/KG			
CHROMIUM	7440-47-3	4.6	0.2	MG/KG			
COBALT	7440-48-4	2.7	0.05	MG/KG	Q		
COPPER	7440-50-8	18	0.2	MG/KG	Q		
IRON	7439-89-6	6400	5	MG/KG			
LEAD	7439-92-1	160	0.099	MG/KG	Q		
MAGNESIUM	7439-95-4	980	9.9	MG/KG			
MANGANESE	7439-96-5	5000	5	MG/KG	D Q		
NICKEL	7440-02-0	6.8	0.099	MG/KG			
POTASSIUM	7440-09-7	490	9.9	MG/KG			
SELENIUM	7782-49-2	0.099	0.5	MG/KG	U	UJ	B, Q
SILVER	7440-22-4	0.03	0.099	MG/KG	U Q	U	
SODIUM	7440-23-5	130	9.9	MG/KG			
THALLIUM	7440-28-0	0.049	0.099	MG/KG	J	J	
VANADIUM	7440-62-2	5	0.099	MG/KG			
ZINC	7440-66-6	17	0.5	MG/KG	Q	J-	Q, A

Sample Delivery Group: 240-22281-1

Sample Name 079SB-0272M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-26 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	990	3	MG/KG			
ANTIMONY	7440-36-0	0.18	0.2	MG/KG	J	J-	Q
ARSENIC	7440-38-2	8.8	0.1	MG/KG		J-	Q, A
BARIUM	7440-39-3	7.7	1	MG/KG	Q		
BERYLLIUM	7440-41-7	0.088	0.1	MG/KG	J	J	
CADMIUM	7440-43-9	0.11	0.1	MG/KG			
CALCIUM	7440-70-2	170	10	MG/KG			
CHROMIUM	7440-47-3	4.5	0.2	MG/KG			
COBALT	7440-48-4	1.9	0.05	MG/KG	Q		
COPPER	7440-50-8	2	0.2	MG/KG	Q		
IRON	7439-89-6	15000	5	MG/KG			
LEAD	7439-92-1	2.5	0.1	MG/KG	Q		
MAGNESIUM	7439-95-4	410	10	MG/KG			
MANGANESE	7439-96-5	300	0.5	MG/KG	Q		
NICKEL	7440-02-0	6.4	0.1	MG/KG			
POTASSIUM	7440-09-7	280	10	MG/KG			
SELENIUM	7782-49-2	0.1	0.5	MG/KG	U	UJ	B, Q
SILVER	7440-22-4	0.03	0.1	MG/KG	U Q	U	
SODIUM	7440-23-5	24	10	MG/KG			
THALLIUM	7440-28-0	0.058	0.1	MG/KG	J	J	
VANADIUM	7440-62-2	2.6	0.1	MG/KG			
ZINC	7440-66-6	56	0.5	MG/KG	Q	J-	Q, A

Sample Delivery Group: 240-22281-1

Analysis Method SW7471A

Sample Name 079SB-0245M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.016	0.1	MG/KG	J	J	

Sample Name 079SB-0247M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-4 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.031	0.095	MG/KG	U	U	

Sample Name 079SB-0252M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-10 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.038	0.12	MG/KG	U	U	

Sample Name 079SB-0267M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-20 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.023	0.11	MG/KG	J	J	

Sample Name 079SB-0269M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-22 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.034	0.1	MG/KG	U	U	

Sample Name 079SB-0272M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22281-26 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.037	0.11	MG/KG	U	U	

Sample Delivery Group: 240-22381-1

Analysis Method SW6020

Sample Name 079SB-0217M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22381-19 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	6100	2.8	MG/KG			
ANTIMONY	7440-36-0	0.053	0.19	MG/KG	J	J-	Q
ARSENIC	7440-38-2	6.6	0.094	MG/KG		J-	Q
BARIUM	7440-39-3	36	0.94	MG/KG	Q	J-	E, Q
BERYLLIUM	7440-41-7	0.36	0.094	MG/KG			
CADMIUM	7440-43-9	0.13	0.094	MG/KG	Q		
CALCIUM	7440-70-2	330	9.4	MG/KG			
CHROMIUM	7440-47-3	8.2	0.19	MG/KG			
COBALT	7440-48-4	6.9	0.047	MG/KG	Q		
COPPER	7440-50-8	11	0.19	MG/KG	Q	J-	Q
IRON	7439-89-6	15000	4.7	MG/KG			
LEAD	7439-92-1	8.6	0.094	MG/KG		J	E
MAGNESIUM	7439-95-4	1700	9.4	MG/KG			
MANGANESE	7439-96-5	490	0.47	MG/KG	Q	J	E
NICKEL	7440-02-0	15	0.094	MG/KG		J-	Q
POTASSIUM	7440-09-7	690	9.4	MG/KG			
SELENIUM	7782-49-2	0.21	0.47	MG/KG	J	J-	Q
SILVER	7440-22-4	0.02	0.094	MG/KG	J	J	
SODIUM	7440-23-5	32	9.4	MG/KG		J	E
THALLIUM	7440-28-0	0.12	0.094	MG/KG		J	E
VANADIUM	7440-62-2	9.8	0.094	MG/KG			
ZINC	7440-66-6	46	0.47	MG/KG	Q	J-	Q, A

Sample Name 079SB-0234M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22381-25 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	12000	3	MG/KG			
ANTIMONY	7440-36-0	0.099	0.2	MG/KG	U	R	Q

ARSENIC	7440-38-2	9.9	0.099	MG/KG		J-	Q
BARIUM	7440-39-3	81	0.99	MG/KG	Q	J-	E, Q
BERYLLIUM	7440-41-7	0.65	0.099	MG/KG			
CADMIUM	7440-43-9	0.15	0.099	MG/KG	Q		
CALCIUM	7440-70-2	750	9.9	MG/KG			
CHROMIUM	7440-47-3	19	0.2	MG/KG			
COBALT	7440-48-4	13	0.05	MG/KG	Q		
COPPER	7440-50-8	17	0.2	MG/KG	Q	J-	Q
IRON	7439-89-6	24000	5	MG/KG			
LEAD	7439-92-1	14	0.099	MG/KG		J	E
MAGNESIUM	7439-95-4	3800	9.9	MG/KG			
MANGANESE	7439-96-5	490	0.5	MG/KG	Q	J	E
NICKEL	7440-02-0	28	0.099	MG/KG		J-	Q
POTASSIUM	7440-09-7	1100	9.9	MG/KG			
SELENIUM	7782-49-2	0.23	0.5	MG/KG	J	J-	Q
SILVER	7440-22-4	0.023	0.099	MG/KG	J	J	
SODIUM	7440-23-5	120	9.9	MG/KG		J	E
THALLIUM	7440-28-0	0.15	0.099	MG/KG		J	E
VANADIUM	7440-62-2	18	0.099	MG/KG			
ZINC	7440-66-6	53	0.5	MG/KG	Q	J-	Q, A

Sample Name 079SB-0236M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22381-27 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	4000	3	MG/KG			
ANTIMONY	7440-36-0	0.1	0.2	MG/KG	U	R	Q
ARSENIC	7440-38-2	11	0.1	MG/KG		J-	Q
BARIUM	7440-39-3	100	1	MG/KG	Q	J-	E, Q
BERYLLIUM	7440-41-7	0.25	0.1	MG/KG			
CADMIUM	7440-43-9	0.059	0.1	MG/KG	J Q	J	
CALCIUM	7440-70-2	310	10	MG/KG			
CHROMIUM	7440-47-3	17	0.2	MG/KG			
COBALT	7440-48-4	5.2	0.05	MG/KG	Q		

Sample Delivery Group: 240-22381-1

COPPER	7440-50-8	7.2	0.2	MG/KG	Q	J-	Q
IRON	7439-89-6	12000	5	MG/KG			
LEAD	7439-92-1	6.4	0.1	MG/KG		J	E
MAGNESIUM	7439-95-4	1200	10	MG/KG			
MANGANESE	7439-96-5	2500	5	MG/KG	D Q	J	E
NICKEL	7440-02-0	14	0.1	MG/KG		J-	Q
POTASSIUM	7440-09-7	620	10	MG/KG			
SELENIUM	7782-49-2	0.12	0.5	MG/KG	J	J-	Q
SILVER	7440-22-4	0.014	0.1	MG/KG	J	J	
SODIUM	7440-23-5	48	10	MG/KG		J	E
THALLIUM	7440-28-0	0.18	0.1	MG/KG		J	E
VANADIUM	7440-62-2	7.6	0.1	MG/KG			
ZINC	7440-66-6	24	0.5	MG/KG	Q	J-	Q, A

Analysis Method SW7471A

Sample Name 079SB-0217M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22381-19 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.034	0.12	MG/KG	J	J	

Sample Name 079SB-0234M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22381-25 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.025	0.09	MG/KG	J	J	

Sample Name 079SB-0236M-0001-SO **AnalysisType:** N

Lab Sample Name: 240-22381-27 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.038	0.12	MG/KG	U	U	

Sample Delivery Group: 240-22662-1

Analysis Method E353.2

Sample Name 079SW-0311-0001-SW **AnalysisType:** N

Lab Sample Name: 240-22662-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
NITROCELLULOSE	9004-70-0	1	2	MG/L	U	U	

Analysis Method SW6020

Sample Name 079SW-0311-0001-SW **AnalysisType:** N

Lab Sample Name: 240-22662-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALUMINUM	7429-90-5	40	30	UG/L			
ANTIMONY	7440-36-0	0.9	2	UG/L	U	U	
ARSENIC	7440-38-2	15	1	UG/L			
BARIUM	7440-39-3	12	10	UG/L	Q		
BERYLLIUM	7440-41-7	0.09	1	UG/L	U	U	
CADMIUM	7440-43-9	0.3	1	UG/L	U	U	
CALCIUM	7440-70-2	14000	100	UG/L			
CHROMIUM	7440-47-3	1.6	2	UG/L	J	J	
COBALT	7440-48-4	0.044	0.5	UG/L	J Q	J	
COPPER	7440-50-8	1.4	2	UG/L	J Q	J	
IRON	7439-89-6	220	50	UG/L			
LEAD	7439-92-1	0.3	1	UG/L	J Q	U	B
MAGNESIUM	7439-95-4	3000	100	UG/L			
MANGANESE	7439-96-5	12	5	UG/L	Q		
NICKEL	7440-02-0	0.57	1	UG/L	J	J	
POTASSIUM	7440-09-7	5000	100	UG/L			
SELENIUM	7782-49-2	1	5	UG/L	U	U	
SILVER	7440-22-4	0.2	1	UG/L	U	U	
SODIUM	7440-23-5	2900	100	UG/L			
THALLIUM	7440-28-0	0.2	1	UG/L	U	U	
VANADIUM	7440-62-2	0.6	1	UG/L	U	U	
ZINC	7440-66-6	1.8	5	UG/L	J Q	J	

Sample Delivery Group: 240-22662-1

Analysis Method SW7470A

Sample Name 079SW-0311-0001-SW **AnalysisType:** N

Lab Sample Name: 240-22662-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
MERCURY	7439-97-6	0.2	0.2	UG/L	U	U	

Analysis Method SW8081

Sample Name 079SW-0311-0001-SW **AnalysisType:** N

Lab Sample Name: 240-22662-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
ALDRIN	309-00-2	0.011	0.053	UG/L	U	U	
ALPHA BHC	319-84-6	0.011	0.053	UG/L	U	U	
ALPHA ENDOSULFAN	959-98-8	0.014	0.053	UG/L	U	U	
ALPHA-CHLORDANE	5103-71-9	0.015	0.053	UG/L	U	U	
BETA BHC	319-85-7	0.011	0.053	UG/L	U	U	
BETA ENDOSULFAN	33213-65-9	0.013	0.053	UG/L	U	U	
DELTA BHC	319-86-8	0.011	0.053	UG/L	U	U	
DIELDRIN	60-57-1	0.011	0.053	UG/L	U	U	
ENDOSULFAN SULFATE	1031-07-8	0.012	0.053	UG/L	U	U	
ENDRIN	72-20-8	0.012	0.053	UG/L	U	U	
ENDRIN ALDEHYDE	7421-93-4	0.012	0.053	UG/L	U	U	
ENDRIN KETONE	53494-70-5	0.011	0.053	UG/L	U	U	
GAMMA BHC (LINDANE)	58-89-9	0.011	0.053	UG/L	U	U	
GAMMA-CHLORDANE	5566-34-7	0.013	0.053	UG/L	U	U	
HEPTACHLOR	76-44-8	0.011	0.053	UG/L	U	U	
HEPTACHLOR EPOXIDE	1024-57-3	0.011	0.053	UG/L	U	U	
METHOXYCHLOR	72-43-5	0.034	0.11	UG/L	U	U	
P,P'-DDD	72-54-8	0.011	0.053	UG/L	U	U	
P,P'-DDE	72-55-9	0.011	0.053	UG/L	U	U	
P,P'-DDT	50-29-3	0.032	0.053	UG/L	U	U	
TOXAPHENE	8001-35-2	0.53	2.1	UG/L	U	UJ	C

Sample Delivery Group: 240-22662-1

Analysis Method SW8082

Sample Name 079SW-0311-0001-SW **AnalysisType:** N

Lab Sample Name: 240-22662-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
PCB-1016	12674-11-2	0.21	0.53	UG/L	U	U	
PCB-1221	11104-28-2	0.21	0.53	UG/L	U	UJ	C
PCB-1232	11141-16-5	0.21	0.53	UG/L	U	U	
PCB-1242	53469-21-9	0.42	0.53	UG/L	U	U	
PCB-1248	12672-29-6	0.21	0.53	UG/L	U	U	
PCB-1254	11097-69-1	0.21	0.53	UG/L	U	U	
PCB-1260	11096-82-5	0.21	0.53	UG/L	U	U	

Sample Delivery Group: 240-22662-1

Analysis Method SW8260B

Sample Name 079SW-0311-0001-SW **AnalysisType:** N

Lab Sample Name: 240-22662-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,1,1-TRICHLOROETHANE	71-55-6	0.25	1	UG/L	U	U	
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.25	1	UG/L	U	U	
1,1,2-TRICHLOROETHANE	79-00-5	0.5	1	UG/L	U	U	
1,1-DICHLOROETHANE	75-34-3	0.25	1	UG/L	U	U	
1,1-DICHLOROETHENE	75-35-4	0.25	1	UG/L	U	U	
1,2-DIBROMOETHANE	106-93-4	0.25	1	UG/L	U	U	
1,2-DICHLOROETHANE	107-06-2	0.25	1	UG/L	U	U	
1,2-DICHLOROPROPANE	78-87-5	0.25	1	UG/L	U	U	
2-HEXANONE	591-78-6	0.5	10	UG/L	U	U	
ACETONE	67-64-1	1.2	10	UG/L	J	J	C
BENZENE	71-43-2	0.25	1	UG/L	U	U	
BROMOCHLOROMETHANE	74-97-5	0.5	1	UG/L	U	U	
BROMODICHLOROMETHANE	75-27-4	0.25	1	UG/L	U	U	
BROMOFORM	75-25-2	0.64	1	UG/L	U	U	
BROMOMETHANE	74-83-9	0.5	1	UG/L	U	U	
CARBON DISULFIDE	75-15-0	0.25	1	UG/L	U	U	
CARBON TETRACHLORIDE	56-23-5	0.25	1	UG/L	U	U	
CHLOROBENZENE	108-90-7	0.25	1	UG/L	U	U	
CHLOROETHANE	75-00-3	0.5	1	UG/L	U	U	
CHLOROFORM	67-66-3	0.25	1	UG/L	U	U	
CHLOROMETHANE	74-87-3	0.5	1	UG/L	U	U	
CIS-1,3-DICHLOROPROPENE	10061-01-5	0.25	1	UG/L	U	U	
DIBROMOCHLOROMETHANE	124-48-1	0.25	1	UG/L	U	U	
ETHYLBENZENE	100-41-4	0.25	1	UG/L	U	U	
METHYL ETHYL KETONE	78-93-3	0.57	10	UG/L	U	U	
METHYL ISOBUTYL KETONE	108-10-1	0.5	10	UG/L	U	U	
METHYLENE CHLORIDE	75-09-2	0.5	1	UG/L	U	U	
STYRENE	100-42-5	0.25	1	UG/L	U	U	

Sample Delivery Group: 240-22662-1

TERT-BUTYL METHYL ETHER	1634-04-4	0.25	1	UG/L	U	U
TETRACHLOROETHYLENE	127-18-4	0.5	1	UG/L	U	U
TOLUENE	108-88-3	0.25	1	UG/L	U	U
TOTAL 1,2-DICHLOROETHENE	540-59-0	0.5	2	UG/L	U	U
TRANS-1,3-DICHLOROPROPENE	10061-02-6	0.25	1	UG/L	U	U
TRICHLOROETHYLENE	79-01-6	0.25	1	UG/L	U	U
VINYL CHLORIDE	75-01-4	0.25	1	UG/L	U	U
XYLENES, TOTAL		0.75	2	UG/L	U	U

Sample Delivery Group: 240-22662-1

Analysis Method SW8270C

Sample Name 079SW-0311-0001-SW **AnalysisType:** N

Lab Sample Name: 240-22662-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,2,4-TRICHLOROBENZENE	120-82-1	0.85	1.1	UG/L	U	U	
1,2-DICHLOROBENZENE	95-50-1	0.85	1.1	UG/L	U	U	
1,3-DICHLOROBENZENE	541-73-1	0.85	1.1	UG/L	U	U	
1,4-DICHLOROBENZENE	106-46-7	0.85	1.1	UG/L	U	U	
2,4,5-TRICHLOROPHENOL	95-95-4	0.85	5.3	UG/L	U	U	
2,4,6-TRICHLOROPHENOL	88-06-2	0.85	5.3	UG/L	U	U	
2,4-DICHLOROPHENOL	120-83-2	0.85	2.1	UG/L	U	U	
2,4-DIMETHYLPHENOL	105-67-9	0.85	2.1	UG/L	U	U	
2,4-DINITROPHENOL	51-28-5	2.6	5.3	UG/L	U	U	
2,4-DINITROTOLUENE	121-14-2	0.85	5.3	UG/L	U	R	D
2,6-DINITROTOLUENE	606-20-2	0.85	5.3	UG/L	U	R	D
2-CHLORONAPHTHALENE	91-58-7	0.11	1.1	UG/L	U	U	
2-CHLOROPHENOL	95-57-8	0.85	1.1	UG/L	U	U	
2-METHYLNAPHTHALENE	91-57-6	0.11	0.21	UG/L	U	U	
2-METHYLPHENOL (O-CRESOL)	95-48-7	0.85	1.1	UG/L	U	U	
2-NITROANILINE	88-74-4	0.85	2.1	UG/L	U	U	
2-NITROPHENOL	88-75-5	0.85	2.1	UG/L	U	U	
3,3'-DICHLOROBENZIDINE	91-94-1	0.85	5.3	UG/L	U	U	
3-NITROANILINE	99-09-2	0.85	2.1	UG/L	U	U	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	2.6	5.3	UG/L	U	U	
4-BROMOPHENYL PHENYL ETHE	101-55-3	0.85	2.1	UG/L	U	U	
4-CHLORO-3-METHYLPHENOL	59-50-7	0.85	2.1	UG/L	U	U	
4-CHLOROANILINE	106-47-8	0.85	2.1	UG/L	U	U	
4-CHLOROPHENYL PHENYL ETH	7005-72-3	0.85	2.1	UG/L	U	U	
4-NITROANILINE	100-01-6	0.85	2.1	UG/L	U	U	
4-NITROPHENOL	100-02-7	2.6	5.3	UG/L	U	U	
ACENAPHTHENE	83-32-9	0.11	0.21	UG/L	U	U	
ACENAPHTHYLENE	208-96-8	0.11	0.21	UG/L	U	U	

Sample Delivery Group: 240-22662-1

ANTHRACENE	120-12-7	0.11	0.21	UG/L	U	U
BENZO(A)ANTHRACENE	56-55-3	0.11	0.21	UG/L	U	U
BENZO(A)PYRENE	50-32-8	0.11	0.21	UG/L	U	U
BENZO(B)FLUORANTHENE	205-99-2	0.11	0.21	UG/L	U	U
BENZO(G,H,I)PERYLENE	191-24-2	0.11	0.21	UG/L	U	U
BENZO(K)FLUORANTHENE	207-08-9	0.11	0.21	UG/L	U	U
BENZOIC ACID	65-85-0	11	27	UG/L	U	U
BENZYL ALCOHOL	100-51-6	0.85	5.3	UG/L	U	U
BENZYL BUTYL PHTHALATE	85-68-7	0.85	1.1	UG/L	U	U
BIS(2-CHLOROETHOXY) METHA	111-91-1	0.85	1.1	UG/L	U	U
BIS(2-CHLOROETHYL) ETHER	111-44-4	0.11	1.1	UG/L	U	U
BIS(2-CHLOROISOPROPYL) ETHE	108-60-1	0.85	1.1	UG/L	U	U
BIS(2-ETHYLHEXYL) PHTHALAT	117-81-7	0.85	2.1	UG/L	U	U
CARBAZOLE	86-74-8	0.85	1.1	UG/L	U	U
CHRYSENE	218-01-9	0.11	0.21	UG/L	U	U
CRESOLS, M & P		0.85	2.1	UG/L	U	U
DIBENZ(A,H)ANTHRACENE	53-70-3	0.11	0.21	UG/L	U	U
DIBENZOFURAN	132-64-9	0.11	1.1	UG/L	U	U
DIETHYL PHTHALATE	84-66-2	0.85	1.1	UG/L	U	U
DIMETHYL PHTHALATE	131-11-3	0.85	1.1	UG/L	U	U
DI-N-BUTYL PHTHALATE	84-74-2	0.85	1.1	UG/L	U	U
DI-N-OCTYLPHTHALATE	117-84-0	0.85	1.1	UG/L	U	U
FLUORANTHENE	206-44-0	0.11	0.21	UG/L	U	U
FLUORENE	86-73-7	0.11	0.21	UG/L	U	U
HEXACHLOROBENZENE	118-74-1	0.11	0.21	UG/L	U	U
HEXACHLOROBUTADIENE	87-68-3	0.85	1.1	UG/L	U	U
HEXACHLOROCYCLOPENTADIE	77-47-4	0.85	11	UG/L	U Q	U
HEXACHLOROETHANE	67-72-1	0.85	1.1	UG/L	U	U
INDENO(1,2,3-C,D)PYRENE	193-39-5	0.11	0.21	UG/L	U	U
ISOPHORONE	78-59-1	0.85	1.1	UG/L	U	U
NAPHTHALENE	91-20-3	0.11	0.21	UG/L	U	U
NITROBENZENE	98-95-3	0.11	1.1	UG/L	U	U
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.85	1.1	UG/L	U	U

Sample Delivery Group: 240-22662-1

N-NITROSODIPHENYLAMINE	86-30-6	0.85	1.1	UG/L	U	U	
PENTACHLOROPHENOL	87-86-5	2.6	5.3	UG/L	U	U	
PHENANTHRENE	85-01-8	0.11	0.21	UG/L	U	U	
PHENOL	108-95-2	0.85	1.1	UG/L	U	U	
PYRENE	129-00-0	0.11	0.21	UG/L	U	U	

Analysis Method SW8330B

Sample Name 079SW-0311-0001-SW **AnalysisType:** N

Lab Sample Name: 240-22662-1 **Validation Level:** IV

Analyte	CAS No	Result Value	LOQ	Result	Lab Qualifier	Validation Qualifier	Validation Qualifier Code
1,3,5-TRINITROBENZENE	99-35-4	2.2	2.2	UG/L	U	U	$
1,3-DINITROBENZENE	99-65-0	1.1	1.1	UG/L	U	U	$
2,4,6-TRINITROTOLUENE	118-96-7	1.1	1.1	UG/L	U	U	$
2,4-DINITROTOLUENE	121-14-2	0.11	0.11	UG/L	U	U	
2,6-DINITROTOLUENE	606-20-2	0.11	0.11	UG/L	U	U	
2-AMINO-4,6-DINITROTOLUENE	35572-78-2	1.1	1.1	UG/L	U	U	$
2-NITROTOLUENE	88-72-2	0.11	0.56	UG/L	U	U	
3-NITROTOLUENE	99-08-1	0.11	0.56	UG/L	U	U	
4-AMINO-2,6-DINITROTOLUENE	19406-51-0	1.1	1.1	UG/L	U	U	$
4-NITROTOLUENE	99-99-0	0.11	0.56	UG/L	U	U	
HMX	2691-41-0	1.1	1.1	UG/L	U	U	$
NITROBENZENE	98-95-3	2.2	2.2	UG/L	U	R	D, $
NITROGLYCERIN	55-63-0	4.4	4.4	UG/L	U	U	$
NITROGUANIDINE	556-88-7	6	20	UG/L	U	U	
PETN	78-11-5	0.56	0.73	UG/L	U	U	
RDX	121-82-4	2.2	2.2	UG/L	U	U	$
TETRYL	479-45-8	1.1	1.1	UG/L	U	U	$

APPENDIX B

Sample Qualification Summary

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qual	Code
068SB-0053M-0001-SO	ALUMINUM	8700	MG/KG	0.26	2.7	0.55	J	E
068SB-0053M-0001-SO	ANTIMONY	0.046	MG/KG	0.042	0.18	0.091	J-	Q
068SB-0053M-0001-SO	ARSENIC	11	MG/KG	0.016	0.091	0.045	J-	E, Q
068SB-0053M-0001-SO	BARIUM	53	MG/KG	0.0097	0.91	0.018	J	M, E
068SB-0053M-0001-SO	CALCIUM	3400	MG/KG	1.2	9.1	2.3	J	E, Q
068SB-0053M-0001-SO	CHROMIUM	12	MG/KG	0.02	0.18	0.036	J	E
068SB-0053M-0001-SO	COBALT	8.6	MG/KG	0.0022	0.045	0.0091	J	E
068SB-0053M-0001-SO	COPPER	16	MG/KG	0.03	0.18	0.055	J	E
068SB-0053M-0001-SO	IRON	21000	MG/KG	0.98	4.5	1.8	J	E
068SB-0053M-0001-SO	LEAD	13	MG/KG	0.014	0.091	0.027	J	E
068SB-0053M-0001-SO	MAGNESIUM	2400	MG/KG	0.98	9.1	1.8	J	E
068SB-0053M-0001-SO	MANGANESE	370	MG/KG	0.014	0.45	0.027	J	E
068SB-0053M-0001-SO	NICKEL	18	MG/KG	0.01	0.091	0.027	J	E
068SB-0053M-0001-SO	POTASSIUM	770	MG/KG	2.9	9.1	5.5	J	E
068SB-0053M-0001-SO	SELENIUM	0.29	MG/KG	0.046	0.45	0.091	J-	Q
068SB-0053M-0001-SO	SODIUM	44	MG/KG	2.4	9.1	4.5	J	E
068SB-0053M-0001-SO	VANADIUM	15	MG/KG	0.027	0.091	0.055	J	E
068SB-0053M-0001-SO	ZINC	40	MG/KG	0.059	0.45	0.18	J-	E, Q, A
068SB-0053M-0001-SO	PCB-1221	25	UG/KG	16	50	25	UJ	C
068SB-0053M-0001-SO	2,4-DINITROPHENOL	80	UG/KG	80	330	80	UJ	C
068SB-0053M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	74	UG/KG	19	74	27	U	B
068SD-0009-0001-SO	ANTIMONY	0.13	MG/KG	0.06	0.19	0.14	J-	Q
068SD-0009-0001-SO	ARSENIC	16	MG/KG	0.05	0.48	0.14	J-	Q
068SD-0009-0001-SO	CALCIUM	1500	MG/KG	39	190	96	J-	Q
068SD-0009-0001-SO	LEAD	23	MG/KG	0.068	0.29	0.19	J-	Q
068SD-0009-0001-SO	MANGANESE	1200	MG/KG	3.1	9.6	7.7	J	E
068SD-0009-0001-SO	SELENIUM	0.8	MG/KG	0.02	0.48	0.058	J-	M, Q
068SD-0009-0001-SO	THALLIUM	0.22	MG/KG	0.054	0.19	0.14	J+	C
068SD-0009-0001-SO	MERCURY	0.031	MG/KG	0.013	0.095	0.031	U	B
068SD-0009-0001-SO	2,4-DINITROPHENOL	79	UG/KG	79	330	79	UJ	C
068SD-0009-0001-SO	3,3'-DICHLOROBENZIDINE	79	UG/KG	18	99	79	R	Q
068SD-0009-0001-SO	3-NITROANILINE	79	UG/KG	16	200	79	UJ	Q
068SD-0009-0001-SO	4-CHLOROANILINE	27	UG/KG	17	150	27	UJ	Q
068SD-0009-0001-SO	4-NITROANILINE	27	UG/KG	26	200	27	UJ	Q
068SD-0009-0001-SO	BENZO(G,H,I)PERYLENE	16	UG/KG	3.3	6.6	3.3	J	C
068SD-0009-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	38	UG/KG	19	49	27	U	B
068SD-0009-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	3.3	6.6	3.3	UJ	C
068SD-0009-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	27	330	27	R	C
068SD-0009-0001-SO	INDENO(1,2,3-C,D)PYRENE	17	UG/KG	3.3	6.6	3.3	J	C
068SS-0003M-0001-SO	NITROCELLULOSE	0.88	MG/KG	0.75	4.8	1.8	J	Q
068SS-0003M-0001-SO	ANTIMONY	2.16	MG/KG	0.26	0.85	0.64	J-	Q
068SS-0003M-0001-SO	MANGANESE	386	MG/KG	0.68	2.1	1.7	J	E
068SS-0003M-0001-SO	SELENIUM	0.57	MG/KG	0.018	0.43	0.051	J	M
068SS-0003M-0001-SO	SODIUM	52	MG/KG	12	85	34	U	F
068SS-0003M-0001-SO	MERCURY	0.046	MG/KG	0.014	0.098	0.032	U	B
068SS-0003M-0001-SO	CHLOROBENZENE	0.4	UG/KG	0.26	4	0.4	UJ	Q
068SS-0003M-0001-SO	ETHYLBENZENE	0.4	UG/KG	0.21	4	0.4	UJ	Q
068SS-0003M-0001-SO	STYRENE	0.4	UG/KG	0.12	4	0.4	UJ	Q
068SS-0003M-0001-SO	XYLENES, TOTAL	1.2	UG/KG	0.54	8	1.2	UJ	Q

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qual	Code
068SS-0003M-0001-SO	2,4-DINITROPHENOL	80	UG/KG	80	330	80	UJ	C
068SS-0003M-0001-SO	3,3'-DICHLOROBENZIDINE	80	UG/KG	18	100	80	UJ	Q
068SS-0003M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	80	UG/KG	80	150	80	UJ	C
068SS-0003M-0001-SO	BENZOIC ACID	330	UG/KG	330	660	330	UJ	Q
068SS-0003M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	34	UG/KG	19	50	27	U	B
068SS-0003M-0001-SO	DIBENZ(A,H)ANTHRACENE	57	UG/KG	3.3	6.7	3.3	J	C
068SS-0003M-0001-SO	HEXACHLOROETHANE	27	UG/KG	9	50	27	UJ	C
068SS-0003M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	21	50	27	R	C
068SS-0003M-0001-SO	2,4-DINITROTOLUENE	0.05	MG/KG	0.0053	0.25	0.05	R	D
068SS-0003M-0001-SO	2,6-DINITROTOLUENE	0.05	MG/KG	0.0073	0.25	0.05	R	D
068SS-0003M-0001-SO	2-NITROTOLUENE	0.05	MG/KG	0.013	0.25	0.05	UJ	C
068SS-0003M-0001-SO	NITROBENZENE	0.05	MG/KG	0.018	0.25	0.05	R	D
068SS-0003M-0001-SO	RDX	0.05	MG/KG	0.012	0.25	0.05	UJ	C
068SS-0003M-0001-SO	TETRYL	0.05	MG/KG	0.01	0.25	0.05	U	B
068SW-0016-0001-SW	BARIUM	34	UG/L	1.6	5	4	J	M
068SW-0016-0001-SW	IRON	1300	UG/L	44	150	100	J+	C
068SW-0016-0001-SW	SELENIUM	0.5	UG/L	0.2	5	0.5	UJ	M
068SW-0016-0001-SW	THALLIUM	1	UG/L	0.32	2	1	U	B
068SW-0016-0001-SW	ZINC	20	UG/L	8.8	40	20	U	B
068SW-0016-0001-SW	MERCURY	0.2	UG/L	0.12	0.2	0.2	UJ	C
068SW-0016-0001-SW	1,2,4-TRICHLOROBENZENE	0.76	UG/L	0.27	0.95	0.76	UJ	Q
068SW-0016-0001-SW	1,2-DICHLOROBENZENE	0.76	UG/L	0.28	0.95	0.76	UJ	Q
068SW-0016-0001-SW	1,3-DICHLOROBENZENE	0.76	UG/L	0.76	0.95	0.76	UJ	Q
068SW-0016-0001-SW	1,4-DICHLOROBENZENE	0.76	UG/L	0.32	0.95	0.76	UJ	Q
068SW-0016-0001-SW	BENZO(G,H,I)PERYLENE	0.095	UG/L	0.095	0.19	0.095	UJ	Q
068SW-0016-0001-SW	BIS(2-CHLOROETHYL) ETHER	0.095	UG/L	0.095	0.95	0.095	UJ	Q
068SW-0016-0001-SW	BIS(2-CHLOROISOPROPYL) ETHER	0.76	UG/L	0.38	0.95	0.76	UJ	Q
068SW-0016-0001-SW	DIBENZ(A,H)ANTHRACENE	0.095	UG/L	0.095	0.19	0.095	UJ	Q
068SW-0016-0001-SW	DI-N-OCTYLPHTHALATE	0.76	UG/L	0.76	0.95	0.76	UJ	Q
068SW-0016-0001-SW	HEXACHLOROBUTADIENE	0.76	UG/L	0.26	0.95	0.76	UJ	Q
068SW-0016-0001-SW	HEXACHLOROETHANE	0.76	UG/L	0.76	0.95	0.76	UJ	Q
068SW-0016-0001-SW	INDENO(1,2,3-C,D)PYRENE	0.095	UG/L	0.095	0.19	0.095	UJ	Q

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qual	Code
069SB-0013M-0001-SO	ANTIMONY	0.052	MG/KG	0.042	0.18	0.091	J	I, Q
069SB-0013M-0001-SO	BARIUM	39.0	MG/KG	0.0097	0.91	0.018	J	M
069SB-0013M-0001-SO	CADMIUM	0.17	MG/KG	0.012	0.091	0.027	J+	I
069SB-0013M-0001-SO	CALCIUM	10000	MG/KG	1.2	9.1	2.3	J-	Q
069SB-0013M-0001-SO	SELENIUM	0.47	MG/KG	0.046	0.45	0.091	J-	Q
069SB-0013M-0001-SO	SILVER	0.028	MG/KG	0.010	0.091	0.027	J+	I
069SB-0013M-0001-SO	CARBON DISULFIDE	0.51	UG/KG	0.45	5.1	0.51	UJ	C
069SB-0013M-0001-SO	3,3'-DICHLOROBENZIDINE	79	UG/KG	18	98	79	UJ	C
069SB-0013M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	130.0	UG/KG	19	49	27	U	B
069SB-0013M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	21	49	27	R	C
069SS-0001M-0001-SO	ANTIMONY	0.14	MG/KG	0.041	0.18	0.089	J	I, Q
069SS-0001M-0001-SO	ARSENIC	10.0	MG/KG	0.016	0.089	0.045	J-	Q
069SS-0001M-0001-SO	BARIUM	76.0	MG/KG	0.0096	0.89	0.018	J	M
069SS-0001M-0001-SO	CADMIUM	0.29	MG/KG	0.012	0.089	0.027	J-	Q
069SS-0001M-0001-SO	CALCIUM	5300	MG/KG	1.2	8.9	2.2	J	A, E
069SS-0001M-0001-SO	COPPER	19.0	MG/KG	0.029	0.18	0.054	J-	Q
069SS-0001M-0001-SO	SELENIUM	0.78	MG/KG	0.045	0.45	0.089	J-	Q
069SS-0001M-0001-SO	SILVER	0.034	MG/KG	0.010	0.089	0.027	J+	I
069SS-0001M-0001-SO	SODIUM	53.0	MG/KG	2.4	8.9	4.5	U	F
069SS-0001M-0001-SO	THALLIUM	0.23	MG/KG	0.0091	0.089	0.018	U	F
069SS-0001M-0001-SO	CARBON DISULFIDE	0.51	UG/KG	0.45	5.1	0.51	UJ	C
069SS-0001M-0001-SO	2,4-DINITROTOLUENE	140	UG/KG	140	1000	140	R	D
069SS-0001M-0001-SO	2,6-DINITROTOLUENE	140	UG/KG	110	1000	140	R	D
069SS-0001M-0001-SO	3,3'-DICHLOROBENZIDINE	400	UG/KG	91	500	400	R	Q
069SS-0001M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	400	UG/KG	400	750	400	UJ	Q
069SS-0001M-0001-SO	4-NITROPHENOL	400	UG/KG	400	1700	400	UJ	Q
069SS-0001M-0001-SO	BENZOIC ACID	1700	UG/KG	1700	3300	1700	R	Q
069SS-0001M-0001-SO	N-NITROSODIPHENYLAMINE	140	UG/KG	110	250	140	R	C
069SS-0001M-0001-SO	2-NITROTOLUENE	0.05	MG/KG	0.013	0.25	0.05	UJ	C
069SS-0001M-0001-SO	NITROBENZENE	0.05	MG/KG	0.018	0.25	0.05	R	D
069SS-0001M-0001-SO	RDX	0.05	MG/KG	0.012	0.25	0.05	UJ	C

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qualifier	Code
073SB-0009M-0001-SO	ANTIMONY	0.065	MG/KG	0.044	0.19	0.095	J-	Q
073SB-0009M-0001-SO	ARSENIC	7.8	MG/KG	0.017	0.095	0.048	J-	Q
073SB-0009M-0001-SO	CADMIUM	0.18	MG/KG	0.013	0.095	0.029	J+	I
073SB-0009M-0001-SO	CALCIUM	6500.0	MG/KG	1.3	9.5	2.4	J-	Q
073SB-0009M-0001-SO	CHROMIUM	14.0	MG/KG	0.021	0.19	0.038	J+	Q
073SB-0009M-0001-SO	COPPER	14.0	MG/KG	0.031	0.19	0.057	J-	Q
073SB-0009M-0001-SO	POTASSIUM	1100.0	MG/KG	3.0	9.5	5.7	J+	Q
073SB-0009M-0001-SO	SELENIUM	0.71	MG/KG	0.048	0.48	0.095	J-	Q
073SB-0009M-0001-SO	THALLIUM	0.13	MG/KG	0.0097	0.095	0.019	J-	Q
073SB-0009M-0001-SO	VANADIUM	13.0	MG/KG	0.028	0.095	0.057	J+	Q
073SB-0009M-0001-SO	ZINC	45.0	MG/KG	0.062	0.48	0.19	J-	P
073SB-0009M-0001-SO	3,3'-DICHLOROBENZIDINE	390	UG/KG	89	490	390	UJ	C
073SB-0016M-0001-SO	ANTIMONY	0.047	MG/KG	0.046	0.2	0.1	J-	Q
073SB-0016M-0001-SO	ARSENIC	7.3	MG/KG	0.018	0.1	0.05	J-	Q
073SB-0016M-0001-SO	BERYLLIUM	0.38	MG/KG	0.0075	0.1	0.01	J-	Q, A
073SB-0016M-0001-SO	CADMIUM	0.2	MG/KG	0.013	0.1	0.03	J+	I
073SB-0016M-0001-SO	CALCIUM	5500	MG/KG	1.3	10	2.5	J-	Q, E
073SB-0016M-0001-SO	COPPER	12	MG/KG	0.033	0.2	0.06	J-	Q
073SB-0016M-0001-SO	SELENIUM	0.25	MG/KG	0.051	0.5	0.1	J-	Q
073SB-0016M-0001-SO	THALLIUM	0.091	MG/KG	0.01	0.1	0.02	J+	I
073SB-0016M-0001-SO	ZINC	43	MG/KG	0.065	0.5	0.2	J-	Q, A
073SB-0016M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	89	UG/KG	19	50	27	U	B
073SB-0016M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	15	50	27	U	B
073SB-0016M-0001-SO	HEXACHLOROETHANE	27	UG/KG	9	50	27	UJ	C
073SB-0038M-0001-SO	ANTIMONY	0.067	MG/KG	0.043	0.19	0.093	J-	Q
073SB-0038M-0001-SO	ARSENIC	19	MG/KG	0.017	0.093	0.046	J-	Q
073SB-0038M-0001-SO	SELENIUM	0.28	MG/KG	0.047	0.46	0.093	J-	Q
073SB-0038M-0001-SO	ZINC	64	MG/KG	0.06	0.46	0.19	J-	Q
073SB-0038M-0001-SO	1,2,4-TRICHLOROBENZENE	270	UG/KG	270	500	270	UJ	H
073SB-0038M-0001-SO	1,2-DICHLOROBENZENE	270	UG/KG	98	500	270	UJ	H
073SB-0038M-0001-SO	1,3-DICHLOROBENZENE	270	UG/KG	110	500	270	UJ	H
073SB-0038M-0001-SO	1,4-DICHLOROBENZENE	270	UG/KG	200	500	270	UJ	H
073SB-0038M-0001-SO	2,4,5-TRICHLOROPHENOL	270	UG/KG	250	1500	270	UJ	H
073SB-0038M-0001-SO	2,4,6-TRICHLOROPHENOL	810	UG/KG	810	1500	810	UJ	H
073SB-0038M-0001-SO	2,4-DICHLOROPHENOL	270	UG/KG	200	1500	270	UJ	H
073SB-0038M-0001-SO	2,4-DIMETHYLPHENOL	810	UG/KG	200	1500	810	UJ	H
073SB-0038M-0001-SO	2,4-DINITROPHENOL	810	UG/KG	810	3300	810	UJ	H, C
073SB-0038M-0001-SO	2,4-DINITROTOLUENE	270	UG/KG	270	2000	270	UJ	H
073SB-0038M-0001-SO	2,6-DINITROTOLUENE	270	UG/KG	210	2000	270	UJ	H
073SB-0038M-0001-SO	2-CHLORONAPHTHALENE	33	UG/KG	33	500	33	UJ	H
073SB-0038M-0001-SO	2-CHLOROPHENOL	270	UG/KG	270	500	270	UJ	H
073SB-0038M-0001-SO	2-METHYLNAPHTHALENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	2-METHYLPHENOL (O-CRESOL)	810	UG/KG	810	2000	810	UJ	H
073SB-0038M-0001-SO	2-NITROANILINE	270	UG/KG	92	2000	270	UJ	H
073SB-0038M-0001-SO	2-NITROPHENOL	270	UG/KG	270	500	270	UJ	H
073SB-0038M-0001-SO	3,3'-DICHLOROBENZIDINE	810	UG/KG	180	1000	810	UJ	H
073SB-0038M-0001-SO	3-NITROANILINE	810	UG/KG	160	2000	810	UJ	H
073SB-0038M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	810	UG/KG	810	1500	810	UJ	H, C
073SB-0038M-0001-SO	4-BROMOPHENYL PHENYL ETHER	270	UG/KG	130	500	270	UJ	H

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qualifier	Code
073SB-0038M-0001-SO	4-CHLORO-3-METHYLPHENOL	270	UG/KG	210	1500	270	UJ	H
073SB-0038M-0001-SO	4-CHLOROANILINE	270	UG/KG	170	1500	270	UJ	H
073SB-0038M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	270	UG/KG	130	500	270	UJ	H
073SB-0038M-0001-SO	4-NITROANILINE	270	UG/KG	260	2000	270	UJ	H
073SB-0038M-0001-SO	4-NITROPHENOL	810	UG/KG	810	3300	810	UJ	H
073SB-0038M-0001-SO	ACENAPHTHENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	ACENAPHTHYLENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	ANTHRACENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	BENZO(A)ANTHRACENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	BENZO(A)PYRENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	BENZO(B)FLUORANTHENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	BENZO(G,H,I)PERYLENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	BENZO(K)FLUORANTHENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	BENZOIC ACID	3400	UG/KG	3400	6700	3400	R	L
073SB-0038M-0001-SO	BENZYL ALCOHOL	270	UG/KG	210	3300	270	UJ	H
073SB-0038M-0001-SO	BENZYL BUTYL PHTHALATE	270	UG/KG	100	710	270	UJ	H
073SB-0038M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	270	UG/KG	220	1000	270	UJ	H
073SB-0038M-0001-SO	BIS(2-CHLOROETHYL) ETHER	33	UG/KG	20	1000	33	UJ	H
073SB-0038M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	270	UG/KG	96	1000	270	UJ	H
073SB-0038M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	270	UG/KG	190	710	270	UJ	H
073SB-0038M-0001-SO	CARBAZOLE	270	UG/KG	270	500	270	UJ	H
073SB-0038M-0001-SO	CHRYSENE	33	UG/KG	11	67	33	UJ	H
073SB-0038M-0001-SO	CRESOLS, M & P	810	UG/KG	200	4000	810	UJ	H
073SB-0038M-0001-SO	DIBENZ(A,H)ANTHRACENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	DIBENZOFURAN	33	UG/KG	33	500	33	UJ	H
073SB-0038M-0001-SO	DIETHYL PHTHALATE	270	UG/KG	160	710	270	UJ	H
073SB-0038M-0001-SO	DIMETHYL PHTHALATE	270	UG/KG	170	710	270	UJ	H
073SB-0038M-0001-SO	DI-N-BUTYL PHTHALATE	270	UG/KG	150	710	270	UJ	H
073SB-0038M-0001-SO	DI-N-OCTYLPHTHALATE	270	UG/KG	270	710	270	UJ	H
073SB-0038M-0001-SO	FLUORANTHENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	FLUORENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	HEXACHLOROBENZENE	33	UG/KG	21	67	33	UJ	H
073SB-0038M-0001-SO	HEXACHLOROBUTADIENE	270	UG/KG	270	500	270	UJ	H
073SB-0038M-0001-SO	HEXACHLOROCYCLOPENTADIENE	270	UG/KG	270	3300	270	UJ	H
073SB-0038M-0001-SO	HEXACHLOROETHANE	270	UG/KG	91	500	270	UJ	H
073SB-0038M-0001-SO	INDENO(1,2,3-C,D)PYRENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	ISOPHORONE	270	UG/KG	130	500	270	UJ	H
073SB-0038M-0001-SO	NAPHTHALENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	NITROBENZENE	33	UG/KG	22	1000	33	UJ	H
073SB-0038M-0001-SO	N-NITROSODI-N-PROPYLAMINE	270	UG/KG	270	500	270	UJ	H
073SB-0038M-0001-SO	N-NITROSODIPHENYLAMINE	270	UG/KG	210	500	270	UJ	H
073SB-0038M-0001-SO	PENTACHLOROPHENOL	810	UG/KG	810	1500	810	UJ	H
073SB-0038M-0001-SO	PHENANTHRENE	33	UG/KG	33	67	33	UJ	H
073SB-0038M-0001-SO	PHENOL	270	UG/KG	270	500	270	UJ	H
073SB-0038M-0001-SO	PYRENE	33	UG/KG	33	67	33	UJ	H
073SD-0047-0001-SD	BIS(2-ETHYLHEXYL) PHTHALATE	160	UG/KG	29	75	41	U	B
073SD-0047-0001-SD	HEXACHLOROETHANE	41	UG/KG	14	75	41	UJ	C
073SS-0002M-0001-SO	ANTIMONY	0.13	MG/KG	0.052	0.17	0.13	R	B, Q
073SS-0002M-0001-SO	ARSENIC	9.4	MG/KG	0.044	0.42	0.13	J-	Q

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qualifier	Code
073SS-0002M-0001-SO	SELENIUM	0.47	MG/KG	0.017	0.42	0.05	J-	M, Q
073SS-0002M-0001-SO	THALLIUM	0.13	MG/KG	0.047	0.17	0.13	U	B
073SS-0002M-0001-SO	MERCURY	0.051	MG/KG	0.013	0.095	0.031	U	B
073SS-0002M-0001-SO	TOXAPHENE	410	UG/KG	390	1400	410	UJ	C
073SS-0002M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.67	UG/KG	0.45	6.7	0.67	UJ	I
073SS-0002M-0001-SO	TOLUENE	0.67	UG/KG	0.36	6.7	0.67	U	F
073SS-0002M-0001-SO	2,4-DINITROPHENOL	320	UG/KG	320	1300	320	UJ	C
073SS-0002M-0001-SO	2,4-DINITROTOLUENE	110	UG/KG	110	810	110	R	D
073SS-0002M-0001-SO	2,6-DINITROTOLUENE	110	UG/KG	85	810	110	R	D
073SS-0002M-0001-SO	3,3'-DICHLOROBENZIDINE	320	UG/KG	73	400	320	UJ	C
073SS-0002M-0001-SO	BENZO(G,H,I)PERYLENE	29	UG/KG	13	27	13	J	C
073SS-0002M-0001-SO	DIBENZ(A,H)ANTHRACENE	13	UG/KG	13	27	13	UJ	C
073SS-0002M-0001-SO	INDENO(1,2,3-C,D)PYRENE	54	UG/KG	13	27	13	J	C
073SS-0002M-0001-SO	2-NITROTOLUENE	0.049	MG/KG	0.013	0.25	0.049	UJ	C
073SS-0002M-0001-SO	NITROBENZENE	0.049	MG/KG	0.017	0.25	0.049	R	D
073SS-0002M-0001-SO	RDX	0.049	MG/KG	0.012	0.25	0.049	UJ	C
073SS-0002M-0001-SO	TETRYL	0.049	MG/KG	0.0098	0.25	0.049	U	B

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qualifier	Code
074SB-0002-0001-SO	2,4-DINITROPHENOL	94	UG/KG	94	390	94	UJ	C
074SB-0002-0001-SO	4,6-DINITRO-2-METHYLPHENOL	94	UG/KG	94	180	94	UJ	C
074SB-0002-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	32	UG/KG	22	82	32	U	B
074SB-0010-0001-SO	CADMIUM	0.2	MG/KG	0.016	0.12	0.035	J+	I
074SB-0010-0001-SO	SELENIUM	0.26	MG/KG	0.06	0.59	0.12	J+	I
074SB-0010-0001-SO	SILVER	0.037	MG/KG	0.013	0.12	0.035	J+	I
074SB-0010-0001-SO	MERCURY	0.039	MG/KG	0.017	0.12	0.039	UJ	C
074SB-0010-0001-SO	2-HEXANONE	0.93	UG/KG	0.58	19	0.93	UJ	S
074SB-0010-0001-SO	METHYL ETHYL KETONE	1.9	UG/KG	1.3	19	1.9	UJ	S
074SB-0010-0001-SO	METHYL ISOBUTYL KETONE	0.93	UG/KG	0.5	19	0.93	UJ	S
074SB-0010-0001-SO	1,2,4-TRICHLOROBENZENE	32	UG/KG	32	58	32	UJ	H
074SB-0010-0001-SO	1,2-DICHLOROBENZENE	32	UG/KG	11	58	32	UJ	H
074SB-0010-0001-SO	1,3-DICHLOROBENZENE	32	UG/KG	13	58	32	UJ	H
074SB-0010-0001-SO	1,4-DICHLOROBENZENE	32	UG/KG	23	58	32	UJ	H
074SB-0010-0001-SO	2,4,5-TRICHLOROPHENOL	32	UG/KG	29	180	32	UJ	H
074SB-0010-0001-SO	2,4,6-TRICHLOROPHENOL	93	UG/KG	93	180	93	UJ	H
074SB-0010-0001-SO	2,4-DICHLOROPHENOL	32	UG/KG	23	180	32	UJ	H
074SB-0010-0001-SO	2,4-DIMETHYLPHENOL	93	UG/KG	23	180	93	UJ	H
074SB-0010-0001-SO	2,4-DINITROPHENOL	93	UG/KG	93	390	93	UJ	H, C
074SB-0010-0001-SO	2,4-DINITROTOLUENE	32	UG/KG	32	230	32	UJ	H
074SB-0010-0001-SO	2,6-DINITROTOLUENE	32	UG/KG	25	230	32	UJ	H
074SB-0010-0001-SO	2-CHLORONAPHTHALENE	3.9	UG/KG	3.9	58	3.9	UJ	H
074SB-0010-0001-SO	2-CHLOROPHENOL	32	UG/KG	32	58	32	UJ	H
074SB-0010-0001-SO	2-METHYLNAPHTHALENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	2-METHYLPHENOL (O-CRESOL)	93	UG/KG	93	230	93	UJ	H
074SB-0010-0001-SO	2-NITROANILINE	32	UG/KG	11	230	32	UJ	H
074SB-0010-0001-SO	2-NITROPHENOL	32	UG/KG	32	58	32	UJ	H
074SB-0010-0001-SO	3,3'-DICHLOROBENZIDINE	93	UG/KG	21	120	93	UJ	H
074SB-0010-0001-SO	3-NITROANILINE	93	UG/KG	19	230	93	UJ	H
074SB-0010-0001-SO	4,6-DINITRO-2-METHYLPHENOL	93	UG/KG	93	180	93	UJ	H
074SB-0010-0001-SO	4-BROMOPHENYL PHENYL ETHER	32	UG/KG	15	58	32	UJ	H
074SB-0010-0001-SO	4-CHLORO-3-METHYLPHENOL	32	UG/KG	25	180	32	UJ	H
074SB-0010-0001-SO	4-CHLOROANILINE	32	UG/KG	20	180	32	UJ	H
074SB-0010-0001-SO	4-CHLOROPHENYL PHENYL ETHER	32	UG/KG	15	58	32	UJ	H
074SB-0010-0001-SO	4-NITROANILINE	32	UG/KG	30	230	32	UJ	H
074SB-0010-0001-SO	4-NITROPHENOL	93	UG/KG	93	390	93	UJ	H
074SB-0010-0001-SO	ACENAPHTHENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	ACENAPHTHYLENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	ANTHRACENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	BENZO(A)ANTHRACENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	BENZO(A)PYRENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	BENZO(B)FLUORANTHENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	BENZO(G,H,I)PERYLENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	BENZO(K)FLUORANTHENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	BENZOIC ACID	390	UG/KG	390	770	390	R	L
074SB-0010-0001-SO	BENZYL ALCOHOL	32	UG/KG	25	390	32	UJ	H
074SB-0010-0001-SO	BENZYL BUTYL PHTHALATE	32	UG/KG	12	82	32	UJ	H
074SB-0010-0001-SO	BIS(2-CHLOROETHOXY) METHANE	32	UG/KG	26	120	32	UJ	H
074SB-0010-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.9	UG/KG	2.3	120	3.9	UJ	H

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qualifier	Code
074SB-0010-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	32	UG/KG	11	120	32	UJ	H
074SB-0010-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	120	UG/KG	22	82	32	J	H
074SB-0010-0001-SO	CARBAZOLE	32	UG/KG	32	58	32	UJ	H
074SB-0010-0001-SO	CHRYSENE	3.9	UG/KG	1.3	7.8	3.9	UJ	H
074SB-0010-0001-SO	CRESOLS, M & P	93	UG/KG	23	470	93	UJ	H
074SB-0010-0001-SO	DIBENZ(A,H)ANTHRACENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	DIBENZOFURAN	3.9	UG/KG	3.9	58	3.9	UJ	H
074SB-0010-0001-SO	DIETHYL PHTHALATE	32	UG/KG	19	82	32	UJ	H
074SB-0010-0001-SO	DIMETHYL PHTHALATE	32	UG/KG	20	82	32	UJ	H
074SB-0010-0001-SO	DI-N-BUTYL PHTHALATE	32	UG/KG	18	82	32	UJ	H
074SB-0010-0001-SO	DI-N-OCTYLPHTHALATE	32	UG/KG	32	82	32	UJ	H
074SB-0010-0001-SO	FLUORANTHENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	FLUORENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	HEXACHLOROBENZENE	3.9	UG/KG	2.5	7.8	3.9	UJ	H
074SB-0010-0001-SO	HEXACHLOROBUTADIENE	32	UG/KG	32	58	32	UJ	H
074SB-0010-0001-SO	HEXACHLOROCYCLOPENTADIENE	32	UG/KG	32	390	32	UJ	H
074SB-0010-0001-SO	HEXACHLOROETHANE	32	UG/KG	11	58	32	UJ	H
074SB-0010-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	ISOPHORONE	32	UG/KG	15	58	32	UJ	H
074SB-0010-0001-SO	NAPHTHALENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	NITROBENZENE	3.9	UG/KG	2.6	120	3.9	UJ	H
074SB-0010-0001-SO	N-NITROSODI-N-PROPYLAMINE	32	UG/KG	32	58	32	UJ	H
074SB-0010-0001-SO	N-NITROSODIPHENYLAMINE	32	UG/KG	25	58	32	UJ	H
074SB-0010-0001-SO	PENTACHLOROPHENOL	93	UG/KG	93	180	93	UJ	H
074SB-0010-0001-SO	PHENANTHRENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	PHENOL	32	UG/KG	32	58	32	UJ	H
074SB-0010-0001-SO	PYRENE	3.9	UG/KG	3.9	7.8	3.9	UJ	H
074SB-0010-0001-SO	2,4-DINITROTOLUENE	0.05	MG/KG	0.0053	0.25	0.05	R	D
074SB-0010-0001-SO	2,6-DINITROTOLUENE	0.05	MG/KG	0.0072	0.25	0.05	R	D
074SB-0010-0001-SO	NITROBENZENE	0.05	MG/KG	0.017	0.25	0.05	R	D
074SB-0027-0001-SO	DI-N-BUTYL PHTHALATE	33	UG/KG	18	82	32	U	B

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Code
076SB-0094-0001-SO	ANTIMONY	0.23	MG/KG	0.18	0.089	J-	Q
076SB-0094-0001-SO	ARSENIC	17.0	MG/KG	0.089	0.045	J-	Q
076SB-0094-0001-SO	BARIUM	47.0	MG/KG	0.89	0.018	J	M
076SB-0094-0001-SO	BERYLLIUM	0.51	MG/KG	0.089	0.0089	J-	Q
076SB-0094-0001-SO	CADMIUM	0.13	MG/KG	0.089	0.027	J-	Q
076SB-0094-0001-SO	CALCIUM	970.0	MG/KG	8.9	2.2	J+	Q
076SB-0094-0001-SO	CHROMIUM	17.0	MG/KG	0.18	0.036	J-	Q
076SB-0094-0001-SO	COBALT	9.7	MG/KG	0.045	0.0089	J-	Q
076SB-0094-0001-SO	COPPER	17.0	MG/KG	0.18	0.054	J-	Q
076SB-0094-0001-SO	LEAD	24.0	MG/KG	0.089	0.027	J	E
076SB-0094-0001-SO	MANGANESE	380.0	MG/KG	0.45	0.027	J	E
076SB-0094-0001-SO	NICKEL	21.0	MG/KG	0.089	0.027	J-	Q
076SB-0094-0001-SO	POTASSIUM	790.0	MG/KG	8.9	5.4	J-	Q
076SB-0094-0001-SO	SELENIUM	0.47	MG/KG	0.45	0.089	J-	Q
076SB-0094-0001-SO	SILVER	0.025	MG/KG	0.089	0.027	J-	Q
076SB-0094-0001-SO	ZINC	63.0	MG/KG	0.45	0.18	J	A
076SB-0094-0001-SO	1,1,1-TRICHLOROETHANE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	1,1,2,2-TETRACHLOROETHANE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	1,1,2-TRICHLOROETHANE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	1,1-DICHLOROETHANE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	1,1-DICHLOROETHENE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	1,2-DIBROMOETHANE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	1,2-DICHLOROETHANE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	1,2-DICHLOROPROPANE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	2-HEXANONE	0	UG/KG	23	1.1	UJ	C, S
076SB-0094-0001-SO	ACETONE	0	UG/KG	23	7.2	UJ	S
076SB-0094-0001-SO	BENZENE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	BROMOCHLOROMETHANE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	BROMODICHLOROMETHANE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	BROMOFORM	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	BROMOMETHANE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	CARBON DISULFIDE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	CARBON TETRACHLORIDE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	CHLOROBENZENE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	CHLOROETHANE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	CHLOROFORM	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	CHLOROMETHANE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	CIS-1,3-DICHLOROPROPENE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	DIBROMOCHLOROMETHANE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	ETHYLBENZENE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	METHYL ETHYL KETONE	0	UG/KG	23	2.3	UJ	S
076SB-0094-0001-SO	METHYL ISOBUTYL KETONE	0	UG/KG	23	1.1	UJ	C, S
076SB-0094-0001-SO	METHYLENE CHLORIDE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	STYRENE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	TETRACHLOROETHYLENE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	TOLUENE	1.0	UG/KG	5.7	0.57	J	S

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Code
076SB-0094-0001-SO	TOTAL 1,2-DICHLOROETHENE	0	UG/KG	11	1.1	UJ	S
076SB-0094-0001-SO	TRANS-1,3-DICHLOROPROPENE	0	UG/KG	5.7	1.1	UJ	S
076SB-0094-0001-SO	TRICHLOROETHYLENE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	VINYL CHLORIDE	0	UG/KG	5.7	0.57	UJ	S
076SB-0094-0001-SO	XYLENES, TOTAL	0	UG/KG	11	1.7	UJ	S
076SB-0094-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27.0	UG/KG	50	27	U	B
076SB-0096-0001-SO	ANTIMONY	0.11	MG/KG	0.14	0.070	J-	Q
076SB-0096-0001-SO	ARSENIC	13.0	MG/KG	0.070	0.035	J-	Q
076SB-0096-0001-SO	BARIUM	29.0	MG/KG	0.70	0.014	J	M
076SB-0096-0001-SO	BERYLLIUM	0.42	MG/KG	0.070	0.0070	J-	Q
076SB-0096-0001-SO	CADMIUM	0.19	MG/KG	0.070	0.021	J-	Q
076SB-0096-0001-SO	CALCIUM	700.0	MG/KG	7.0	1.8	J+	Q
076SB-0096-0001-SO	CHROMIUM	14.0	MG/KG	0.14	0.028	J-	Q
076SB-0096-0001-SO	COBALT	8.3	MG/KG	0.035	0.0070	J-	Q
076SB-0096-0001-SO	COPPER	17.0	MG/KG	0.14	0.042	J-	Q
076SB-0096-0001-SO	LEAD	14.0	MG/KG	0.070	0.021	J	E
076SB-0096-0001-SO	MANGANESE	510.0	MG/KG	0.35	0.021	J	E
076SB-0096-0001-SO	NICKEL	21.0	MG/KG	0.070	0.021	J-	Q
076SB-0096-0001-SO	POTASSIUM	810.0	MG/KG	7.0	4.2	J-	Q
076SB-0096-0001-SO	SELENIUM	0.32	MG/KG	0.35	0.070	J-	Q
076SB-0096-0001-SO	SILVER	0.019	MG/KG	0.070	0.021	J-	Q
076SB-0096-0001-SO	ZINC	62.0	MG/KG	0.35	0.14	J	A
076SB-0096-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27.0	UG/KG	50	27	U	B
076SB-0102M-0001-SO	ANTIMONY	0.12	MG/KG	0.15	0.076	J-	Q
076SB-0102M-0001-SO	ARSENIC	15.0	MG/KG	0.076	0.038	J-	Q
076SB-0102M-0001-SO	BARIUM	34.0	MG/KG	0.76	0.015	J	M
076SB-0102M-0001-SO	BERYLLIUM	0.53	MG/KG	0.076	0.0076	J-	Q
076SB-0102M-0001-SO	CADMIUM	0.19	MG/KG	0.076	0.023	J-	Q
076SB-0102M-0001-SO	CALCIUM	680.0	MG/KG	7.6	1.9	J+	Q
076SB-0102M-0001-SO	CHROMIUM	22.0	MG/KG	0.15	0.030	J-	Q
076SB-0102M-0001-SO	COBALT	9.2	MG/KG	0.038	0.0076	J-	Q
076SB-0102M-0001-SO	COPPER	16.0	MG/KG	0.15	0.045	J-	Q
076SB-0102M-0001-SO	LEAD	15.0	MG/KG	0.076	0.023	J	E
076SB-0102M-0001-SO	MANGANESE	430.0	MG/KG	0.38	0.023	J	E
076SB-0102M-0001-SO	NICKEL	23.0	MG/KG	0.076	0.023	J-	Q
076SB-0102M-0001-SO	POTASSIUM	840.0	MG/KG	7.6	4.5	J-	Q
076SB-0102M-0001-SO	SELENIUM	0.29	MG/KG	0.38	0.076	J-	Q
076SB-0102M-0001-SO	SILVER	0.02	MG/KG	0.076	0.023	J-	Q
076SB-0102M-0001-SO	ZINC	75.0	MG/KG	0.38	0.15	J	A
076SB-0102M-0001-SO	2-HEXANONE	0	UG/KG	22	1.1	UJ	C
076SB-0102M-0001-SO	METHYL ISOBUTYL KETONE	0	UG/KG	22	1.1	UJ	C
076SB-0102M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27.0	UG/KG	50	27	U	B
076SB-0102M-0001-SO	N-NITROSODIPHENYLAMINE	0	UG/KG	50	27	R	C
076SB-0102M-0001-SO	2,4-DINITROTOLUENE	0	MG/KG	0.25	0.050	R	D
076SB-0102M-0001-SO	2,6-DINITROTOLUENE	0	MG/KG	0.25	0.050	R	D
076SB-0102M-0001-SO	2-NITROTOLUENE	0	MG/KG	0.25	0.050	UJ	C

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Code
076SB-0102M-0001-SO	NITROBENZENE	0	MG/KG	0.25	0.050	R	D
076SB-0102M-0001-SO	RDX	0	MG/KG	0.25	0.050	UJ	C
076SB-0114M-0001-SO	ANTIMONY	0.088	MG/KG	0.18	0.091	J-	Q
076SB-0114M-0001-SO	ARSENIC	13.0	MG/KG	0.091	0.045	J-	Q
076SB-0114M-0001-SO	BARIUM	36.0	MG/KG	0.91	0.018	J	M
076SB-0114M-0001-SO	BERYLLIUM	0.35	MG/KG	0.091	0.0091	J-	Q
076SB-0114M-0001-SO	CADMIUM	0.15	MG/KG	0.091	0.027	J-	Q
076SB-0114M-0001-SO	CALCIUM	530.0	MG/KG	9.1	2.3	J+	Q
076SB-0114M-0001-SO	CHROMIUM	12.0	MG/KG	0.18	0.036	J-	Q
076SB-0114M-0001-SO	COBALT	8.0	MG/KG	0.045	0.0091	J-	Q
076SB-0114M-0001-SO	COPPER	16.0	MG/KG	0.18	0.055	J-	Q
076SB-0114M-0001-SO	LEAD	11.0	MG/KG	0.091	0.027	J	E
076SB-0114M-0001-SO	MANGANESE	420.0	MG/KG	0.45	0.027	J	E
076SB-0114M-0001-SO	NICKEL	17.0	MG/KG	0.091	0.027	J-	Q
076SB-0114M-0001-SO	POTASSIUM	550.0	MG/KG	9.1	5.5	J-	Q
076SB-0114M-0001-SO	SELENIUM	0.51	MG/KG	0.45	0.091	J-	Q
076SB-0114M-0001-SO	SILVER	0.019	MG/KG	0.091	0.027	J-	Q
076SB-0114M-0001-SO	ZINC	54.0	MG/KG	0.45	0.18	J	A
076SB-0114M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27.0	UG/KG	50	27	U	B
076SB-0114M-0001-SO	N-NITROSODIPHENYLAMINE	0	UG/KG	50	27	R	C
076SB-0114M-0001-SO	2,4-DINITROTOLUENE	0	MG/KG	0.25	0.050	R	D
076SB-0114M-0001-SO	2,6-DINITROTOLUENE	0	MG/KG	0.25	0.050	R	D
076SB-0114M-0001-SO	2-NITROTOLUENE	0	MG/KG	0.25	0.050	UJ	C
076SB-0114M-0001-SO	NITROBENZENE	0	MG/KG	0.25	0.050	R	D
076SB-0114M-0001-SO	RDX	0	MG/KG	0.25	0.050	UJ	C
076SD-0009-0001-SO	ANTIMONY	0	MG/KG	0.96	0.72	R	Q
076SD-0009-0001-SO	CALCIUM	1800.0	MG/KG	190	96	J+	Q
076SD-0009-0001-SO	CHROMIUM	44.0	MG/KG	0.48	0.43	J	E
076SD-0009-0001-SO	NICKEL	30.0	MG/KG	0.48	0.24	J	Q
076SD-0009-0001-SO	POTASSIUM	590.0	MG/KG	96	9.6	J+	Q
076SD-0009-0001-SO	SELENIUM	0.52	MG/KG	0.48	0.058	J	M
076SD-0009-0001-SO	VANADIUM	14.0	MG/KG	0.48	0.096	J+	Q
076SD-0009-0001-SO	MERCURY	0.053	MG/KG	0.095	0.031	U	B
076SD-0009-0001-SO	2,4-DINITROPHENOL	0	UG/KG	330	81	UJ	C
076SD-0009-0001-SO	3,3'-DICHLOROBENZIDINE	0	UG/KG	100	81	R	Q
076SD-0009-0001-SO	3-NITROANILINE	0	UG/KG	200	81	R	Q
076SD-0009-0001-SO	4-BROMOPHENYL PHENYL ETHER	0	UG/KG	51	27	UJ	C
076SD-0009-0001-SO	4-CHLOROANILINE	0	UG/KG	150	27	UJ	Q
076SD-0009-0001-SO	4-NITROANILINE	0	UG/KG	200	27	R	Q
076SD-0009-0001-SO	BENZO(G,H,I)PERYLENE	39.0	UG/KG	6.8	3.3	J	Q
076SD-0009-0001-SO	BENZOIC ACID	0	UG/KG	670	340	UJ	C
076SD-0009-0001-SO	HEXACHLOROETHANE	0	UG/KG	51	27	UJ	C, Q
076SD-0009-0001-SO	PENTACHLOROPHENOL	0	UG/KG	150	81	UJ	C
076SS-0020M-0001-SO	ANTIMONY	0.17	MG/KG	0.19	0.14	J-	Q
076SS-0020M-0001-SO	ARSENIC	11.0	MG/KG	0.46	0.14	J-	Q
076SS-0020M-0001-SO	SELENIUM	0.6	MG/KG	0.46	0.056	J-	M, Q

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Code
076SS-0020M-0001-SO	SODIUM	37	MG/KG	93	37	U	F
076SS-0020M-0001-SO	THALLIUM	0.21	MG/KG	0.19	0.14	UJ	C, F
076SS-0020M-0001-SO	MERCURY	0.077	MG/KG	0.10	0.033	U	B
076SS-0020M-0001-SO	TOXAPHENE	0	UG/KG	340	100	UJ	C
076SS-0020M-0001-SO	ACETONE	26.0	UG/KG	23	7.3	U	B
076SS-0020M-0001-SO	3,3'-DICHLOROBENZIDINE	0	UG/KG	98	79	R	Q
076SS-0020M-0001-SO	3-NITROANILINE	0	UG/KG	200	79	R	Q
076SS-0020M-0001-SO	4-CHLOROANILINE	0	UG/KG	150	27	UJ	Q
076SS-0020M-0001-SO	4-NITROANILINE	0	UG/KG	200	27	UJ	Q
076SS-0020M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	36.0	UG/KG	49	27	U	B
076SS-0020M-0001-SO	DIETHYL PHTHALATE	21.0	UG/KG	49	27	U	B
076SS-0020M-0001-SO	2,4-DINITROTOLUENE	0	MG/KG	0.25	0.050	R	D
076SS-0020M-0001-SO	2,6-DINITROTOLUENE	0	MG/KG	0.25	0.050	R	D
076SS-0020M-0001-SO	2-NITROTOLUENE	0	MG/KG	0.25	0.050	UJ	C
076SS-0020M-0001-SO	NITROBENZENE	0	MG/KG	0.25	0.050	R	D
076SS-0020M-0001-SO	RDX	0	MG/KG	0.25	0.050	UJ	C
076SS-0020M-0001-SO	TETRYL	0.041	MG/KG	0.25	0.050	NJ	*III

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qualifier	Code
078SB-0008M-0001-SO	ANTIMONY	0.097	MG/KG	0.046	0.2	0.1	J-	Q
078SB-0008M-0001-SO	ARSENIC	4.7	MG/KG	0.018	0.1	0.05	J-	Q
078SB-0008M-0001-SO	MANGANESE	280	MG/KG	0.016	0.5	0.03	J+	Q
078SB-0008M-0001-SO	SELENIUM	0.12	MG/KG	0.051	0.5	0.1	J-	Q
078SB-0008M-0001-SO	PCB-1221	25	UG/KG	16	50	25	UJ	C
078SB-0008M-0001-SO	1,1,1-TRICHLOROETHANE	1.1	UG/KG	0.62	5.5	1.1	UJ	S
078SB-0008M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.55	UG/KG	0.38	5.5	0.55	UJ	S
078SB-0008M-0001-SO	1,1,2-TRICHLOROETHANE	0.55	UG/KG	0.43	5.5	0.55	UJ	S
078SB-0008M-0001-SO	1,1-DICHLOROETHANE	0.55	UG/KG	0.4	5.5	0.55	UJ	S
078SB-0008M-0001-SO	1,1-DICHLOROETHENE	1.1	UG/KG	0.57	5.5	1.1	UJ	S
078SB-0008M-0001-SO	1,2-DIBROMOETHANE	1.1	UG/KG	0.55	5.5	1.1	UJ	S
078SB-0008M-0001-SO	1,2-DICHLOROETHANE	0.55	UG/KG	0.38	5.5	0.55	UJ	S
078SB-0008M-0001-SO	1,2-DICHLOROPROPANE	1.1	UG/KG	0.76	5.5	1.1	UJ	S
078SB-0008M-0001-SO	2-HEXANONE	1.1	UG/KG	0.7	22	1.1	UJ	S
078SB-0008M-0001-SO	ACETONE	7	UG/KG	7	22	7	UJ	S
078SB-0008M-0001-SO	BENZENE	0.55	UG/KG	0.25	5.5	0.55	UJ	S
078SB-0008M-0001-SO	BROMOCHLOROMETHANE	1.1	UG/KG	0.78	5.5	1.1	UJ	S
078SB-0008M-0001-SO	BROMODICHLOROMETHANE	0.55	UG/KG	0.31	5.5	0.55	UJ	S
078SB-0008M-0001-SO	BROMOFORM	0.55	UG/KG	0.36	5.5	0.55	UJ	S
078SB-0008M-0001-SO	BROMOMETHANE	1.1	UG/KG	0.6	5.5	1.1	UJ	S
078SB-0008M-0001-SO	CARBON DISULFIDE	0.55	UG/KG	0.49	5.5	0.55	UJ	S
078SB-0008M-0001-SO	CARBON TETRACHLORIDE	0.55	UG/KG	0.41	5.5	0.55	UJ	S
078SB-0008M-0001-SO	CHLOROBENZENE	0.55	UG/KG	0.36	5.5	0.55	UJ	S
078SB-0008M-0001-SO	CHLOROETHANE	1.1	UG/KG	0.95	5.5	1.1	UJ	S
078SB-0008M-0001-SO	CHLOROFORM	0.55	UG/KG	0.32	5.5	0.55	UJ	S
078SB-0008M-0001-SO	CHLOROMETHANE	0.55	UG/KG	0.45	5.5	0.55	UJ	S
078SB-0008M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.55	UG/KG	0.38	5.5	0.55	UJ	S
078SB-0008M-0001-SO	DIBROMOCHLOROMETHANE	1.1	UG/KG	0.61	5.5	1.1	UJ	S
078SB-0008M-0001-SO	ETHYLBENZENE	0.55	UG/KG	0.29	5.5	0.55	UJ	S
078SB-0008M-0001-SO	METHYL ETHYL KETONE	2.2	UG/KG	1.5	22	2.2	UJ	S
078SB-0008M-0001-SO	METHYL ISOBUTYL KETONE	1.1	UG/KG	0.6	22	1.1	UJ	S
078SB-0008M-0001-SO	METHYLENE CHLORIDE	2.0	UG/KG	0.74	5.5	1.1	UJ	B, S
078SB-0008M-0001-SO	STYRENE	0.55	UG/KG	0.17	5.5	0.55	UJ	S
078SB-0008M-0001-SO	TETRACHLOROETHYLENE	1.1	UG/KG	0.57	5.5	1.1	UJ	S
078SB-0008M-0001-SO	TOLUENE	0.3	UG/KG	0.3	5.5	0.55	J	S
078SB-0008M-0001-SO	TOTAL 1,2-DICHLOROETHENE	1.1	UG/KG	0.85	11	1.1	UJ	S
078SB-0008M-0001-SO	TRANS-1,3-DICHLOROPROPENE	1.1	UG/KG	0.6	5.5	1.1	UJ	S
078SB-0008M-0001-SO	TRICHLOROETHYLENE	0.55	UG/KG	0.46	5.5	0.55	UJ	S
078SB-0008M-0001-SO	VINYL CHLORIDE	0.55	UG/KG	0.43	5.5	0.55	UJ	S
078SB-0008M-0001-SO	XYLENES, TOTAL	1.7	UG/KG	0.74	11	1.7	UJ	S
078SB-0008M-0001-SO	2,4-DINITROPHENOL	79	UG/KG	79	330	79	UJ	C
078SB-0008M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	79	UG/KG	79	150	79	UJ	C
078SB-0008M-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	3.3	6.6	3.3	UJ	C
078SB-0008M-0001-SO	HEXACHLOROETHANE	27	UG/KG	8.9	50	27	UJ	C
078SB-0016M-0001-SO	ANTIMONY	0.31	MG/KG	0.041	0.18	0.09	J-	Q
078SB-0016M-0001-SO	ARSENIC	0.94	MG/KG	0.016	0.09	0.045	J-	Q
078SB-0016M-0001-SO	MANGANESE	160	MG/KG	0.014	0.45	0.027	J+	Q
078SB-0016M-0001-SO	SELENIUM	0.09	MG/KG	0.046	0.45	0.09	UJ	Q
078SB-0016M-0001-SO	4,4'-DDD	0.67	UG/KG	0.62	2	0.67	UJ	C

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qualifier	Code
078SB-0016M-0001-SO	TOXAPHENE	20	UG/KG	19	67	20	UJ	C
078SB-0016M-0001-SO	METHYLENE CHLORIDE	1.4	UG/KG	0.64	4.8	0.95	U	B
078SB-0016M-0001-SO	2,4-DINITROPHENOL	80	UG/KG	80	330	80	UJ	C
078SB-0016M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	80	UG/KG	80	150	80	UJ	C
078SB-0016M-0001-SO	BENZO(G,H,I)PERYLENE	7.6	UG/KG	3.3	6.6	3.3	J	C
078SB-0016M-0001-SO	HEXACHLOROETHANE	27	UG/KG	9	50	27	UJ	C
078SB-0016M-0001-SO	2,4-DINITROTOLUENE	0.05	MG/KG	0.0053	0.25	0.05	R	D
078SB-0016M-0001-SO	2,6-DINITROTOLUENE	0.05	MG/KG	0.0073	0.25	0.05	R	D
078SB-0016M-0001-SO	NITROBENZENE	0.05	MG/KG	0.018	0.25	0.05	R	D

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qualifier	Code
079SB-0217M-0001-SO	ANTIMONY	0.053	MG/KG	0.043	0.19	0.094	J-	Q
079SB-0217M-0001-SO	ARSENIC	6.6	MG/KG	0.017	0.094	0.047	J-	Q
079SB-0217M-0001-SO	BARIUM	36	MG/KG	0.01	0.94	0.019	J-	E, Q
079SB-0217M-0001-SO	COPPER	11	MG/KG	0.031	0.19	0.057	J-	Q
079SB-0217M-0001-SO	LEAD	8.6	MG/KG	0.015	0.094	0.028	J	E
079SB-0217M-0001-SO	MANGANESE	490	MG/KG	0.015	0.47	0.028	J	E
079SB-0217M-0001-SO	NICKEL	15	MG/KG	0.011	0.094	0.028	J-	Q
079SB-0217M-0001-SO	SELENIUM	0.21	MG/KG	0.048	0.47	0.094	J-	Q
079SB-0217M-0001-SO	SODIUM	32	MG/KG	2.5	9.4	4.7	J	E
079SB-0217M-0001-SO	THALLIUM	0.12	MG/KG	0.0096	0.094	0.019	J	E
079SB-0217M-0001-SO	ZINC	46	MG/KG	0.061	0.47	0.19	J-	Q, A
079SB-0234M-0001-SO	ANTIMONY	0.099	MG/KG	0.045	0.2	0.099	R	Q
079SB-0234M-0001-SO	ARSENIC	9.9	MG/KG	0.018	0.099	0.05	J-	Q
079SB-0234M-0001-SO	BARIUM	81	MG/KG	0.011	0.99	0.02	J-	E, Q
079SB-0234M-0001-SO	COPPER	17	MG/KG	0.033	0.2	0.059	J-	Q
079SB-0234M-0001-SO	LEAD	14	MG/KG	0.015	0.099	0.03	J	E
079SB-0234M-0001-SO	MANGANESE	490	MG/KG	0.016	0.5	0.03	J	E
079SB-0234M-0001-SO	NICKEL	28	MG/KG	0.011	0.099	0.03	J-	Q
079SB-0234M-0001-SO	SELENIUM	0.23	MG/KG	0.05	0.5	0.099	J-	Q
079SB-0234M-0001-SO	SODIUM	120	MG/KG	2.6	9.9	5	J	E
079SB-0234M-0001-SO	THALLIUM	0.15	MG/KG	0.01	0.099	0.02	J	E
079SB-0234M-0001-SO	ZINC	53	MG/KG	0.064	0.5	0.2	J-	Q, A
079SB-0236M-0001-SO	ANTIMONY	0.1	MG/KG	0.046	0.2	0.1	R	Q
079SB-0236M-0001-SO	ARSENIC	11	MG/KG	0.018	0.1	0.05	J-	Q
079SB-0236M-0001-SO	BARIUM	100	MG/KG	0.011	1	0.02	J-	E, Q
079SB-0236M-0001-SO	COPPER	7.2	MG/KG	0.033	0.2	0.06	J-	Q
079SB-0236M-0001-SO	LEAD	6.4	MG/KG	0.015	0.1	0.03	J	E
079SB-0236M-0001-SO	MANGANESE	2500	MG/KG	0.16	5	0.3	J	E
079SB-0236M-0001-SO	NICKEL	14	MG/KG	0.011	0.1	0.03	J-	Q
079SB-0236M-0001-SO	SELENIUM	0.12	MG/KG	0.051	0.5	0.1	J-	Q
079SB-0236M-0001-SO	SODIUM	48	MG/KG	2.7	10	5	J	E
079SB-0236M-0001-SO	THALLIUM	0.18	MG/KG	0.01	0.1	0.02	J	E
079SB-0236M-0001-SO	ZINC	24	MG/KG	0.065	0.5	0.2	J-	Q, A
079SB-0245M-0001-SO	ANTIMONY	0.097	MG/KG	0.045	0.19	0.097	UJ	Q
079SB-0245M-0001-SO	ARSENIC	5	MG/KG	0.018	0.097	0.049	J-	Q, A
079SB-0245M-0001-SO	SELENIUM	0.067	MG/KG	0.049	0.49	0.097	J-	B, Q
079SB-0245M-0001-SO	ZINC	19	MG/KG	0.063	0.49	0.19	J-	Q, A
079SB-0247M-0001-SO	ANTIMONY	0.19	MG/KG	0.045	0.2	0.098	J-	Q
079SB-0247M-0001-SO	ARSENIC	4.7	MG/KG	0.018	0.098	0.049	J-	Q, A
079SB-0247M-0001-SO	SELENIUM	0.098	MG/KG	0.05	0.49	0.098	UJ	B, Q
079SB-0247M-0001-SO	ZINC	21	MG/KG	0.064	0.49	0.2	J-	Q, A
079SB-0252M-0001-SO	ANTIMONY	0.097	MG/KG	0.045	0.19	0.097	UJ	Q
079SB-0252M-0001-SO	ARSENIC	12	MG/KG	0.018	0.097	0.049	J-	Q, A
079SB-0252M-0001-SO	SELENIUM	0.07	MG/KG	0.049	0.49	0.097	J-	B, Q
079SB-0252M-0001-SO	SODIUM	23	MG/KG	2.6	9.7	4.9	U	B
079SB-0252M-0001-SO	ZINC	22	MG/KG	0.063	0.49	0.19	J-	Q, A
079SB-0267M-0001-SO	ANTIMONY	0.099	MG/KG	0.045	0.2	0.099	UJ	Q
079SB-0267M-0001-SO	ARSENIC	51	MG/KG	0.018	0.099	0.05	J-	Q, A
079SB-0267M-0001-SO	SELENIUM	0.22	MG/KG	0.05	0.5	0.099	J-	B, Q

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qualifier	Code
079SB-0267M-0001-SO	ZINC	36	MG/KG	0.064	0.5	0.2	J-	Q, A
079SB-0269M-0001-SO	ANTIMONY	0.099	MG/KG	0.045	0.2	0.099	UJ	Q
079SB-0269M-0001-SO	ARSENIC	27	MG/KG	0.018	0.099	0.05	J-	Q, A
079SB-0269M-0001-SO	SELENIUM	0.099	MG/KG	0.05	0.5	0.099	UJ	B, Q
079SB-0269M-0001-SO	ZINC	17	MG/KG	0.064	0.5	0.2	J-	Q, A
079SB-0272M-0001-SO	ANTIMONY	0.18	MG/KG	0.046	0.2	0.1	J-	Q
079SB-0272M-0001-SO	ARSENIC	8.8	MG/KG	0.018	0.1	0.05	J-	Q, A
079SB-0272M-0001-SO	SELENIUM	0.1	MG/KG	0.051	0.5	0.1	UJ	B, Q
079SB-0272M-0001-SO	ZINC	56	MG/KG	0.065	0.5	0.2	J-	Q, A
079SD-0305-0001-SD	ANTIMONY	0.14	MG/KG	0.076	0.33	0.17	J-	Q
079SD-0305-0001-SD	BARIUM	71	MG/KG	0.018	1.7	0.033	J	M
079SD-0305-0001-SD	CALCIUM	2400	MG/KG	2.2	17	4.1	J	E
079SD-0305-0001-SD	SELENIUM	0.61	MG/KG	0.084	0.83	0.17	J-	B
079SW-0311-0001-SW	LEAD	0.3	UG/L	0.15	1	0.3	U	B
079SW-0311-0001-SW	TOXAPHENE	0.53	UG/L	0.34	2.1	0.53	UJ	C
079SW-0311-0001-SW	PCB-1221	0.21	UG/L	0.14	0.53	0.21	UJ	C
079SW-0311-0001-SW	ACETONE	1.2	UG/L	1.1	10	1.1	J	C
079SW-0311-0001-SW	2,4-DINITROTOLUENE	0.85	UG/L	0.29	5.3	0.85	R	D
079SW-0311-0001-SW	2,6-DINITROTOLUENE	0.85	UG/L	0.85	5.3	0.85	R	D
079SW-0311-0001-SW	1,3,5-TRINITROBENZENE	2.2	UG/L	2.2	2.2	2.2	U	$
079SW-0311-0001-SW	1,3-DINITROBENZENE	1.1	UG/L	1.1	1.1	1.1	U	$
079SW-0311-0001-SW	2,4,6-TRINITROTOLUENE	1.1	UG/L	1.1	1.1	1.1	U	$
079SW-0311-0001-SW	2-AMINO-4,6-DINITROTOLUENE	1.1	UG/L	1.1	1.1	1.1	U	$
079SW-0311-0001-SW	4-AMINO-2,6-DINITROTOLUENE	1.1	UG/L	1.1	1.1	1.1	U	$
079SW-0311-0001-SW	HMX	1.1	UG/L	1.1	1.1	1.1	U	$
079SW-0311-0001-SW	NITROBENZENE	2.2	UG/L	2.2	2.2	2.2	R	D, $
079SW-0311-0001-SW	NITROGLYCERIN	4.4	UG/L	4.4	4.4	4.4	U	$
079SW-0311-0001-SW	RDX	2.2	UG/L	2.2	2.2	2.2	U	$
079SW-0311-0001-SW	TETRYL	1.1	UG/L	1.1	1.1	1.1	U	$

APPENDIX C

Primary/Field Duplicate Sample Comparisons

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SS-0003M-0001-SO	NITROCELLULOSE	0.88	MG/KG	4.8	1.8	J	068SS-0004M-0001-SO	1.8	5	1.8	U	N/A	Yes
068SB-0019M-0001-SO	ALUMINUM	11000	MG/KG	3	0.59		068SB-0022M-0001-SO	11000	2.9	0.58		0	N/A
068SB-0019M-0001-SO	ANTIMONY	0.099	MG/KG	0.2	0.099	U	068SB-0022M-0001-SO	0.097	0.19	0.097	U	N/A	Yes
068SB-0019M-0001-SO	ARSENIC	11	MG/KG	0.099	0.05		068SB-0022M-0001-SO	11	0.097	0.049		0	N/A
068SB-0019M-0001-SO	BARIUM	74	MG/KG	0.99	0.02		068SB-0022M-0001-SO	61	0.97	0.019		19	N/A
068SB-0019M-0001-SO	BERYLLIUM	0.57	MG/KG	0.099	0.0099		068SB-0022M-0001-SO	0.56	0.097	0.0097		2	N/A
068SB-0019M-0001-SO	CADMIUM	0.23	MG/KG	0.099	0.03		068SB-0022M-0001-SO	0.19	0.097	0.029		N/A	Yes
068SB-0019M-0001-SO	CALCIUM	25000	MG/KG	9.9	2.5		068SB-0022M-0001-SO	26000	9.7	2.4		4	N/A
068SB-0019M-0001-SO	CHROMIUM	18	MG/KG	0.2	0.04		068SB-0022M-0001-SO	17	0.19	0.039		6	N/A
068SB-0019M-0001-SO	COBALT	12	MG/KG	0.05	0.0099		068SB-0022M-0001-SO	13	0.049	0.0097		8	N/A
068SB-0019M-0001-SO	COPPER	20	MG/KG	0.2	0.059		068SB-0022M-0001-SO	19	0.19	0.058		5	N/A
068SB-0019M-0001-SO	IRON	26000	MG/KG	5	2		068SB-0022M-0001-SO	25000	4.9	1.9		4	N/A
068SB-0019M-0001-SO	LEAD	12	MG/KG	0.099	0.03		068SB-0022M-0001-SO	11	0.097	0.029		9	N/A
068SB-0019M-0001-SO	MAGNESIUM	7400	MG/KG	9.9	2		068SB-0022M-0001-SO	7400	9.7	1.9		0	N/A
068SB-0019M-0001-SO	MANGANESE	360	MG/KG	0.5	0.03		068SB-0022M-0001-SO	380	0.49	0.029		5	N/A
068SB-0019M-0001-SO	NICKEL	29	MG/KG	0.099	0.03		068SB-0022M-0001-SO	29	0.097	0.029		0	N/A
068SB-0019M-0001-SO	POTASSIUM	1500	MG/KG	9.9	5.9		068SB-0022M-0001-SO	1400	9.7	5.8		7	N/A
068SB-0019M-0001-SO	SELENIUM	0.31	MG/KG	0.5	0.099	J	068SB-0022M-0001-SO	0.28	0.49	0.097	J	N/A	Yes
068SB-0019M-0001-SO	SILVER	0.04	MG/KG	0.099	0.03	J	068SB-0022M-0001-SO	0.037	0.097	0.029	J	N/A	Yes
068SB-0019M-0001-SO	SODIUM	120	MG/KG	9.9	5		068SB-0022M-0001-SO	120	9.7	4.9		0	N/A
068SB-0019M-0001-SO	THALLIUM	0.16	MG/KG	0.099	0.02		068SB-0022M-0001-SO	0.16	0.097	0.019		N/A	Yes
068SB-0019M-0001-SO	VANADIUM	18	MG/KG	0.099	0.059		068SB-0022M-0001-SO	18	0.097	0.058		0	N/A
068SB-0019M-0001-SO	ZINC	49	MG/KG	0.5	0.2		068SB-0022M-0001-SO	48	0.49	0.19		2	N/A
068SB-0035M-0001-SO	ALUMINUM	12000	MG/KG	2.7	0.54		068SB-0036M-0001-SO	11000	2.9	0.58		9	N/A
068SB-0035M-0001-SO	ANTIMONY	0.09	MG/KG	0.18	0.09	U	068SB-0036M-0001-SO	0.096	0.19	0.096	U	N/A	Yes
068SB-0035M-0001-SO	ARSENIC	11	MG/KG	0.09	0.045		068SB-0036M-0001-SO	9.4	0.096	0.048		16	N/A
068SB-0035M-0001-SO	BARIUM	64	MG/KG	0.9	0.018		068SB-0036M-0001-SO	63	0.96	0.019		2	N/A
068SB-0035M-0001-SO	BERYLLIUM	0.56	MG/KG	0.09	0.009		068SB-0036M-0001-SO	0.55	0.096	0.0096		2	N/A
068SB-0035M-0001-SO	CADMIUM	0.14	MG/KG	0.09	0.027		068SB-0036M-0001-SO	0.16	0.096	0.029		N/A	Yes
068SB-0035M-0001-SO	CALCIUM	2300	MG/KG	9	2.3		068SB-0036M-0001-SO	1900	9.6	2.4		19	N/A
068SB-0035M-0001-SO	CHROMIUM	16	MG/KG	0.18	0.036		068SB-0036M-0001-SO	15	0.19	0.038		6	N/A
068SB-0035M-0001-SO	COBALT	10	MG/KG	0.045	0.009		068SB-0036M-0001-SO	16	0.048	0.0096		46	N/A
068SB-0035M-0001-SO	COPPER	19	MG/KG	0.18	0.054		068SB-0036M-0001-SO	16	0.19	0.058		17	N/A
068SB-0035M-0001-SO	IRON	26000	MG/KG	4.5	1.8		068SB-0036M-0001-SO	24000	4.8	1.9		8	N/A
068SB-0035M-0001-SO	LEAD	13	MG/KG	0.09	0.027		068SB-0036M-0001-SO	15	0.096	0.029		14	N/A
068SB-0035M-0001-SO	MAGNESIUM	3300	MG/KG	9	1.8		068SB-0036M-0001-SO	2900	9.6	1.9		13	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SB-0035M-0001-SO	MANGANESE	360	MG/KG	0.45	0.027		068SB-0036M-0001-SO	620	0.48	0.029		53	N/A
068SB-0035M-0001-SO	NICKEL	24	MG/KG	0.09	0.027		068SB-0036M-0001-SO	22	0.096	0.029		9	N/A
068SB-0035M-0001-SO	POTASSIUM	1200	MG/KG	9	5.4		068SB-0036M-0001-SO	1100	9.6	5.8		9	N/A
068SB-0035M-0001-SO	SELENIUM	0.29	MG/KG	0.45	0.09	J	068SB-0036M-0001-SO	0.35	0.48	0.096	J	N/A	Yes
068SB-0035M-0001-SO	SILVER	0.031	MG/KG	0.09	0.027	J	068SB-0036M-0001-SO	0.028	0.096	0.029	J	N/A	Yes
068SB-0035M-0001-SO	SODIUM	41	MG/KG	9	4.5		068SB-0036M-0001-SO	38	9.6	4.8		N/A	Yes
068SB-0035M-0001-SO	THALLIUM	0.16	MG/KG	0.09	0.018		068SB-0036M-0001-SO	0.15	0.096	0.019		N/A	Yes
068SB-0035M-0001-SO	VANADIUM	18	MG/KG	0.09	0.054		068SB-0036M-0001-SO	19	0.096	0.058		5	N/A
068SB-0035M-0001-SO	ZINC	53	MG/KG	0.45	0.18		068SB-0036M-0001-SO	55	0.48	0.19		4	N/A
068SB-0054M-0001-SO	ALUMINUM	8400	MG/KG	2.9	0.58		068SB-0053M-0001-SO	8700	2.7	0.55		4	N/A
068SB-0054M-0001-SO	ANTIMONY	0.054	MG/KG	0.19	0.097	J	068SB-0053M-0001-SO	0.046	0.18	0.091	J	N/A	Yes
068SB-0054M-0001-SO	ARSENIC	12	MG/KG	0.097	0.049		068SB-0053M-0001-SO	11	0.091	0.045		9	N/A
068SB-0054M-0001-SO	BARIUM	58	MG/KG	0.97	0.019		068SB-0053M-0001-SO	53	0.91	0.018		9	N/A
068SB-0054M-0001-SO	BERYLLIUM	0.47	MG/KG	0.097	0.0097		068SB-0053M-0001-SO	0.5	0.091	0.0091		N/A	Yes
068SB-0054M-0001-SO	CADMIUM	0.13	MG/KG	0.097	0.029		068SB-0053M-0001-SO	0.12	0.091	0.027		N/A	Yes
068SB-0054M-0001-SO	CALCIUM	910	MG/KG	9.7	2.4		068SB-0053M-0001-SO	3400	9.1	2.3		116	N/A
068SB-0054M-0001-SO	CHROMIUM	12	MG/KG	0.19	0.039		068SB-0053M-0001-SO	12	0.18	0.036		0	N/A
068SB-0054M-0001-SO	COBALT	9.1	MG/KG	0.049	0.0097		068SB-0053M-0001-SO	8.6	0.045	0.0091		6	N/A
068SB-0054M-0001-SO	COPPER	18	MG/KG	0.19	0.058		068SB-0053M-0001-SO	16	0.18	0.055		12	N/A
068SB-0054M-0001-SO	IRON	21000	MG/KG	4.9	1.9		068SB-0053M-0001-SO	21000	4.5	1.8		0	N/A
068SB-0054M-0001-SO	LEAD	15	MG/KG	0.097	0.029		068SB-0053M-0001-SO	13	0.091	0.027		14	N/A
068SB-0054M-0001-SO	MAGNESIUM	2300	MG/KG	9.7	1.9		068SB-0053M-0001-SO	2400	9.1	1.8		4	N/A
068SB-0054M-0001-SO	MANGANESE	310	MG/KG	0.49	0.029		068SB-0053M-0001-SO	370	0.45	0.027		18	N/A
068SB-0054M-0001-SO	NICKEL	20	MG/KG	0.097	0.029		068SB-0053M-0001-SO	18	0.091	0.027		11	N/A
068SB-0054M-0001-SO	POTASSIUM	870	MG/KG	9.7	5.8		068SB-0053M-0001-SO	770	9.1	5.5		12	N/A
068SB-0054M-0001-SO	SELENIUM	0.29	MG/KG	0.49	0.097	J	068SB-0053M-0001-SO	0.29	0.45	0.091	J	N/A	Yes
068SB-0054M-0001-SO	SILVER	0.028	MG/KG	0.097	0.029	J	068SB-0053M-0001-SO	0.028	0.091	0.027	J	N/A	Yes
068SB-0054M-0001-SO	SODIUM	37	MG/KG	9.7	4.9		068SB-0053M-0001-SO	44	9.1	4.5		N/A	Yes
068SB-0054M-0001-SO	THALLIUM	0.13	MG/KG	0.097	0.019		068SB-0053M-0001-SO	0.12	0.091	0.018		N/A	Yes
068SB-0054M-0001-SO	VANADIUM	14	MG/KG	0.097	0.058		068SB-0053M-0001-SO	15	0.091	0.055		7	N/A
068SB-0054M-0001-SO	ZINC	42	MG/KG	0.49	0.19		068SB-0053M-0001-SO	40	0.45	0.18		5	N/A
068SD-0009-0001-SO	ALUMINUM	12000	MG/KG	9.6	3.8	J	068SD-00010-0001-SO	13000	8.2	3.3		8	N/A
068SD-0009-0001-SO	ANTIMONY	0.13	MG/KG	0.19	0.14	J	068SD-00010-0001-SO	0.13	0.16	0.12	J	N/A	Yes
068SD-0009-0001-SO	ARSENIC	16	MG/KG	0.48	0.14		068SD-00010-0001-SO	16	0.41	0.12		0	N/A
068SD-0009-0001-SO	BARIUM	78	MG/KG	0.48	0.29		068SD-00010-0001-SO	75	0.41	0.25		4	N/A
068SD-0009-0001-SO	BERYLLIUM	0.76	MG/KG	0.096	0.0096		068SD-00010-0001-SO	0.74	0.082	0.0082		3	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SD-0009-0001-SO	CADMIUM	0.61	MG/KG	0.19	0.0096		068SD-00010-0001-SO	0.49	0.16	0.0082		N/A	Yes
068SD-0009-0001-SO	CALCIUM	1500	MG/KG	190	96		068SD-00010-0001-SO	1200	160	82		22	N/A
068SD-0009-0001-SO	CHROMIUM	21	MG/KG	0.48	0.43		068SD-00010-0001-SO	22	0.41	0.37		5	N/A
068SD-0009-0001-SO	COBALT	12	MG/KG	0.096	0.014		068SD-00010-0001-SO	12	0.082	0.012		0	N/A
068SD-0009-0001-SO	COPPER	30	MG/KG	0.38	0.29		068SD-00010-0001-SO	27	0.33	0.25		11	N/A
068SD-0009-0001-SO	IRON	26000	MG/KG	48	29	J	068SD-00010-0001-SO	30000	200	120		14	N/A
068SD-0009-0001-SO	LEAD	23	MG/KG	0.29	0.19		068SD-00010-0001-SO	21	0.25	0.16		9	N/A
068SD-0009-0001-SO	MAGNESIUM	2400	MG/KG	96	24		068SD-00010-0001-SO	2400	82	20		0	N/A
068SD-0009-0001-SO	MANGANESE	891	MG/KG	4.8	3.8		068SD-00010-0001-SO	770	0.41	0.33		15	N/A
068SD-0009-0001-SO	NICKEL	24	MG/KG	0.48	0.24		068SD-00010-0001-SO	25	0.41	0.2		4	N/A
068SD-0009-0001-SO	POTASSIUM	790	MG/KG	96	9.6		068SD-00010-0001-SO	790	82	8.2		0	N/A
068SD-0009-0001-SO	SELENIUM	0.8	MG/KG	0.48	0.058		068SD-00010-0001-SO	0.78	0.41	0.049		N/A	Yes
068SD-0009-0001-SO	SILVER	0.056	MG/KG	0.096	0.048	J	068SD-00010-0001-SO	0.05	0.082	0.041	J	N/A	Yes
068SD-0009-0001-SO	SODIUM	47	MG/KG	96	38	J	068SD-00010-0001-SO	43	82	33		N/A	Yes
068SD-0009-0001-SO	THALLIUM	0.22	MG/KG	0.19	0.14		068SD-00010-0001-SO	0.23	0.16	0.12		N/A	Yes
068SD-0009-0001-SO	VANADIUM	19	MG/KG	0.48	0.096		068SD-00010-0001-SO	19	0.41	0.082		0	N/A
068SD-0009-0001-SO	ZINC	160	MG/KG	3.8	1.9		068SD-00010-0001-SO	130	3.3	1.6		21	N/A
068SB-0019M-0001-SO	MERCURY	0.021	MG/KG	0.1	0.033	J	068SB-0022M-0001-SO	0.019	0.1	0.034	J	N/A	Yes
068SB-0035M-0001-SO	MERCURY	0.015	MG/KG	0.11	0.036	J	068SB-0036M-0001-SO	0.019	0.1	0.034	J	N/A	Yes
068SB-0054M-0001-SO	MERCURY	0.014	MG/KG	0.086	0.028	J	068SB-0053M-0001-SO	0.015	0.1	0.034	J	N/A	Yes
068SD-0009-0001-SO	MERCURY	0.031	MG/KG	0.095	0.031	J	068SD-00010-0001-SO	0.032	0.098	0.032	J	N/A	Yes
068SB-0019M-0001-SO	PCB-1016	25	UG/KG	66	25	U	068SB-0022M-0001-SO	24	64	24	U	N/A	Yes
068SB-0019M-0001-SO	PCB-1221	25	UG/KG	51	25	U	068SB-0022M-0001-SO	24	49	24	U	N/A	Yes
068SB-0019M-0001-SO	PCB-1232	25	UG/KG	46	25	U	068SB-0022M-0001-SO	24	44	24	U	N/A	Yes
068SB-0019M-0001-SO	PCB-1242	25	UG/KG	41	25	U	068SB-0022M-0001-SO	24	40	24	U	N/A	Yes
068SB-0019M-0001-SO	PCB-1248	25	UG/KG	56	25	U	068SB-0022M-0001-SO	24	54	24	U	N/A	Yes
068SB-0019M-0001-SO	PCB-1254	25	UG/KG	56	25	U	068SB-0022M-0001-SO	24	54	24	U	N/A	Yes
068SB-0019M-0001-SO	PCB-1260	25	UG/KG	56	25	U	068SB-0022M-0001-SO	24	54	24	U	N/A	Yes
068SB-0035M-0001-SO	PCB-1016	24	UG/KG	64	24	U	068SB-0036M-0001-SO	25	66	25	U	N/A	Yes
068SB-0035M-0001-SO	PCB-1221	24	UG/KG	49	24	U	068SB-0036M-0001-SO	25	51	25	U	N/A	Yes
068SB-0035M-0001-SO	PCB-1232	24	UG/KG	44	24	U	068SB-0036M-0001-SO	25	46	25	U	N/A	Yes
068SB-0035M-0001-SO	PCB-1242	24	UG/KG	39	24	U	068SB-0036M-0001-SO	25	41	25	U	N/A	Yes
068SB-0035M-0001-SO	PCB-1248	24	UG/KG	54	24	U	068SB-0036M-0001-SO	25	56	25	U	N/A	Yes
068SB-0035M-0001-SO	PCB-1254	24	UG/KG	54	24	U	068SB-0036M-0001-SO	25	56	25	U	N/A	Yes
068SB-0035M-0001-SO	PCB-1260	24	UG/KG	54	24	U	068SB-0036M-0001-SO	25	56	25	U	N/A	Yes
068SB-0054M-0001-SO	PCB-1016	25	UG/KG	66	25	U	068SB-0053M-0001-SO	25	65	25	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SB-0054M-0001-SO	PCB-1221	25	UG/KG	50	25	U	068SB-0053M-0001-SO	25	50	25	U	N/A	Yes
068SB-0054M-0001-SO	PCB-1232	25	UG/KG	45	25	U	068SB-0053M-0001-SO	25	45	25	U	N/A	Yes
068SB-0054M-0001-SO	PCB-1242	25	UG/KG	40	25	U	068SB-0053M-0001-SO	25	40	25	U	N/A	Yes
068SB-0054M-0001-SO	PCB-1248	25	UG/KG	55	25	U	068SB-0053M-0001-SO	25	55	25	U	N/A	Yes
068SB-0054M-0001-SO	PCB-1254	25	UG/KG	55	25	U	068SB-0053M-0001-SO	25	55	25	U	N/A	Yes
068SB-0054M-0001-SO	PCB-1260	25	UG/KG	55	25	U	068SB-0053M-0001-SO	25	55	25	U	N/A	Yes
068SD-0009-0001-SO	PCB-1016	24	UG/KG	64	24	U	068SD-00010-0001-SO	25	65	25	U	N/A	Yes
068SD-0009-0001-SO	PCB-1221	24	UG/KG	49	24	U	068SD-00010-0001-SO	25	50	25	U	N/A	Yes
068SD-0009-0001-SO	PCB-1232	24	UG/KG	44	24	U	068SD-00010-0001-SO	25	45	25	U	N/A	Yes
068SD-0009-0001-SO	PCB-1242	24	UG/KG	39	24	U	068SD-00010-0001-SO	25	40	25	U	N/A	Yes
068SD-0009-0001-SO	PCB-1248	24	UG/KG	54	24	U	068SD-00010-0001-SO	25	55	25	U	N/A	Yes
068SD-0009-0001-SO	PCB-1254	24	UG/KG	54	24	U	068SD-00010-0001-SO	25	55	25	U	N/A	Yes
068SD-0009-0001-SO	PCB-1260	24	UG/KG	54	24	U	068SD-00010-0001-SO	25	55	25	U	N/A	Yes
068SB-0019M-0001-SO	1,2,4-TRICHLOROBENZENE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	1,2-DICHLOROBENZENE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	1,3-DICHLOROBENZENE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	1,4-DICHLOROBENZENE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	2,4,5-TRICHLOROPHENOL	130	UG/KG	740	130	U	068SB-0022M-0001-SO	140	760	140	U	N/A	Yes
068SB-0019M-0001-SO	2,4,6-TRICHLOROPHENOL	390	UG/KG	740	390	U	068SB-0022M-0001-SO	410	760	410	U	N/A	Yes
068SB-0019M-0001-SO	2,4-DICHLOROPHENOL	130	UG/KG	740	130	U	068SB-0022M-0001-SO	140	760	140	U	N/A	Yes
068SB-0019M-0001-SO	2,4-DIMETHYLPHENOL	390	UG/KG	740	390	U	068SB-0022M-0001-SO	410	760	410	U	N/A	Yes
068SB-0019M-0001-SO	2,4-DINITROPHENOL	390	UG/KG	1600	390	U	068SB-0022M-0001-SO	410	1700	410	U	N/A	Yes
068SB-0019M-0001-SO	2,4-DINITROTOLUENE	130	UG/KG	990	130	U	068SB-0022M-0001-SO	140	1000	140	U	N/A	Yes
068SB-0019M-0001-SO	2,6-DINITROTOLUENE	130	UG/KG	990	130	U	068SB-0022M-0001-SO	140	1000	140	U	N/A	Yes
068SB-0019M-0001-SO	2-CHLORONAPHTHALENE	16	UG/KG	250	16	U	068SB-0022M-0001-SO	17	250	17	U	N/A	Yes
068SB-0019M-0001-SO	2-CHLOROPHENOL	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	2-METHYLNAPHTHALENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	2-METHYLPHENOL (O-CRESOL)	390	UG/KG	990	390	U	068SB-0022M-0001-SO	410	1000	410	U	N/A	Yes
068SB-0019M-0001-SO	2-NITROANILINE	130	UG/KG	990	130	U	068SB-0022M-0001-SO	140	1000	140	U	N/A	Yes
068SB-0019M-0001-SO	2-NITROPHENOL	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	3,3'-DICHLOROBENZIDINE	390	UG/KG	490	390	U	068SB-0022M-0001-SO	410	510	410	U	N/A	Yes
068SB-0019M-0001-SO	3-NITROANILINE	390	UG/KG	990	390	U	068SB-0022M-0001-SO	410	1000	410	U	N/A	Yes
068SB-0019M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	390	UG/KG	740	390	U	068SB-0022M-0001-SO	410	760	410	U	N/A	Yes
068SB-0019M-0001-SO	4-BROMOPHENYL PHENYL ETHER	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	4-CHLORO-3-METHYLPHENOL	130	UG/KG	740	130	U	068SB-0022M-0001-SO	140	760	140	U	N/A	Yes
068SB-0019M-0001-SO	4-CHLOROANILINE	130	UG/KG	740	130	U	068SB-0022M-0001-SO	140	760	140	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SB-0019M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	4-NITROANILINE	130	UG/KG	990	130	U	068SB-0022M-0001-SO	140	1000	140	U	N/A	Yes
068SB-0019M-0001-SO	4-NITROPHENOL	390	UG/KG	1600	390	U	068SB-0022M-0001-SO	410	1700	410	U	N/A	Yes
068SB-0019M-0001-SO	ACENAPHTHENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	ACENAPHTHYLENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	ANTHRACENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	BENZO(A)ANTHRACENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	BENZO(A)PYRENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	BENZO(B)FLUORANTHENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	BENZO(G,H,I)PERYLENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	BENZO(K)FLUORANTHENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	BENZOIC ACID	1600	UG/KG	3300	1600	U	068SB-0022M-0001-SO	1700	3400	1700	U	N/A	Yes
068SB-0019M-0001-SO	BENZYL ALCOHOL	130	UG/KG	1600	130	U	068SB-0022M-0001-SO	140	1700	140	U	N/A	Yes
068SB-0019M-0001-SO	BENZYL BUTYL PHTHALATE	130	UG/KG	340	130	U	068SB-0022M-0001-SO	140	360	140	U	N/A	Yes
068SB-0019M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	130	UG/KG	490	130	U	068SB-0022M-0001-SO	140	510	140	U	N/A	Yes
068SB-0019M-0001-SO	BIS(2-CHLOROETHYL) ETHER	16	UG/KG	490	16	U	068SB-0022M-0001-SO	17	510	17	U	N/A	Yes
068SB-0019M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	130	UG/KG	490	130	U	068SB-0022M-0001-SO	140	510	140	U	N/A	Yes
068SB-0019M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	130	UG/KG	340	130	U	068SB-0022M-0001-SO	140	360	140	U	N/A	Yes
068SB-0019M-0001-SO	CARBAZOLE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	CHRYSENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	CRESOLS, M & P	390	UG/KG	2000	390	U	068SB-0022M-0001-SO	410	2000	410	U	N/A	Yes
068SB-0019M-0001-SO	DIBENZ(A,H)ANTHRACENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	DIBENZOFURAN	16	UG/KG	250	16	U	068SB-0022M-0001-SO	17	250	17	U	N/A	Yes
068SB-0019M-0001-SO	DIETHYL PHTHALATE	130	UG/KG	340	130	U	068SB-0022M-0001-SO	140	360	140	U	N/A	Yes
068SB-0019M-0001-SO	DIMETHYL PHTHALATE	130	UG/KG	340	130	U	068SB-0022M-0001-SO	140	360	140	U	N/A	Yes
068SB-0019M-0001-SO	DI-N-BUTYL PHTHALATE	130	UG/KG	340	130	U	068SB-0022M-0001-SO	140	360	140	U	N/A	Yes
068SB-0019M-0001-SO	DI-N-OCTYLPHTHALATE	130	UG/KG	340	130	U	068SB-0022M-0001-SO	140	360	140	U	N/A	Yes
068SB-0019M-0001-SO	FLUORANTHENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	FLUORENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	HEXACHLOROBENZENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	HEXACHLOROBUTADIENE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	HEXACHLOROCYCLOPENTADIENE	130	UG/KG	1600	130	U	068SB-0022M-0001-SO	140	1700	140	U	N/A	Yes
068SB-0019M-0001-SO	HEXACHLOROETHANE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	INDENO(1,2,3-C,D)PYRENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	ISOPHORONE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	NAPHTHALENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SB-0019M-0001-SO	NITROBENZENE	16	UG/KG	490	16	U	068SB-0022M-0001-SO	17	510	17	U	N/A	Yes
068SB-0019M-0001-SO	N-NITROSODI-N-PROPYLAMINE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	N-NITROSODIPHENYLAMINE	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	PENTACHLOROPHENOL	390	UG/KG	740	390	U	068SB-0022M-0001-SO	410	760	410	U	N/A	Yes
068SB-0019M-0001-SO	PHENANTHRENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0019M-0001-SO	PHENOL	130	UG/KG	250	130	U	068SB-0022M-0001-SO	140	250	140	U	N/A	Yes
068SB-0019M-0001-SO	PYRENE	16	UG/KG	33	16	U	068SB-0022M-0001-SO	17	34	17	U	N/A	Yes
068SB-0035M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	068SB-0036M-0001-SO	27	150	27	U	N/A	Yes
068SB-0035M-0001-SO	2,4,6-TRICHLOROPHENOL	79	UG/KG	150	79	U	068SB-0036M-0001-SO	80	150	80	U	N/A	Yes
068SB-0035M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	068SB-0036M-0001-SO	27	150	27	U	N/A	Yes
068SB-0035M-0001-SO	2,4-DIMETHYLPHENOL	79	UG/KG	150	79	U	068SB-0036M-0001-SO	80	150	80	U	N/A	Yes
068SB-0035M-0001-SO	2,4-DINITROPHENOL	79	UG/KG	330	79	U	068SB-0036M-0001-SO	80	330	80	U	N/A	Yes
068SB-0035M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	068SB-0036M-0001-SO	27	200	27	U	N/A	Yes
068SB-0035M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	068SB-0036M-0001-SO	27	200	27	U	N/A	Yes
068SB-0035M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	068SB-0036M-0001-SO	3.3	50	3.3	U	N/A	Yes
068SB-0035M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	2-METHYLNAPHTHALENE	7.8	UG/KG	6.6	3.3		068SB-0036M-0001-SO	6.5	6.7	3.3	J	N/A	Yes
068SB-0035M-0001-SO	2-METHYLPHENOL (O-CRESOL)	79	UG/KG	200	79	U	068SB-0036M-0001-SO	80	200	80	U	N/A	Yes
068SB-0035M-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	068SB-0036M-0001-SO	27	200	27	U	N/A	Yes
068SB-0035M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	3,3'-DICHLOROBENZIDINE	79	UG/KG	99	79	U	068SB-0036M-0001-SO	80	100	80	U	N/A	Yes
068SB-0035M-0001-SO	3-NITROANILINE	79	UG/KG	200	79	U	068SB-0036M-0001-SO	80	200	80	U	N/A	Yes
068SB-0035M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	79	UG/KG	150	79	U	068SB-0036M-0001-SO	80	150	80	U	N/A	Yes
068SB-0035M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	068SB-0036M-0001-SO	27	150	27	U	N/A	Yes
068SB-0035M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	068SB-0036M-0001-SO	27	150	27	U	N/A	Yes
068SB-0035M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	068SB-0036M-0001-SO	27	200	27	U	N/A	Yes
068SB-0035M-0001-SO	4-NITROPHENOL	79	UG/KG	330	79	U	068SB-0036M-0001-SO	80	330	80	U	N/A	Yes
068SB-0035M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	ANTHRACENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SB-0035M-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	BENZO(A)PYRENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	BENZO(B)FLUORANTHENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	BENZO(K)FLUORANTHENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	BENZOIC ACID	330	UG/KG	650	330	U	068SB-0036M-0001-SO	330	660	330	U	N/A	Yes
068SB-0035M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	068SB-0036M-0001-SO	27	330	27	U	N/A	Yes
068SB-0035M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	69	27	U	068SB-0036M-0001-SO	27	70	27	U	N/A	Yes
068SB-0035M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	99	27	U	068SB-0036M-0001-SO	27	100	27	U	N/A	Yes
068SB-0035M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	99	3.3	U	068SB-0036M-0001-SO	3.3	100	3.3	U	N/A	Yes
068SB-0035M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	99	27	U	068SB-0036M-0001-SO	27	100	27	U	N/A	Yes
068SB-0035M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27	UG/KG	73	27	J	068SB-0036M-0001-SO	27	70	27	J	N/A	Yes
068SB-0035M-0001-SO	CARBAZOLE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	CHRYSENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	CRESOLS, M & P	79	UG/KG	400	79	U	068SB-0036M-0001-SO	80	400	80	U	N/A	Yes
068SB-0035M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	DIBENZOFURAN	3.3	UG/KG	50	3.3	U	068SB-0036M-0001-SO	3.3	50	3.3	U	N/A	Yes
068SB-0035M-0001-SO	DIETHYL PHTHALATE	27	UG/KG	69	27	U	068SB-0036M-0001-SO	27	70	27	U	N/A	Yes
068SB-0035M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	69	27	U	068SB-0036M-0001-SO	27	70	27	U	N/A	Yes
068SB-0035M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	69	27	U	068SB-0036M-0001-SO	27	70	27	U	N/A	Yes
068SB-0035M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	69	27	U	068SB-0036M-0001-SO	27	70	27	U	N/A	Yes
068SB-0035M-0001-SO	FLUORANTHENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	FLUORENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	068SB-0036M-0001-SO	27	330	27	U	N/A	Yes
068SB-0035M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	ISOPHORONE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	NAPHTHALENE	10	UG/KG	6.6	3.3		068SB-0036M-0001-SO	8.3	6.7	3.3		N/A	Yes
068SB-0035M-0001-SO	NITROBENZENE	3.3	UG/KG	99	3.3	U	068SB-0036M-0001-SO	3.3	100	3.3	U	N/A	Yes
068SB-0035M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes
068SB-0035M-0001-SO	PENTACHLOROPHENOL	79	UG/KG	150	79	U	068SB-0036M-0001-SO	80	150	80	U	N/A	Yes
068SB-0035M-0001-SO	PHENANTHRENE	4.6	UG/KG	6.6	3.3	J	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0035M-0001-SO	PHENOL	27	UG/KG	50	27	U	068SB-0036M-0001-SO	27	50	27	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SB-0035M-0001-SO	PYRENE	3.3	UG/KG	6.6	3.3	U	068SB-0036M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
068SB-0053M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	068SB-0054M-0001-SO	27	150	27	U	N/A	Yes
068SB-0053M-0001-SO	2,4,6-TRICHLOROPHENOL	80	UG/KG	150	80	U	068SB-0054M-0001-SO	80	150	80	U	N/A	Yes
068SB-0053M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	068SB-0054M-0001-SO	27	150	27	U	N/A	Yes
068SB-0053M-0001-SO	2,4-DIMETHYLPHENOL	80	UG/KG	150	80	U	068SB-0054M-0001-SO	80	150	80	U	N/A	Yes
068SB-0053M-0001-SO	2,4-DINITROPHENOL	80	UG/KG	330	80	UJ	068SB-0054M-0001-SO	80	330	80	U	N/A	Yes
068SB-0053M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	068SB-0054M-0001-SO	27	200	27	U	N/A	Yes
068SB-0053M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	068SB-0054M-0001-SO	27	200	27	U	N/A	Yes
068SB-0053M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	068SB-0054M-0001-SO	3.3	50	3.3	U	N/A	Yes
068SB-0053M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	2-METHYLNAPHTHALENE	4.4	UG/KG	6.6	3.3	J	068SB-0054M-0001-SO	9.6	6.6	3.3		N/A	Yes
068SB-0053M-0001-SO	2-METHYLPHENOL (O-CRESOL)	80	UG/KG	200	80	U	068SB-0054M-0001-SO	80	200	80	U	N/A	Yes
068SB-0053M-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	068SB-0054M-0001-SO	27	200	27	U	N/A	Yes
068SB-0053M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	3,3'-DICHLOROBENZIDINE	80	UG/KG	100	80	U	068SB-0054M-0001-SO	80	100	80	U	N/A	Yes
068SB-0053M-0001-SO	3-NITROANILINE	80	UG/KG	200	80	U	068SB-0054M-0001-SO	80	200	80	U	N/A	Yes
068SB-0053M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	80	UG/KG	150	80	U	068SB-0054M-0001-SO	80	150	80	U	N/A	Yes
068SB-0053M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	068SB-0054M-0001-SO	27	150	27	U	N/A	Yes
068SB-0053M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	068SB-0054M-0001-SO	27	150	27	U	N/A	Yes
068SB-0053M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	068SB-0054M-0001-SO	27	200	27	U	N/A	Yes
068SB-0053M-0001-SO	4-NITROPHENOL	80	UG/KG	330	80	U	068SB-0054M-0001-SO	80	330	80	U	N/A	Yes
068SB-0053M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	ANTHRACENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	BENZO(A)PYRENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	BENZO(B)FLUORANTHENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	BENZO(K)FLUORANTHENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	BENZOIC ACID	330	UG/KG	660	330	U	068SB-0054M-0001-SO	330	660	330	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SB-0053M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	068SB-0054M-0001-SO	27	330	27	U	N/A	Yes
068SB-0053M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	70	27	U	068SB-0054M-0001-SO	27	70	27	U	N/A	Yes
068SB-0053M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27	U	068SB-0054M-0001-SO	27	100	27	U	N/A	Yes
068SB-0053M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3	U	068SB-0054M-0001-SO	3.3	100	3.3	U	N/A	Yes
068SB-0053M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	100	27	U	068SB-0054M-0001-SO	27	100	27	U	N/A	Yes
068SB-0053M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	74	UG/KG	74	27	U	068SB-0054M-0001-SO	27	70	27	J	N/A	Yes
068SB-0053M-0001-SO	CARBAZOLE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	CHRYSENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	CRESOLS, M & P	80	UG/KG	400	80	U	068SB-0054M-0001-SO	80	400	80	U	N/A	Yes
068SB-0053M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	DIBENZOFURAN	3.3	UG/KG	50	3.3	U	068SB-0054M-0001-SO	3.3	50	3.3	U	N/A	Yes
068SB-0053M-0001-SO	DIETHYL PHTHALATE	27	UG/KG	70	27	U	068SB-0054M-0001-SO	27	70	27	U	N/A	Yes
068SB-0053M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	70	27	U	068SB-0054M-0001-SO	27	70	27	U	N/A	Yes
068SB-0053M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	70	27	U	068SB-0054M-0001-SO	27	70	27	U	N/A	Yes
068SB-0053M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	70	27	U	068SB-0054M-0001-SO	27	70	27	U	N/A	Yes
068SB-0053M-0001-SO	FLUORANTHENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	FLUORENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	068SB-0054M-0001-SO	27	330	27	U	N/A	Yes
068SB-0053M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	ISOPHORONE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	NAPHTHALENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SB-0053M-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3	U	068SB-0054M-0001-SO	3.3	100	3.3	U	N/A	Yes
068SB-0053M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	PENTACHLOROPHENOL	80	UG/KG	150	80	U	068SB-0054M-0001-SO	80	150	80	U	N/A	Yes
068SB-0053M-0001-SO	PHENANTHRENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	5.4	6.6	3.3	J	N/A	Yes
068SB-0053M-0001-SO	PHENOL	27	UG/KG	50	27	U	068SB-0054M-0001-SO	27	50	27	U	N/A	Yes
068SB-0053M-0001-SO	PYRENE	3.3	UG/KG	6.6	3.3	U	068SB-0054M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SD-00010-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	1,4-DICHLOROBENZENE	20	UG/KG	50	27	J	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	068SD-0009-0001-SO	27	150	27	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SD-00010-0001-SO	2,4,6-TRICHLOROPHENOL	81	UG/KG	150	81	U	068SD-0009-0001-SO	79	150	79	U	N/A	Yes
068SD-00010-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	068SD-0009-0001-SO	27	150	27	U	N/A	Yes
068SD-00010-0001-SO	2,4-DIMETHYLPHENOL	81	UG/KG	150	81	U	068SD-0009-0001-SO	79	150	79	U	N/A	Yes
068SD-00010-0001-SO	2,4-DINITROPHENOL	81	UG/KG	330	81	U	068SD-0009-0001-SO	79	330	79	U	N/A	Yes
068SD-00010-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	068SD-0009-0001-SO	27	200	27	U	N/A	Yes
068SD-00010-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	068SD-0009-0001-SO	27	200	27	U	N/A	Yes
068SD-00010-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	068SD-0009-0001-SO	3.3	49	3.3	U	N/A	Yes
068SD-00010-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	2-METHYLNAPHTHALENE	14	UG/KG	6.7	3.3		068SD-0009-0001-SO	13	6.6	3.3		N/A	Yes
068SD-00010-0001-SO	2-METHYLPHENOL (O-CRESOL)	81	UG/KG	200	81	U	068SD-0009-0001-SO	79	200	79	U	N/A	Yes
068SD-00010-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	068SD-0009-0001-SO	27	200	27	U	N/A	Yes
068SD-00010-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	3,3'-DICHLOROBENZIDINE	81	UG/KG	100	81	U	068SD-0009-0001-SO	79	99	79	U	N/A	Yes
068SD-00010-0001-SO	3-NITROANILINE	81	UG/KG	200	81	U	068SD-0009-0001-SO	79	200	79	U	N/A	Yes
068SD-00010-0001-SO	4,6-DINITRO-2-METHYLPHENOL	81	UG/KG	150	81	U	068SD-0009-0001-SO	79	150	79	U	N/A	Yes
068SD-00010-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	068SD-0009-0001-SO	27	150	27	U	N/A	Yes
068SD-00010-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	068SD-0009-0001-SO	27	150	27	U	N/A	Yes
068SD-00010-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	068SD-0009-0001-SO	27	200	27	U	N/A	Yes
068SD-00010-0001-SO	4-NITROPHENOL	81	UG/KG	330	81	U	068SD-0009-0001-SO	79	330	79	U	N/A	Yes
068SD-00010-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.7	3.3	J	068SD-0009-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SD-00010-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.7	3.3	U	068SD-0009-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SD-00010-0001-SO	ANTHRACENE	3.4	UG/KG	6.7	3.3	J	068SD-0009-0001-SO	3.3	6.6	3.3	J	N/A	Yes
068SD-00010-0001-SO	BENZO(A)ANTHRACENE	18	UG/KG	6.7	3.3		068SD-0009-0001-SO	16	6.6	3.3		N/A	Yes
068SD-00010-0001-SO	BENZO(A)PYRENE	27	UG/KG	6.7	3.3		068SD-0009-0001-SO	26	6.6	3.3		N/A	Yes
068SD-00010-0001-SO	BENZO(B)FLUORANTHENE	51	UG/KG	6.7	3.3		068SD-0009-0001-SO	46	6.6	3.3		10	N/A
068SD-00010-0001-SO	BENZO(G,H,I)PERYLENE	16	UG/KG	6.7	3.3		068SD-0009-0001-SO	16	6.6	3.3		N/A	Yes
068SD-00010-0001-SO	BENZO(K)FLUORANTHENE	11	UG/KG	6.7	3.3		068SD-0009-0001-SO	12	6.6	3.3		N/A	Yes
068SD-00010-0001-SO	BENZOIC ACID	340	UG/KG	660	340	U	068SD-0009-0001-SO	330	650	330	U	N/A	Yes
068SD-00010-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	068SD-0009-0001-SO	27	330	27	U	N/A	Yes
068SD-00010-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27	U	068SD-0009-0001-SO	27	99	27	U	N/A	Yes
068SD-00010-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3	U	068SD-0009-0001-SO	3.3	99	3.3	U	N/A	Yes
068SD-00010-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	100	27	U	068SD-0009-0001-SO	27	99	27	U	N/A	Yes
068SD-00010-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	J	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SD-00010-0001-SO	CARBAZOLE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	CHRYSENE	36	UG/KG	6.7	3.3		068SD-0009-0001-SO	28	6.6	3.3		N/A	No
068SD-00010-0001-SO	CRESOLS, M & P	81	UG/KG	400	81	U	068SD-0009-0001-SO	79	400	79	U	N/A	Yes
068SD-00010-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.7	3.3	U	068SD-0009-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SD-00010-0001-SO	DIBENZOFURAN	4.7	UG/KG	50	3.3		068SD-0009-0001-SO	3.3	49	3.3	U	N/A	Yes
068SD-00010-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	FLUORANTHENE	50	UG/KG	6.7	3.3		068SD-0009-0001-SO	38	6.6	3.3		27	N/A
068SD-00010-0001-SO	FLUORENE	3.8	UG/KG	6.7	3.3		068SD-0009-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SD-00010-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.7	3.3	U	068SD-0009-0001-SO	3.3	6.6	3.3	U	N/A	Yes
068SD-00010-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	068SD-0009-0001-SO	27	330	27	U	N/A	Yes
068SD-00010-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	INDENO(1,2,3-C,D)PYRENE	20	UG/KG	6.7	3.3		068SD-0009-0001-SO	17	6.6	3.3		N/A	Yes
068SD-00010-0001-SO	ISOPHORONE	14	UG/KG	50	27		068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	NAPHTHALENE	15	UG/KG	6.7	3.3		068SD-0009-0001-SO	11	6.7	3.3		N/A	Yes
068SD-00010-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3	U	068SD-0009-0001-SO	3.3	99	3.3	U	N/A	Yes
068SD-00010-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	PENTACHLOROPHENOL	81	UG/KG	150	81	U	068SD-0009-0001-SO	79	150	79	U	N/A	Yes
068SD-00010-0001-SO	PHENANTHRENE	25	UG/KG	6.7	3.3		068SD-0009-0001-SO	22	6.6	3.3		N/A	Yes
068SD-00010-0001-SO	PHENOL	27	UG/KG	50	27	U	068SD-0009-0001-SO	27	49	27	U	N/A	Yes
068SD-00010-0001-SO	PYRENE	35	UG/KG	6.7	3.3		068SD-0009-0001-SO	28	6.6	3.3		N/A	No
068SS-0003M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	068SS-0004M-0001-SO	130	740	130	U	N/A	Yes
068SS-0003M-0001-SO	2,4,6-TRICHLOROPHENOL	80	UG/KG	150	80	U	068SS-0004M-0001-SO	400	740	400	U	N/A	Yes
068SS-0003M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	068SS-0004M-0001-SO	130	740	130	U	N/A	Yes
068SS-0003M-0001-SO	2,4-DIMETHYLPHENOL	80	UG/KG	150	80	U	068SS-0004M-0001-SO	400	740	400	U	N/A	Yes
068SS-0003M-0001-SO	2,4-DINITROPHENOL	80	UG/KG	330	80	UJ	068SS-0004M-0001-SO	400	1600	400	U	N/A	Yes
068SS-0003M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	068SS-0004M-0001-SO	130	990	130	U	N/A	Yes
068SS-0003M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	068SS-0004M-0001-SO	130	990	130	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SS-0003M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	068SS-0004M-0001-SO	16	250	16	U	N/A	Yes
068SS-0003M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	2-METHYLNAPHTHALENE	30	UG/KG	6.7	3.3		068SS-0004M-0001-SO	23	33	16		N/A	Yes
068SS-0003M-0001-SO	2-METHYLPHENOL (O-CRESOL)	80	UG/KG	200	80	U	068SS-0004M-0001-SO	400	990	400	U	N/A	Yes
068SS-0003M-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	068SS-0004M-0001-SO	130	990	130	U	N/A	Yes
068SS-0003M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	3,3'-DICHLOROBENZIDINE	80	UG/KG	100	80	UJ	068SS-0004M-0001-SO	400	500	400	U	N/A	Yes
068SS-0003M-0001-SO	3-NITROANILINE	80	UG/KG	200	80	U	068SS-0004M-0001-SO	400	990	400	U	N/A	Yes
068SS-0003M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	80	UG/KG	150	80	UJ	068SS-0004M-0001-SO	400	740	400	U	N/A	Yes
068SS-0003M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	068SS-0004M-0001-SO	130	740	130	U	N/A	Yes
068SS-0003M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	068SS-0004M-0001-SO	130	740	130	U	N/A	Yes
068SS-0003M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	068SS-0004M-0001-SO	130	990	130	U	N/A	Yes
068SS-0003M-0001-SO	4-NITROPHENOL	80	UG/KG	330	80	U	068SS-0004M-0001-SO	400	1600	400	U	N/A	Yes
068SS-0003M-0001-SO	ACENAPHTHENE	17	UG/KG	6.7	3.3		068SS-0004M-0001-SO	16	33	16	U	N/A	Yes
068SS-0003M-0001-SO	ACENAPHTHYLENE	9.2	UG/KG	6.7	3.3		068SS-0004M-0001-SO	16	33	16	U	N/A	Yes
068SS-0003M-0001-SO	ANTHRACENE	48	UG/KG	6.7	3.3		068SS-0004M-0001-SO	28	33	16		N/A	Yes
068SS-0003M-0001-SO	BENZO(A)ANTHRACENE	270	UG/KG	6.7	3.3		068SS-0004M-0001-SO	190	33	16		35	N/A
068SS-0003M-0001-SO	BENZO(A)PYRENE	330	UG/KG	6.7	3.3		068SS-0004M-0001-SO	250	33	16		28	N/A
068SS-0003M-0001-SO	BENZO(B)FLUORANTHENE	520	UG/KG	6.7	3.3		068SS-0004M-0001-SO	390	33	16		29	N/A
068SS-0003M-0001-SO	BENZO(G,H,I)PERYLENE	260	UG/KG	6.7	3.3		068SS-0004M-0001-SO	130	33	16		N/A	No
068SS-0003M-0001-SO	BENZO(K)FLUORANTHENE	180	UG/KG	6.7	3.3		068SS-0004M-0001-SO	100	33	16		N/A	No
068SS-0003M-0001-SO	BENZOIC ACID	330	UG/KG	660	330	UJ	068SS-0004M-0001-SO	1700	3300	1700	U	N/A	Yes
068SS-0003M-0001-SO	BENZYL ALCOHOL	448	UG/KG	330	27		068SS-0004M-0001-SO	130	1600	130	U	N/A	Yes
068SS-0003M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27	U	068SS-0004M-0001-SO	130	500	130	U	N/A	Yes
068SS-0003M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3	U	068SS-0004M-0001-SO	16	500	16	U	N/A	Yes
068SS-0003M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	100	27	U	068SS-0004M-0001-SO	130	500	130	U	N/A	Yes
068SS-0003M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	34	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	CARBAZOLE	44	UG/KG	50	27		068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	CHRYSENE	340	UG/KG	6.7	3.3		068SS-0004M-0001-SO	230	33	16		39	N/A
068SS-0003M-0001-SO	CRESOLS, M & P	80	UG/KG	400	80	U	068SS-0004M-0001-SO	400	2000	400	U	N/A	Yes
068SS-0003M-0001-SO	DIBENZ(A,H)ANTHRACENE	57	UG/KG	6.7	3.3	J	068SS-0004M-0001-SO	16	33	16	U	N/A	No
068SS-0003M-0001-SO	DIBENZOFURAN	15	UG/KG	50	3.3		068SS-0004M-0001-SO	16	250	16	U	N/A	Yes
068SS-0003M-0001-SO	DIETHYL PHTHALATE	22	UG/KG	50	27	J	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SS-0003M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	DI-N-BUTYL PHTHALATE	19	UG/KG	50	27	J	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	FLUORANTHENE	650	UG/KG	6.7	3.3		068SS-0004M-0001-SO	410	33	16		45	N/A
068SS-0003M-0001-SO	FLUORENE	16	UG/KG	6.7	3.3		068SS-0004M-0001-SO	16	33	16	U	N/A	Yes
068SS-0003M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.7	3.3	U	068SS-0004M-0001-SO	16	33	16	U	N/A	Yes
068SS-0003M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	068SS-0004M-0001-SO	130	1600	130	U	N/A	Yes
068SS-0003M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	UJ	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	INDENO(1,2,3-C,D)PYRENE	220	UG/KG	6.7	3.3		068SS-0004M-0001-SO	140	33	16		N/A	No
068SS-0003M-0001-SO	ISOPHORONE	16	UG/KG	50	27		068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	NAPHTHALENE	24	UG/KG	6.7	3.3		068SS-0004M-0001-SO	16	33	16	U	N/A	Yes
068SS-0003M-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3	U	068SS-0004M-0001-SO	16	500	16	U	N/A	Yes
068SS-0003M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	R	068SS-0004M-0001-SO	130	250	130	U	N/A	N/A
068SS-0003M-0001-SO	PENTACHLOROPHENOL	80	UG/KG	150	80	U	068SS-0004M-0001-SO	400	740	400	U	N/A	Yes
068SS-0003M-0001-SO	PHENANTHRENE	250	UG/KG	6.7	3.3		068SS-0004M-0001-SO	150	33	16		N/A	No
068SS-0003M-0001-SO	PHENOL	27	UG/KG	50	27	U	068SS-0004M-0001-SO	130	250	130	U	N/A	Yes
068SS-0003M-0001-SO	PYRENE	480	UG/KG	6.7	3.3		068SS-0004M-0001-SO	310	33	16		43	N/A
068SW-0013-0001-SW	1,2,4-TRICHLOROBENZENE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	1,2-DICHLOROBENZENE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	1,3-DICHLOROBENZENE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	1,4-DICHLOROBENZENE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	2,4,5-TRICHLOROPHENOL	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0013-0001-SW	2,4,6-TRICHLOROPHENOL	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0013-0001-SW	2,4-DICHLOROPHENOL	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	2,4-DIMETHYLPHENOL	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	2,4-DINITROPHENOL	2.3	UG/L	4.8	2.3	U	068SW-0014-0001-SW	2.3	4.8	2.3	U	N/A	Yes
068SW-0013-0001-SW	2,4-DINITROTOLUENE	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0013-0001-SW	2,6-DINITROTOLUENE	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0013-0001-SW	2-CHLORONAPHTHALENE	0.095	UG/L	0.95	0.095	U	068SW-0014-0001-SW	0.095	0.95	0.095	U	N/A	Yes
068SW-0013-0001-SW	2-CHLOROPHENOL	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	2-METHYLNAPHTHALENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	2-METHYLPHENOL (O-CRESOL)	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	2-NITROANILINE	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	2-NITROPHENOL	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SW-0013-0001-SW	3,3'-DICHLOROBENZIDINE	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0013-0001-SW	3-NITROANILINE	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	4,6-DINITRO-2-METHYLPHENOL	2.3	UG/L	4.8	2.3	U	068SW-0014-0001-SW	2.3	4.8	2.3	U	N/A	Yes
068SW-0013-0001-SW	4-BROMOPHENYL PHENYL ETHER	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	4-CHLORO-3-METHYLPHENOL	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	4-CHLOROANILINE	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	4-CHLOROPHENYL PHENYL ETHER	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	4-NITROANILINE	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	4-NITROPHENOL	2.3	UG/L	4.8	2.3	U	068SW-0014-0001-SW	2.3	4.8	2.3	U	N/A	Yes
068SW-0013-0001-SW	ACENAPHTHENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	ACENAPHTHYLENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	ANTHRACENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	BENZO(A)ANTHRACENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	BENZO(A)PYRENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	BENZO(B)FLUORANTHENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	BENZO(G,H,I)PERYLENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	BENZO(K)FLUORANTHENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	BENZOIC ACID	9.5	UG/L	24	9.5	U	068SW-0014-0001-SW	9.5	24	9.5	U	N/A	Yes
068SW-0013-0001-SW	BENZYL ALCOHOL	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0013-0001-SW	BENZYL BUTYL PHTHALATE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	BIS(2-CHLOROETHOXY) METHANE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	BIS(2-CHLOROETHYL) ETHER	0.095	UG/L	0.95	0.095	U	068SW-0014-0001-SW	0.095	0.95	0.095	U	N/A	Yes
068SW-0013-0001-SW	BIS(2-CHLOROISOPROPYL) ETHER	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	BIS(2-ETHYLHEXYL) PHTHALATE	23	UG/L	1.9	0.76		068SW-0014-0001-SW	2.8	1.9	0.76		N/A	No
068SW-0013-0001-SW	CARBAZOLE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	CHRYSENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	CRESOLS, M & P	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0013-0001-SW	DIBENZ(A,H)ANTHRACENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	DIBENZOFURAN	0.095	UG/L	0.95	0.095	U	068SW-0014-0001-SW	0.095	0.95	0.095	U	N/A	Yes
068SW-0013-0001-SW	DIETHYL PHTHALATE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	DIMETHYL PHTHALATE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	DI-N-BUTYL PHTHALATE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	DI-N-OCTYLPHTHALATE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	FLUORANTHENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	FLUORENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	HEXACHLOROBENZENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SW-0013-0001-SW	HEXACHLOROBUTADIENE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	HEXACHLOROCYCLOPENTADIENE	0.76	UG/L	9.5	0.76	U	068SW-0014-0001-SW	0.76	9.5	0.76	U	N/A	Yes
068SW-0013-0001-SW	HEXACHLOROETHANE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	INDENO(1,2,3-C,D)PYRENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	ISOPHORONE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	NAPHTHALENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	NITROBENZENE	0.095	UG/L	0.95	0.095	U	068SW-0014-0001-SW	0.095	0.95	0.095	U	N/A	Yes
068SW-0013-0001-SW	N-NITROSODI-N-PROPYLAMINE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	N-NITROSODIPHENYLAMINE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	PENTACHLOROPHENOL	2.3	UG/L	4.8	2.3	U	068SW-0014-0001-SW	2.3	4.8	2.3	U	N/A	Yes
068SW-0013-0001-SW	PHENANTHRENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0013-0001-SW	PHENOL	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0013-0001-SW	PYRENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SS-0003M-0001-SO	1,3,5-TRINITROBENZENE	0.05	MG/KG	0.25	0.05	U	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
068SS-0003M-0001-SO	1,3-DINITROBENZENE	0.05	MG/KG	0.25	0.05	U	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
068SS-0003M-0001-SO	2,4,6-TRINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
068SS-0003M-0001-SO	2,4-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	R	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	N/A
068SS-0003M-0001-SO	2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	R	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	N/A
068SS-0003M-0001-SO	2-AMINO-4,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	068SS-0004M-0001-SO	0.05	0.25	0.05	J	N/A	Yes
068SS-0003M-0001-SO	2-NITROTOLUENE	0.05	MG/KG	0.25	0.05	UJ	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
068SS-0003M-0001-SO	3-NITROTOLUENE	0.05	MG/KG	0.25	0.05	U	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
068SS-0003M-0001-SO	4-AMINO-2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	068SS-0004M-0001-SO	0.05	0.25	0.05	J+	N/A	Yes
068SS-0003M-0001-SO	4-NITROTOLUENE	0.05	MG/KG	0.25	0.05	U	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
068SS-0003M-0001-SO	HMX	0.05	MG/KG	0.25	0.05	U	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
068SS-0003M-0001-SO	NITROBENZENE	0.05	MG/KG	0.25	0.05	R	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	N/A
068SS-0003M-0001-SO	NITROGLYCERIN	0.25	MG/KG	0.5	0.25	U	068SS-0004M-0001-SO	0.25	0.5	0.25	U	N/A	Yes
068SS-0003M-0001-SO	PETN	0.25	MG/KG	0.5	0.25	U	068SS-0004M-0001-SO	0.25	0.5	0.25	U	N/A	Yes
068SS-0003M-0001-SO	RDX	0.05	MG/KG	0.25	0.05	UJ	068SS-0004M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
068SS-0003M-0001-SO	TETRYL	0.05	MG/KG	0.25	0.05	U	068SS-0004M-0001-SO	0.039	0.25	0.05	U	N/A	Yes
068SS-0003M-0001-SO	1,1,1-TRICHLOROETHANE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.41	3.7	U	N/A	Yes
068SS-0003M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.25	3.7	U	N/A	Yes
068SS-0003M-0001-SO	1,1,2-TRICHLOROETHANE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.29	3.7	U	N/A	Yes
068SS-0003M-0001-SO	1,1-DICHLOROETHANE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.26	3.7	U	N/A	Yes
068SS-0003M-0001-SO	1,1-DICHLOROETHENE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.38	3.7	U	N/A	Yes
068SS-0003M-0001-SO	1,2-DIBROMOETHANE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.37	3.7	U	N/A	Yes
068SS-0003M-0001-SO	1,2-DICHLOROETHANE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.25	3.7	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SS-0003M-0001-SO	1,2-DICHLOROPROPANE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.51	3.7	U	N/A	Yes
068SS-0003M-0001-SO	2-HEXANONE	0.8	UG/KG	16	0.8	U	068SS-0004M-0001-SO	0.73	0.46	15	U	N/A	Yes
068SS-0003M-0001-SO	ACETONE	5	UG/KG	16	5	U	068SS-0004M-0001-SO	4.6	4.6	15	J	N/A	Yes
068SS-0003M-0001-SO	BENZENE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.17	3.7	U	N/A	Yes
068SS-0003M-0001-SO	BROMOCHLOROMETHANE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.52	3.7	U	N/A	Yes
068SS-0003M-0001-SO	BROMODICHLOROMETHANE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.21	3.7	U	N/A	Yes
068SS-0003M-0001-SO	BROMOFORM	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.24	3.7	U	N/A	Yes
068SS-0003M-0001-SO	BROMOMETHANE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.4	3.7	U	N/A	Yes
068SS-0003M-0001-SO	CARBON DISULFIDE	0.69	UG/KG	4	0.4		068SS-0004M-0001-SO	0.66	0.32	3.7	U	N/A	Yes
068SS-0003M-0001-SO	CARBON TETRACHLORIDE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.27	3.7	U	N/A	Yes
068SS-0003M-0001-SO	CHLOROBENZENE	0.4	UG/KG	4	0.4	UJ	068SS-0004M-0001-SO	0.37	0.24	3.7	U	N/A	Yes
068SS-0003M-0001-SO	CHLOROETHANE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.63	3.7	U	N/A	Yes
068SS-0003M-0001-SO	CHLOROFORM	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.21	3.7	U	N/A	Yes
068SS-0003M-0001-SO	CHLOROMETHANE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.3	3.7	U	N/A	Yes
068SS-0003M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.25	3.7	U	N/A	Yes
068SS-0003M-0001-SO	DIBROMOCHLOROMETHANE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.4	3.7	U	N/A	Yes
068SS-0003M-0001-SO	ETHYLBENZENE	0.4	UG/KG	4	0.4	UJ	068SS-0004M-0001-SO	0.37	0.19	3.7	U	N/A	Yes
068SS-0003M-0001-SO	METHYL ETHYL KETONE	1.6	UG/KG	16	1.6	U	068SS-0004M-0001-SO	1.5	1	15	U	N/A	Yes
068SS-0003M-0001-SO	METHYL ISOBUTYL KETONE	0.8	UG/KG	16	0.8	U	068SS-0004M-0001-SO	0.73	0.4	15	U	N/A	Yes
068SS-0003M-0001-SO	METHYLENE CHLORIDE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.49	3.7	U	N/A	Yes
068SS-0003M-0001-SO	STYRENE	0.4	UG/KG	4	0.4	UJ	068SS-0004M-0001-SO	0.14	0.11	3.7	U	N/A	Yes
068SS-0003M-0001-SO	TETRACHLOROETHYLENE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.38	3.7	U	N/A	Yes
068SS-0003M-0001-SO	TOLUENE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.2	3.7	U	N/A	Yes
068SS-0003M-0001-SO	TOTAL 1,2-DICHLOROETHENE	0.8	UG/KG	8	0.8	U	068SS-0004M-0001-SO	0.73	0.57	7.3	U	N/A	Yes
068SS-0003M-0001-SO	TRANS-1,3-DICHLOROPROPENE	0.8	UG/KG	4	0.8	U	068SS-0004M-0001-SO	0.73	0.4	3.7	U	N/A	Yes
068SS-0003M-0001-SO	TRICHLOROETHYLENE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.31	3.7	U	N/A	Yes
068SS-0003M-0001-SO	VINYL CHLORIDE	0.4	UG/KG	4	0.4	U	068SS-0004M-0001-SO	0.37	0.29	3.7	U	N/A	Yes
068SS-0003M-0001-SO	XYLENES, TOTAL	1.2	UG/KG	8	1.2	UJ	068SS-0004M-0001-SO	1.1	0.49	7.3	U	N/A	Yes
068SS-0003M-0001-SO	Nitroguanidine	0.04	mg/Kg	0.25	0.02	U	068SS-0004M-0001-SO	0.04	0.02	0.25	U	N/A	Yes
068SS-0003M-0001-SO	ALDRIN	13	UG/KG	40	13	U	068SS-0004M-0001-SO	13	40	13		N/A	Yes
068SS-0003M-0001-SO	ALPHA BHC	13	UG/KG	25	13	U	068SS-0004M-0001-SO	13	25	13		N/A	Yes
068SS-0003M-0001-SO	ALPHA ENDOSULFAN	6.7	UG/KG	17	6.7	U	068SS-0004M-0001-SO	6.7	17	6.7		N/A	Yes
068SS-0003M-0001-SO	ALPHA-CHLORDANE	13	UG/KG	30	13	U	068SS-0004M-0001-SO	13	30	13		N/A	Yes
068SS-0003M-0001-SO	BETA BHC	13	UG/KG	35	13	U	068SS-0004M-0001-SO	13	35	13		N/A	Yes
068SS-0003M-0001-SO	BETA ENDOSULFAN	13	UG/KG	25	13	J	068SS-0004M-0001-SO	13	25	13		N/A	Yes
068SS-0003M-0001-SO	DELTA BHC	13	UG/KG	40	13	U	068SS-0004M-0001-SO	13	40	13		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SS-0003M-0001-SO	DIELDRIN	6.7	UG/KG	17	6.7	U	068SS-0004M-0001-SO	6.7	17	6.7		N/A	Yes
068SS-0003M-0001-SO	ENDOSULFAN SULFATE	13	UG/KG	30	13	U	068SS-0004M-0001-SO	13	30	13		N/A	Yes
068SS-0003M-0001-SO	ENDRIN	6.7	UG/KG	17	6.7	U	068SS-0004M-0001-SO	6.7	17	6.7		N/A	Yes
068SS-0003M-0001-SO	ENDRIN ALDEHYDE	13	UG/KG	30	13	U	068SS-0004M-0001-SO	13	30	13		N/A	Yes
068SS-0003M-0001-SO	ENDRIN KETONE	6.7	UG/KG	20	6.7	U	068SS-0004M-0001-SO	6.7	20	6.7		N/A	Yes
068SS-0003M-0001-SO	GAMMA BHC (LINDANE)	13	UG/KG	25	13	U	068SS-0004M-0001-SO	13	25	13		N/A	Yes
068SS-0003M-0001-SO	GAMMA-CHLORDANE	6.7	UG/KG	17	6.7	U	068SS-0004M-0001-SO	6.7	17	6.7		N/A	Yes
068SS-0003M-0001-SO	HEPTACHLOR	13	UG/KG	35	13	U	068SS-0004M-0001-SO	13	35	13		N/A	Yes
068SS-0003M-0001-SO	HEPTACHLOR EPOXIDE	13	UG/KG	25	13		068SS-0004M-0001-SO	13	25	13		N/A	Yes
068SS-0003M-0001-SO	METHOXYCHLOR	33	UG/KG	50	33	U	068SS-0004M-0001-SO	33	50	33		N/A	Yes
068SS-0003M-0001-SO	P,P'-DDD	6.7	UG/KG	20	6.7		068SS-0004M-0001-SO	6.7	20	6.7		N/A	Yes
068SS-0003M-0001-SO	P,P'-DDE	6.7	UG/KG	17	6.7	U	068SS-0004M-0001-SO	6.7	17	6.7		N/A	Yes
068SS-0003M-0001-SO	P,P'-DDT	6.7	UG/KG	20	6.7	U	068SS-0004M-0001-SO	6.7	20	6.7		N/A	Yes
068SS-0003M-0001-SO	TOXAPHENE	200	UG/KG	670	200	U	068SS-0004M-0001-SO	200	670	200		N/A	Yes
068SS-0003M-0001-SO	ALUMINUM	13000	MG/KG	8.5	3.4		068SS-0004M-0001-SO	16000	40	16		21	N/A
068SS-0003M-0001-SO	ANTIMONY	2.16	MG/KG	0.85	0.64	J-	068SS-0004M-0001-SO	0.6	0.79	0.6	U	N/A	No
068SS-0003M-0001-SO	ARSENIC	12	MG/KG	0.43	0.13		068SS-0004M-0001-SO	11	0.4	0.12		9	N/A
068SS-0003M-0001-SO	BARIUM	90.5	MG/KG	2.1	1.3		068SS-0004M-0001-SO	83	2	1.2		9	N/A
068SS-0003M-0001-SO	BERYLLIUM	0.87	MG/KG	0.085	0.0085		068SS-0004M-0001-SO	0.83	0.079	0.0079		5	N/A
068SS-0003M-0001-SO	CADMIUM	0.12	MG/KG	0.17	0.0085	J	068SS-0004M-0001-SO	0.1	0.16	0.0079	J	N/A	Yes
068SS-0003M-0001-SO	CALCIUM	3900	MG/KG	170	85		068SS-0004M-0001-SO	3900	160	79		0	N/A
068SS-0003M-0001-SO	CHROMIUM	22	MG/KG	0.43	0.38		068SS-0004M-0001-SO	24	2	1.8		9	N/A
068SS-0003M-0001-SO	COBALT	13	MG/KG	0.085	0.013		068SS-0004M-0001-SO	11	0.4	0.06		17	N/A
068SS-0003M-0001-SO	COPPER	18	MG/KG	0.34	0.26		068SS-0004M-0001-SO	22	1.6	1.2		20	N/A
068SS-0003M-0001-SO	IRON	29800	MG/KG	210	130		068SS-0004M-0001-SO	29000	200	120		3	N/A
068SS-0003M-0001-SO	LEAD	26.3	MG/KG	1.3	0.85		068SS-0004M-0001-SO	16	1.2	0.79		49	N/A
068SS-0003M-0001-SO	MAGNESIUM	3700	MG/KG	85	21		068SS-0004M-0001-SO	4500	400	99		20	N/A
068SS-0003M-0001-SO	MANGANESE	386	MG/KG	2.1	1.7	J	068SS-0004M-0001-SO	280	0.4	0.32		32	N/A
068SS-0003M-0001-SO	NICKEL	28	MG/KG	0.43	0.21		068SS-0004M-0001-SO	33	2	0.99		16	N/A
068SS-0003M-0001-SO	POTASSIUM	1200	MG/KG	85	8.5		068SS-0004M-0001-SO	1600	79	7.9		29	N/A
068SS-0003M-0001-SO	SELENIUM	0.57	MG/KG	0.43	0.051	J	068SS-0004M-0001-SO	0.56	0.4	0.048		N/A	Yes
068SS-0003M-0001-SO	SILVER	0.029	MG/KG	0.085	0.043	J	068SS-0004M-0001-SO	0.03	0.079	0.04	J	N/A	Yes
068SS-0003M-0001-SO	SODIUM	52	MG/KG	85	34	U	068SS-0004M-0001-SO	72	400	160	J	N/A	Yes
068SS-0003M-0001-SO	THALLIUM	7.97	MG/KG	0.85	0.64		068SS-0004M-0001-SO	0.26	0.79	0.6	J	N/A	No
068SS-0003M-0001-SO	VANADIUM	21	MG/KG	0.43	0.085		068SS-0004M-0001-SO	24	2	0.4		13	N/A
068SS-0003M-0001-SO	ZINC	63	MG/KG	3.4	1.7		068SS-0004M-0001-SO	74	16	7.9		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SS-0003M-0001-SO	MERCURY	0.046	MG/KG	0.098	0.032	U	068SS-0004M-0001-SO	0.037	0.11	0.037	J	N/A	Yes
068SS-0003M-0001-SO	PCB-1016	25	UG/KG	65	25	U	068SS-0004M-0001-SO	25	65	25	U	N/A	Yes
068SS-0003M-0001-SO	PCB-1221	25	UG/KG	50	25	U	068SS-0004M-0001-SO	25	50	25	U	N/A	Yes
068SS-0003M-0001-SO	PCB-1232	25	UG/KG	45	25	U	068SS-0004M-0001-SO	25	45	25	U	N/A	Yes
068SS-0003M-0001-SO	PCB-1242	25	UG/KG	40	25	U	068SS-0004M-0001-SO	25	40	25	U	N/A	Yes
068SS-0003M-0001-SO	PCB-1248	25	UG/KG	55	25	U	068SS-0004M-0001-SO	25	55	25	U	N/A	Yes
068SS-0003M-0001-SO	PCB-1254	25	UG/KG	55	25	U	068SS-0004M-0001-SO	25	55	25	U	N/A	Yes
068SS-0003M-0001-SO	PCB-1260	25	UG/KG	55	25	U	068SS-0004M-0001-SO	25	55	25	U	N/A	Yes
068SW-0016-0001-SW	ALUMINUM	320	UG/L	60	60		068SW-0014-0001-SW	250	60	60		N/A	No
068SW-0016-0001-SW	ANTIMONY	1	UG/L	2	0.5		068SW-0014-0001-SW	0.5	2	0.5	U	N/A	Yes
068SW-0016-0001-SW	ARSENIC	0.78	UG/L	5	1		068SW-0014-0001-SW	0.7	5	1	J	N/A	Yes
068SW-0016-0001-SW	BARIUM	34	UG/L	5	4	J	068SW-0014-0001-SW	32	5	4		6	N/A
068SW-0016-0001-SW	BERYLLIUM	0.5	UG/L	1	0.5	U	068SW-0014-0001-SW	0.5	1	0.5	U	N/A	Yes
068SW-0016-0001-SW	CADMIUM	0.4	UG/L	2	0.4	U	068SW-0014-0001-SW	0.4	2	0.4	U	N/A	Yes
068SW-0016-0001-SW	CALCIUM	31000	UG/L	2000	1000		068SW-0014-0001-SW	33000	2000	1000		6	N/A
068SW-0016-0001-SW	CHROMIUM	1.5	UG/L	2	1.5	U	068SW-0014-0001-SW	1.5	2	1.5	U	N/A	Yes
068SW-0016-0001-SW	COBALT	0.31	UG/L	1	0.2	J	068SW-0014-0001-SW	0.2	1	0.2	U	N/A	Yes
068SW-0016-0001-SW	COPPER	1.6	UG/L	4	4		068SW-0014-0001-SW	4	4	4	U	N/A	Yes
068SW-0016-0001-SW	IRON	1300	UG/L	150	100	J+	068SW-0014-0001-SW	1000	150	100		26	N/A
068SW-0016-0001-SW	LEAD	0.59	UG/L	1	0.5	J	068SW-0014-0001-SW	0.5	1	0.5	J	N/A	Yes
068SW-0016-0001-SW	MAGNESIUM	8300	UG/L	1000	300		068SW-0014-0001-SW	9000	1000	300		8	N/A
068SW-0016-0001-SW	MANGANESE	330	UG/L	5	3		068SW-0014-0001-SW	240	5	3		32	N/A
068SW-0016-0001-SW	NICKEL	0.9	UG/L	5	1.5		068SW-0014-0001-SW	0.74	5	1.5	J	N/A	Yes
068SW-0016-0001-SW	POTASSIUM	1900	UG/L	1000	50		068SW-0014-0001-SW	2000	1000	50		N/A	Yes
068SW-0016-0001-SW	SELENIUM	0.5	UG/L	5	0.5	UJ	068SW-0014-0001-SW	0.5	5	0.5	U	N/A	Yes
068SW-0016-0001-SW	SILVER	0.93	UG/L	1	0.25	J	068SW-0014-0001-SW	0.25	1	0.25	U	N/A	Yes
068SW-0016-0001-SW	SODIUM	3900	UG/L	1000	400		068SW-0014-0001-SW	4100	1000	400		N/A	Yes
068SW-0016-0001-SW	THALLIUM	1	UG/L	2	1	U	068SW-0014-0001-SW	1	2	1	U	N/A	Yes
068SW-0016-0001-SW	VANADIUM	0.72	UG/L	5	1.5		068SW-0014-0001-SW	0.55	5	1.5	J	N/A	Yes
068SW-0016-0001-SW	ZINC	20	UG/L	40	20	U	068SW-0014-0001-SW	20	40	20	U	N/A	Yes
068SW-0016-0001-SW	MERCURY	0.2	UG/L	0.2	0.2		068SW-0014-0001-SW	0.2	0.2	0.2	U	N/A	Yes
068SW-0016-0001-SW	PCB-1016	0.19	UG/L	0.48	0.19	U	068SW-0014-0001-SW	0.19	0.48	0.19	U	N/A	Yes
068SW-0016-0001-SW	PCB-1221	0.19	UG/L	0.48	0.19	U	068SW-0014-0001-SW	0.19	0.48	0.19	U	N/A	Yes
068SW-0016-0001-SW	PCB-1232	0.19	UG/L	0.48	0.19	U	068SW-0014-0001-SW	0.19	0.48	0.19	U	N/A	Yes
068SW-0016-0001-SW	PCB-1242	0.38	UG/L	0.48	0.38	U	068SW-0014-0001-SW	0.38	0.48	0.38	U	N/A	Yes
068SW-0016-0001-SW	PCB-1248	0.19	UG/L	0.48	0.19	U	068SW-0014-0001-SW	0.19	0.48	0.19	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SW-0016-0001-SW	PCB-1254	0.19	UG/L	0.48	0.19	U	068SW-0014-0001-SW	0.19	0.48	0.19	U	N/A	Yes
068SW-0016-0001-SW	PCB-1260	0.19	UG/L	0.48	0.19	U	068SW-0014-0001-SW	0.19	0.48	0.19	U	N/A	Yes
068SW-0016-0001-SW	1,2,4-TRICHLOROBENZENE	0.76	UG/L	0.95	0.76	UJ	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	1,2-DICHLOROBENZENE	0.76	UG/L	0.95	0.76	UJ	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	1,3-DICHLOROBENZENE	0.76	UG/L	0.95	0.76	UJ	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	1,4-DICHLOROBENZENE	0.76	UG/L	0.95	0.76	UJ	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	2,4,5-TRICHLOROPHENOL	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0016-0001-SW	2,4,6-TRICHLOROPHENOL	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0016-0001-SW	2,4-DICHLOROPHENOL	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	2,4-DIMETHYLPHENOL	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	2,4-DINITROPHENOL	2.3	UG/L	4.8	2.3	U	068SW-0014-0001-SW	2.3	4.8	2.3	U	N/A	Yes
068SW-0016-0001-SW	2,4-DINITROTOLUENE	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0016-0001-SW	2,6-DINITROTOLUENE	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0016-0001-SW	2-CHLORONAPHTHALENE	0.095	UG/L	0.95	0.095	U	068SW-0014-0001-SW	0.095	0.95	0.095	U	N/A	Yes
068SW-0016-0001-SW	2-CHLOROPHENOL	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	2-METHYLNAPHTHALENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	2-METHYLPHENOL (O-CRESOL)	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	2-NITROANILINE	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	2-NITROPHENOL	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	3,3'-DICHLOROBENZIDINE	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0016-0001-SW	3-NITROANILINE	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	4,6-DINITRO-2-METHYLPHENOL	2.3	UG/L	4.8	2.3	U	068SW-0014-0001-SW	2.3	4.8	2.3	U	N/A	Yes
068SW-0016-0001-SW	4-BROMOPHENYL PHENYL ETHER	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	4-CHLORO-3-METHYLPHENOL	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	4-CHLOROANILINE	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	4-CHLOROPHENYL PHENYL ETHER	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	4-NITROANILINE	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	4-NITROPHENOL	2.3	UG/L	4.8	2.3	U	068SW-0014-0001-SW	2.3	4.8	2.3	U	N/A	Yes
068SW-0016-0001-SW	ACENAPHTHENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	ACENAPHTHYLENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	ANTHRACENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	BENZO(A)ANTHRACENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	BENZO(A)PYRENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	BENZO(B)FLUORANTHENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	BENZO(G,H,I)PERYLENE	0.095	UG/L	0.19	0.095	UJ	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	BENZO(K)FLUORANTHENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
068SW-0016-0001-SW	BENZOIC ACID	9.5	UG/L	24	9.5	U	068SW-0014-0001-SW	9.5	24	9.5	U	N/A	Yes
068SW-0016-0001-SW	BENZYL ALCOHOL	0.76	UG/L	4.8	0.76	U	068SW-0014-0001-SW	0.76	4.8	0.76	U	N/A	Yes
068SW-0016-0001-SW	BENZYL BUTYL PHTHALATE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	BIS(2-CHLOROETHOXY) METHANE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	BIS(2-CHLOROETHYL) ETHER	0.095	UG/L	0.95	0.095	UJ	068SW-0014-0001-SW	0.095	0.95	0.095	U	N/A	Yes
068SW-0016-0001-SW	BIS(2-CHLOROISOPROPYL) ETHER	0.76	UG/L	0.95	0.76	UJ	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	BIS(2-ETHYLHEXYL) PHTHALATE	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	2.8	1.9	0.76		N/A	No
068SW-0016-0001-SW	CARBAZOLE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	CHRYSENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	CRESOLS, M & P	0.76	UG/L	1.9	0.76	U	068SW-0014-0001-SW	0.76	1.9	0.76	U	N/A	Yes
068SW-0016-0001-SW	DIBENZ(A,H)ANTHRACENE	0.095	UG/L	0.19	0.095	UJ	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	DIBENZOFURAN	0.095	UG/L	0.95	0.095	U	068SW-0014-0001-SW	0.095	0.95	0.095	U	N/A	Yes
068SW-0016-0001-SW	DIETHYL PHTHALATE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	DIMETHYL PHTHALATE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	DI-N-BUTYL PHTHALATE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	DI-N-OCTYLPHTHALATE	0.76	UG/L	0.95	0.76	UJ	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	FLUORANTHENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	FLUORENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	HEXACHLOROBENZENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	HEXACHLOROBUTADIENE	0.76	UG/L	0.95	0.76	UJ	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	HEXACHLOROCYCLOPENTADIENE	0.76	UG/L	9.5	0.76	U	068SW-0014-0001-SW	0.76	9.5	0.76	U	N/A	Yes
068SW-0016-0001-SW	HEXACHLOROETHANE	0.76	UG/L	0.95	0.76	UJ	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	INDENO(1,2,3-C,D)PYRENE	0.095	UG/L	0.19	0.095	UJ	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	ISOPHORONE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	NAPHTHALENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	NITROBENZENE	0.095	UG/L	0.95	0.095	U	068SW-0014-0001-SW	0.095	0.95	0.095	U	N/A	Yes
068SW-0016-0001-SW	N-NITROSODI-N-PROPYLAMINE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	N-NITROSODIPHENYLAMINE	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	PENTACHLOROPHENOL	2.3	UG/L	4.8	2.3	U	068SW-0014-0001-SW	2.3	4.8	2.3	U	N/A	Yes
068SW-0016-0001-SW	PHENANTHRENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes
068SW-0016-0001-SW	PHENOL	0.76	UG/L	0.95	0.76	U	068SW-0014-0001-SW	0.76	0.95	0.76	U	N/A	Yes
068SW-0016-0001-SW	PYRENE	0.095	UG/L	0.19	0.095	U	068SW-0014-0001-SW	0.095	0.19	0.095	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
069SS-0001M-0001-SO	NITROCELLULOSE	17	MG/KG	47	17	U	069SS-0002M-0001-SO	17	47	17	U	N/A	Yes
069SS-0001M-0001-SO	ALUMINUM	14000	MG/KG	2.7	0.54	J	069SS-0002M-0001-SO	13000	2.8	0.57		7	N/A
069SS-0001M-0001-SO	ANTIMONY	0.14	MG/KG	0.18	0.089	J	069SS-0002M-0001-SO	0.16	0.19	0.094		N/A	Yes
069SS-0001M-0001-SO	ARSENIC	10	MG/KG	0.089	0.045	J-	069SS-0002M-0001-SO	10	0.094	0.047		0	N/A
069SS-0001M-0001-SO	BARIUM	76	MG/KG	0.89	0.018	J	069SS-0002M-0001-SO	74	0.94	0.019		3	N/A
069SS-0001M-0001-SO	BERYLLIUM	0.82	MG/KG	0.089	0.0089		069SS-0002M-0001-SO	0.75	0.094	0.0094		9	N/A
069SS-0001M-0001-SO	CADMIUM	0.29	MG/KG	0.089	0.027	J-	069SS-0002M-0001-SO	0.27	0.094	0.028		N/A	Yes
069SS-0001M-0001-SO	CALCIUM	5300	MG/KG	8.9	2.2	J	069SS-0002M-0001-SO	5000	9.4	2.4		6	N/A
069SS-0001M-0001-SO	CHROMIUM	24	MG/KG	0.18	0.036		069SS-0002M-0001-SO	19	0.19	0.038		23	N/A
069SS-0001M-0001-SO	COBALT	11	MG/KG	0.045	0.0089		069SS-0002M-0001-SO	11	0.047	0.0094		0	N/A
069SS-0001M-0001-SO	COPPER	19	MG/KG	0.18	0.054	J-	069SS-0002M-0001-SO	30	0.19	0.057		45	N/A
069SS-0001M-0001-SO	IRON	24000	MG/KG	4.5	1.8		069SS-0002M-0001-SO	24000	4.7	1.9		0	N/A
069SS-0001M-0001-SO	LEAD	19	MG/KG	0.089	0.027		069SS-0002M-0001-SO	19	0.094	0.028		0	N/A
069SS-0001M-0001-SO	MAGNESIUM	3900	MG/KG	8.9	1.8		069SS-0002M-0001-SO	3800	9.4	1.9		3	N/A
069SS-0001M-0001-SO	MANGANESE	430	MG/KG	0.45	0.027	J	069SS-0002M-0001-SO	480	0.47	0.028		11	N/A
069SS-0001M-0001-SO	NICKEL	27	MG/KG	0.089	0.027		069SS-0002M-0001-SO	24	0.094	0.028		12	N/A
069SS-0001M-0001-SO	POTASSIUM	1500	MG/KG	8.9	5.4		069SS-0002M-0001-SO	1200	9.4	5.7		22	N/A
069SS-0001M-0001-SO	SELENIUM	0.78	MG/KG	0.45	0.089	J-	069SS-0002M-0001-SO	0.71	0.47	0.094		N/A	Yes
069SS-0001M-0001-SO	SILVER	0.034	MG/KG	0.089	0.027	J+	069SS-0002M-0001-SO	0.035	0.094	0.028		N/A	Yes
069SS-0001M-0001-SO	SODIUM	53	MG/KG	8.9	4.5	U	069SS-0002M-0001-SO	52	9.4	4.7		2	N/A
069SS-0001M-0001-SO	THALLIUM	0.23	MG/KG	0.089	0.018	U	069SS-0002M-0001-SO	0.18	0.094	0.019		N/A	Yes
069SS-0001M-0001-SO	VANADIUM	21	MG/KG	0.089	0.054		069SS-0002M-0001-SO	20	0.094	0.057		5	N/A
069SS-0001M-0001-SO	ZINC	79	MG/KG	0.45	0.18		069SS-0002M-0001-SO	78	0.47	0.19		1	N/A
069SS-0001M-0001-SO	MERCURY	0.206	MG/KG	0.11	0.035		069SS-0002M-0001-SO	0.12	0.11	0.036		N/A	Yes
069SS-0001M-0001-SO	ALDRIN	26	UG/KG	79	26	U	069SS-0002M-0001-SO	13	40	13	U	N/A	Yes
069SS-0001M-0001-SO	ALPHA BHC	26	UG/KG	49	26	U	069SS-0002M-0001-SO	13	25	13	U	N/A	Yes
069SS-0001M-0001-SO	ALPHA ENDOSULFAN	13	UG/KG	34	13	U	069SS-0002M-0001-SO	6.8	17	6.8	U	N/A	Yes
069SS-0001M-0001-SO	ALPHA-CHLORDANE	26	UG/KG	59	26	U	069SS-0002M-0001-SO	13	30	13	U	N/A	Yes
069SS-0001M-0001-SO	BETA BHC	26	UG/KG	69	26	U	069SS-0002M-0001-SO	13	35	13	U	N/A	Yes
069SS-0001M-0001-SO	BETA ENDOSULFAN	26	UG/KG	49	26	J	069SS-0002M-0001-SO	13	25	13	J	N/A	Yes
069SS-0001M-0001-SO	DELTA BHC	26	UG/KG	79	26	U	069SS-0002M-0001-SO	13	40	13	U	N/A	Yes
069SS-0001M-0001-SO	DIELDRIN	13	UG/KG	34	13	U	069SS-0002M-0001-SO	6.8	17	6.8	U	N/A	Yes
069SS-0001M-0001-SO	ENDOSULFAN SULFATE	26	UG/KG	59	26	U	069SS-0002M-0001-SO	13	30	13	U	N/A	Yes
069SS-0001M-0001-SO	ENDRIN	13	UG/KG	34	13	U	069SS-0002M-0001-SO	6.8	17	6.8	U	N/A	Yes
069SS-0001M-0001-SO	ENDRIN ALDEHYDE	26	UG/KG	59	26	U	069SS-0002M-0001-SO	13	30	13	U	N/A	Yes
069SS-0001M-0001-SO	ENDRIN KETONE	13	UG/KG	40	13	U	069SS-0002M-0001-SO	6.8	20	6.8	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
069SS-0001M-0001-SO	GAMMA BHC (LINDANE)	26	UG/KG	49	26	U	069SS-0002M-0001-SO	13	25	13	U	N/A	Yes
069SS-0001M-0001-SO	GAMMA-CHLORDANE	13	UG/KG	34	13	U	069SS-0002M-0001-SO	6.8	17	6.8	U	N/A	Yes
069SS-0001M-0001-SO	HEPTACHLOR	26	UG/KG	69	26	U	069SS-0002M-0001-SO	13	35	13	U	N/A	Yes
069SS-0001M-0001-SO	HEPTACHLOR EPOXIDE	26	UG/KG	49	26	U	069SS-0002M-0001-SO	13	25	13	U	N/A	Yes
069SS-0001M-0001-SO	METHOXYCHLOR	65	UG/KG	99	65	U	069SS-0002M-0001-SO	33	50	33	U	N/A	Yes
069SS-0001M-0001-SO	P,P'-DDD	13	UG/KG	40	13	U	069SS-0002M-0001-SO	6.8	20	6.8	U	N/A	Yes
069SS-0001M-0001-SO	P,P'-DDE	13	UG/KG	34	13	U	069SS-0002M-0001-SO	6.8	17	6.8	U	N/A	Yes
069SS-0001M-0001-SO	P,P'-DDT	13	UG/KG	40	13	U	069SS-0002M-0001-SO	6.8	20	6.8	U	N/A	Yes
069SS-0001M-0001-SO	TOXAPHENE	400	UG/KG	1300	400	U	069SS-0002M-0001-SO	200	680	200	U	N/A	Yes
069SS-0001M-0001-SO	PCB-1016	24	UG/KG	64	24	U	069SS-0002M-0001-SO	25	66	25	U	N/A	Yes
069SS-0001M-0001-SO	PCB-1221	24	UG/KG	49	24	U	069SS-0002M-0001-SO	25	50	25	U	N/A	Yes
069SS-0001M-0001-SO	PCB-1232	24	UG/KG	44	24	U	069SS-0002M-0001-SO	25	45	25	U	N/A	Yes
069SS-0001M-0001-SO	PCB-1242	24	UG/KG	40	24	U	069SS-0002M-0001-SO	25	40	25	U	N/A	Yes
069SS-0001M-0001-SO	PCB-1248	24	UG/KG	54	24	U	069SS-0002M-0001-SO	25	55	25	U	N/A	Yes
069SS-0001M-0001-SO	PCB-1254	24	UG/KG	54	24	U	069SS-0002M-0001-SO	25	55	25	U	N/A	Yes
069SS-0001M-0001-SO	PCB-1260	41	UG/KG	54	24	J	069SS-0002M-0001-SO	25	55	25	U	N/A	Yes
069SS-0001M-0001-SO	1,1,1-TRICHLOROETHANE	0.97	UG/KG	4.9	0.97	U	069SS-0002M-0001-SO	1	5	1	U	N/A	Yes
069SS-0001M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	1,1,2-TRICHLOROETHANE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	1,1-DICHLOROETHANE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	1,1-DICHLOROETHENE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	1,2-DIBROMOETHANE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	1,2-DICHLOROETHANE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	1,2-DICHLOROPROPANE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	2-HEXANONE	1	UG/KG	20	1	U	069SS-0002M-0001-SO	1.4	18	0.91	J	N/A	Yes
069SS-0001M-0001-SO	ACETONE	6.1	UG/KG	19	6.1	U	069SS-0002M-0001-SO	6.3	20	6.3	U	N/A	Yes
069SS-0001M-0001-SO	BENZENE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	BROMOCHLOROMETHANE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	BROMODICHLOROMETHANE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	BROMOFORM	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	BROMOMETHANE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	CARBON DISULFIDE	0.51	UG/KG	5.1	0.51	UJ	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	CARBON TETRACHLORIDE	0.49	UG/KG	4.9	0.49	U	069SS-0002M-0001-SO	0.5	5	0.5	U	N/A	Yes
069SS-0001M-0001-SO	CHLOROBENZENE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	CHLOROETHANE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	CHLOROFORM	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
069SS-0001M-0001-SO	CHLOROMETHANE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	DIBROMOCHLOROMETHANE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	ETHYLBENZENE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	METHYL ETHYL KETONE	2	UG/KG	20	2	U	069SS-0002M-0001-SO	1.8	18	1.8	U	N/A	Yes
069SS-0001M-0001-SO	METHYL ISOBUTYL KETONE	1	UG/KG	20	1	U	069SS-0002M-0001-SO	0.93	18	0.91	J	N/A	Yes
069SS-0001M-0001-SO	METHYLENE CHLORIDE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	STYRENE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	TERT-BUTYL METHYL ETHER	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	TETRACHLOROETHYLENE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	TOLUENE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	TOTAL 1,2-DICHLOROETHENE	1	UG/KG	10	1	U	069SS-0002M-0001-SO	0.91	9.1	0.91	U	N/A	Yes
069SS-0001M-0001-SO	TRANS-1,3-DICHLOROPROPENE	1	UG/KG	5.1	1	U	069SS-0002M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
069SS-0001M-0001-SO	TRICHLOROETHYLENE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	VINYL CHLORIDE	0.51	UG/KG	5.1	0.51	U	069SS-0002M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
069SS-0001M-0001-SO	XYLENES, TOTAL	1.5	UG/KG	10	1.5	U	069SS-0002M-0001-SO	1.4	9.1	1.4	U	N/A	Yes
069SS-0001M-0001-SO	1,2,4-TRICHLOROBENZENE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	1,2-DICHLOROBENZENE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	1,3-DICHLOROBENZENE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	1,4-DICHLOROBENZENE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	2,4,5-TRICHLOROPHENOL	140	UG/KG	750	140	U	069SS-0002M-0001-SO	110	600	110	U	N/A	Yes
069SS-0001M-0001-SO	2,4,6-TRICHLOROPHENOL	400	UG/KG	750	400	U	069SS-0002M-0001-SO	320	600	320	U	N/A	Yes
069SS-0001M-0001-SO	2,4-DICHLOROPHENOL	140	UG/KG	750	140	U	069SS-0002M-0001-SO	110	600	110	U	N/A	Yes
069SS-0001M-0001-SO	2,4-DIMETHYLPHENOL	400	UG/KG	750	400	U	069SS-0002M-0001-SO	320	600	320	U	N/A	Yes
069SS-0001M-0001-SO	2,4-DINITROPHENOL	400	UG/KG	1700	400	J	069SS-0002M-0001-SO	320	1300	320	J	N/A	Yes
069SS-0001M-0001-SO	2,4-DINITROTOLUENE	140	UG/KG	1000	140	R	069SS-0002M-0001-SO	110	800	110	U	N/A	N/A
069SS-0001M-0001-SO	2,6-DINITROTOLUENE	140	UG/KG	1000	140	R	069SS-0002M-0001-SO	110	800	110	U	N/A	N/A
069SS-0001M-0001-SO	2-CHLORONAPHTHALENE	17	UG/KG	250	17	U	069SS-0002M-0001-SO	13	200	13	U	N/A	Yes
069SS-0001M-0001-SO	2-CHLOROPHENOL	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	2-METHYLNAPHTHALENE	20	UG/KG	34	17	J	069SS-0002M-0001-SO	21	27	13	J	N/A	Yes
069SS-0001M-0001-SO	2-METHYLPHENOL	400	UG/KG	1000	400	U	069SS-0002M-0001-SO	320	800	320	U	N/A	Yes
069SS-0001M-0001-SO	2-NITROANILINE	140	UG/KG	1000	140	U	069SS-0002M-0001-SO	110	800	110	U	N/A	Yes
069SS-0001M-0001-SO	2-NITROPHENOL	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	3,3'-DICHLOROBENZIDINE	400	UG/KG	500	400	R	069SS-0002M-0001-SO	320	400	320	U	N/A	N/A
069SS-0001M-0001-SO	3-NITROANILINE	400	UG/KG	1000	400	U	069SS-0002M-0001-SO	320	800	320	U	N/A	Yes
069SS-0001M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	400	UG/KG	750	400	UJ	069SS-0002M-0001-SO	320	600	320	J	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
069SS-0001M-0001-SO	4-BROMOPHENYL PHENYL ETHER	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	4-CHLORO-3-METHYLPHENOL	140	UG/KG	750	140	U	069SS-0002M-0001-SO	110	600	110	U	N/A	Yes
069SS-0001M-0001-SO	4-CHLOROANILINE	140	UG/KG	750	140	U	069SS-0002M-0001-SO	110	600	110	U	N/A	Yes
069SS-0001M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	4-NITROANILINE	140	UG/KG	1000	140	U	069SS-0002M-0001-SO	110	800	110	U	N/A	Yes
069SS-0001M-0001-SO	4-NITROPHENOL	400	UG/KG	1700	400	UJ	069SS-0002M-0001-SO	320	1300	320	J	N/A	Yes
069SS-0001M-0001-SO	ACENAPHTHENE	17	UG/KG	34	17	U	069SS-0002M-0001-SO	13	27	13	U	N/A	Yes
069SS-0001M-0001-SO	ACENAPHTHYLENE	17	UG/KG	34	17	U	069SS-0002M-0001-SO	16	27	13	J	N/A	Yes
069SS-0001M-0001-SO	ANTHRACENE	17	UG/KG	34	17	U	069SS-0002M-0001-SO	18	27	13	J	N/A	Yes
069SS-0001M-0001-SO	BENZO(A)ANTHRACENE	54	UG/KG	34	17		069SS-0002M-0001-SO	120	27	13		N/A	No
069SS-0001M-0001-SO	BENZO(A)PYRENE	93	UG/KG	34	17		069SS-0002M-0001-SO	120	27	13		N/A	Yes
069SS-0001M-0001-SO	BENZO(B)FLUORANTHENE	90	UG/KG	34	17		069SS-0002M-0001-SO	150	27	13		N/A	No
069SS-0001M-0001-SO	BENZO(G,H,I)PERYLENE	52	UG/KG	34	17		069SS-0002M-0001-SO	63	27	13		N/A	Yes
069SS-0001M-0001-SO	BENZO(K)FLUORANTHENE	28	UG/KG	34	17	J	069SS-0002M-0001-SO	45	27	13		N/A	Yes
069SS-0001M-0001-SO	BENZOIC ACID	1700	UG/KG	3300	1700	R	069SS-0002M-0001-SO	1300	2600	1300	U	N/A	N/A
069SS-0001M-0001-SO	BENZYL ALCOHOL	140	UG/KG	1700	140	U	069SS-0002M-0001-SO	110	1300	110	U	N/A	Yes
069SS-0001M-0001-SO	BENZYL BUTYL PHTHALATE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	140	UG/KG	500	140	U	069SS-0002M-0001-SO	110	400	110	U	N/A	Yes
069SS-0001M-0001-SO	BIS(2-CHLOROETHYL) ETHER	17	UG/KG	500	17	U	069SS-0002M-0001-SO	13	400	13	U	N/A	Yes
069SS-0001M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	140	UG/KG	500	140	U	069SS-0002M-0001-SO	110	400	110	U	N/A	Yes
069SS-0001M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	CARBAZOLE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	CHRYSENE	72	UG/KG	34	17		069SS-0002M-0001-SO	130	27	13		N/A	No
069SS-0001M-0001-SO	CRESOLS, M & P	400	UG/KG	2000	400	U	069SS-0002M-0001-SO	320	1600	320	U	N/A	Yes
069SS-0001M-0001-SO	DIBENZ(A,H)ANTHRACENE	17	UG/KG	34	17	U	069SS-0002M-0001-SO	13	27	13	U	N/A	Yes
069SS-0001M-0001-SO	DIBENZOFURAN	17	UG/KG	250	17	U	069SS-0002M-0001-SO	13	200	13	U	N/A	Yes
069SS-0001M-0001-SO	DIETHYL PHTHALATE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	DIMETHYL PHTHALATE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	DI-N-BUTYL PHTHALATE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	DI-N-OCTYLPHTHALATE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	FLUORANTHENE	120	UG/KG	34	17		069SS-0002M-0001-SO	190	27	13		N/A	No
069SS-0001M-0001-SO	FLUORENE	17	UG/KG	34	17	U	069SS-0002M-0001-SO	13	27	13	U	N/A	Yes
069SS-0001M-0001-SO	HEXACHLOROBENZENE	17	UG/KG	34	17	U	069SS-0002M-0001-SO	13	27	13	U	N/A	Yes
069SS-0001M-0001-SO	HEXACHLOROBUTADIENE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	HEXACHLOROCYCLOPENTADIENE	140	UG/KG	1700	140	U	069SS-0002M-0001-SO	110	1300	110	U	N/A	Yes
069SS-0001M-0001-SO	HEXACHLOROETHANE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
069SS-0001M-0001-SO	INDENO(1,2,3-C,D)PYRENE	69	UG/KG	34	17		069SS-0002M-0001-SO	82	27	13		N/A	Yes
069SS-0001M-0001-SO	ISOPHORONE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	NAPHTHALENE	18	UG/KG	34	17	J	069SS-0002M-0001-SO	13	27	13	U	N/A	Yes
069SS-0001M-0001-SO	NITROBENZENE	17	UG/KG	500	17	U	069SS-0002M-0001-SO	13	400	13	U	N/A	Yes
069SS-0001M-0001-SO	N-NITROSODI-N-PROPYLAMINE	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	N-NITROSODIPHENYLAMINE	140	UG/KG	250	140	R	069SS-0002M-0001-SO	110	200	110	U	N/A	N/A
069SS-0001M-0001-SO	PENTACHLOROPHENOL	400	UG/KG	750	400	U	069SS-0002M-0001-SO	320	600	320	U	N/A	Yes
069SS-0001M-0001-SO	PHENANTHRENE	53	UG/KG	34	17		069SS-0002M-0001-SO	65	27	13		N/A	Yes
069SS-0001M-0001-SO	PHENOL	140	UG/KG	250	140	U	069SS-0002M-0001-SO	110	200	110	U	N/A	Yes
069SS-0001M-0001-SO	PYRENE	86	UG/KG	34	17		069SS-0002M-0001-SO	170	27	13		N/A	No
069SS-0001M-0001-SO	1,3,5-TRINITROBENZENE	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	1,3-DINITROBENZENE	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	2,4,6-TRINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	2,4-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	2-AMINO-4,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	2-NITROTOLUENE	0.05	MG/KG	0.25	0.05	UJ	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	3-NITROTOLUENE	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	4-AMINO-2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	4-NITROTOLUENE	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	HMX	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	NITROBENZENE	0.05	MG/KG	0.25	0.05	R	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	N/A
069SS-0001M-0001-SO	NITROGLYCERIN	0.25	MG/KG	0.5	0.25	U	069SS-0002M-0001-SO	0.25	0.49	0.25	U	N/A	Yes
069SS-0001M-0001-SO	NITROGUANIDINE	0.039	MG/KG	0.24	0.039	U	069SS-0002M-0001-SO	0.34	0.24	0.038		N/A	No
069SS-0001M-0001-SO	PETN	0.25	MG/KG	0.5	0.25	U	069SS-0002M-0001-SO	0.25	0.49	0.25	U	N/A	Yes
069SS-0001M-0001-SO	RDX	0.05	MG/KG	0.25	0.05	UJ	069SS-0002M-0001-SO	0.049	0.25	0.049	U	N/A	Yes
069SS-0001M-0001-SO	TETRYL	0.05	MG/KG	0.25	0.05	U	069SS-0002M-0001-SO	0.073	0.25	0.049	J	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0009M-0001-SO	ALUMINUM	7500	MG/KG	2.9	0.57		073SB-0010M-0001-SO	11000	2.4	0.49		38	N/A
073SB-0009M-0001-SO	ANTIMONY	0.065	MG/KG	0.19	0.095	J-	073SB-0010M-0001-SO	0.058	0.16	0.081	J	N/A	Yes
073SB-0009M-0001-SO	ARSENIC	7.8	MG/KG	0.095	0.048	J-	073SB-0010M-0001-SO	13	0.081	0.041		50	N/A
073SB-0009M-0001-SO	BARIUM	44	MG/KG	0.95	0.019		073SB-0010M-0001-SO	52	0.81	0.016		17	N/A
073SB-0009M-0001-SO	BERYLLIUM	0.43	MG/KG	0.095	0.0095		073SB-0010M-0001-SO	0.62	0.081	0.0081		N/A	No
073SB-0009M-0001-SO	CADMIUM	0.18	MG/KG	0.095	0.029	J+	073SB-0010M-0001-SO	0.15	0.081	0.024		N/A	Yes
073SB-0009M-0001-SO	CALCIUM	6500	MG/KG	9.5	2.4	J-	073SB-0010M-0001-SO	4500	8.1	2		36	N/A
073SB-0009M-0001-SO	CHROMIUM	14	MG/KG	0.19	0.038	J+	073SB-0010M-0001-SO	17	0.16	0.033		19	N/A
073SB-0009M-0001-SO	COBALT	7.7	MG/KG	0.048	0.0095		073SB-0010M-0001-SO	9.9	0.041	0.0081		25	N/A
073SB-0009M-0001-SO	COPPER	14	MG/KG	0.19	0.057	J-	073SB-0010M-0001-SO	19	0.16	0.049		30	N/A
073SB-0009M-0001-SO	IRON	18000	MG/KG	4.8	1.9		073SB-0010M-0001-SO	24000	4.1	1.6		29	N/A
073SB-0009M-0001-SO	LEAD	10	MG/KG	0.095	0.029		073SB-0010M-0001-SO	11	0.081	0.024		10	N/A
073SB-0009M-0001-SO	MAGNESIUM	2900	MG/KG	9.5	1.9		073SB-0010M-0001-SO	3400	8.1	1.6		16	N/A
073SB-0009M-0001-SO	MANGANESE	280	MG/KG	0.48	0.029		073SB-0010M-0001-SO	300	0.41	0.024		7	N/A
073SB-0009M-0001-SO	NICKEL	19	MG/KG	0.095	0.029		073SB-0010M-0001-SO	24	0.081	0.024		23	N/A
073SB-0009M-0001-SO	POTASSIUM	1100	MG/KG	9.5	5.7	J+	073SB-0010M-0001-SO	1600	8.1	4.9		37	N/A
073SB-0009M-0001-SO	SELENIUM	0.71	MG/KG	0.48	0.095	J-	073SB-0010M-0001-SO	0.7	0.41	0.081		N/A	Yes
073SB-0009M-0001-SO	SILVER	0.024	MG/KG	0.095	0.029		073SB-0010M-0001-SO	0.019	0.081	0.024	J	N/A	Yes
073SB-0009M-0001-SO	SODIUM	78	MG/KG	9.5	4.8		073SB-0010M-0001-SO	58	8.1	4.1		29	N/A
073SB-0009M-0001-SO	THALLIUM	0.13	MG/KG	0.095	0.019	J-	073SB-0010M-0001-SO	0.16	0.081	0.016		N/A	Yes
073SB-0009M-0001-SO	VANADIUM	13	MG/KG	0.095	0.057	J+	073SB-0010M-0001-SO	16	0.081	0.049		21	N/A
073SB-0009M-0001-SO	ZINC	45	MG/KG	0.48	0.19	J-	073SB-0010M-0001-SO	58	0.41	0.16		25	N/A
073SB-0009M-0001-SO	MERCURY	0.026	MG/KG	0.092	0.03		073SB-0010M-0001-SO	0.019	0.087	0.029	J	N/A	Yes
073SB-0009M-0001-SO	1,2,4-TRICHLOROBENZENE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	1,2-DICHLOROBENZENE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	1,3-DICHLOROBENZENE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	1,4-DICHLOROBENZENE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	2,2'-DICHLORODIISOPROPYL ETHER	16	UG/KG	490	16	U	073SB-0010M-0001-SO	17	500	17	U	N/A	Yes
073SB-0009M-0001-SO	2,4,5-TRICHLOROPHENOL	130	UG/KG	740	130	U	073SB-0010M-0001-SO	140	760	140	U	N/A	Yes
073SB-0009M-0001-SO	2,4,6-TRICHLOROPHENOL	390	UG/KG	740	390	U	073SB-0010M-0001-SO	400	760	400	U	N/A	Yes
073SB-0009M-0001-SO	2,4-DICHLOROPHENOL	130	UG/KG	740	130	U	073SB-0010M-0001-SO	140	760	140	U	N/A	Yes
073SB-0009M-0001-SO	2,4-DIMETHYLPHENOL	390	UG/KG	740	390	U	073SB-0010M-0001-SO	400	760	400	U	N/A	Yes
073SB-0009M-0001-SO	2,4-DINITROPHENOL	390	UG/KG	1600	390	U	073SB-0010M-0001-SO	400	1700	400	U	N/A	Yes
073SB-0009M-0001-SO	2,4-DINITROTOLUENE	130	UG/KG	990	130	R	073SB-0010M-0001-SO	140	1000	140	U	N/A	Yes
073SB-0009M-0001-SO	2,6-DINITROTOLUENE	130	UG/KG	990	130	R	073SB-0010M-0001-SO	140	1000	140	U	N/A	Yes
073SB-0009M-0001-SO	2-CHLORONAPHTHALENE	16	UG/KG	250	16	U	073SB-0010M-0001-SO	17	250	17	U	N/A	Yes
073SB-0009M-0001-SO	2-CHLOROPHENOL	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	2-METHYLNAPHTHALENE	23	UG/KG	33	16		073SB-0010M-0001-SO	17	34	17	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0009M-0001-SO	2-METHYLPHENOL (O-CRESOL)	390	UG/KG	990	390	U	073SB-0010M-0001-SO	400	1000	400	U	N/A	Yes
073SB-0009M-0001-SO	2-NITROANILINE	130	UG/KG	990	130	U	073SB-0010M-0001-SO	140	1000	140	U	N/A	Yes
073SB-0009M-0001-SO	2-NITROPHENOL	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	3,3'-DICHLOROBENZIDINE	390	UG/KG	490	390	UJ	073SB-0010M-0001-SO	400	500	400	U	N/A	Yes
073SB-0009M-0001-SO	3-NITROANILINE	390	UG/KG	990	390	U	073SB-0010M-0001-SO	400	1000	400	U	N/A	Yes
073SB-0009M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	390	UG/KG	740	390	U	073SB-0010M-0001-SO	400	760	400	U	N/A	Yes
073SB-0009M-0001-SO	4-BROMOPHENYL PHENYL ETHER	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	4-CHLORO-3-METHYLPHENOL	130	UG/KG	740	130	U	073SB-0010M-0001-SO	140	760	140	U	N/A	Yes
073SB-0009M-0001-SO	4-CHLOROANILINE	130	UG/KG	740	130	U	073SB-0010M-0001-SO	140	760	140	U	N/A	Yes
073SB-0009M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	4-NITROANILINE	130	UG/KG	990	130	U	073SB-0010M-0001-SO	140	1000	140	U	N/A	Yes
073SB-0009M-0001-SO	4-NITROPHENOL	390	UG/KG	1600	390	U	073SB-0010M-0001-SO	400	1700	400	U	N/A	Yes
073SB-0009M-0001-SO	ACENAPHTHENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	ACENAPHTHYLENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	ANTHRACENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	BENZO(A)ANTHRACENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	BENZO(A)PYRENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	BENZO(B)FLUORANTHENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	BENZO(G,H,I)PERYLENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	BENZO(K)FLUORANTHENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	BENZOIC ACID	1600	UG/KG	3300	1600	U	073SB-0010M-0001-SO	1700	3300	1700	U	N/A	Yes
073SB-0009M-0001-SO	BENZYL ALCOHOL	130	UG/KG	1600	130	U	073SB-0010M-0001-SO	140	1700	140	U	N/A	Yes
073SB-0009M-0001-SO	BENZYL BUTYL PHTHALATE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	130	UG/KG	490	130	U	073SB-0010M-0001-SO	140	500	140	U	N/A	Yes
073SB-0009M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	130	UG/KG	490	130	U	073SB-0010M-0001-SO	140	500	140	U	N/A	Yes
073SB-0009M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	CARBAZOLE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	CHRYSENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	CRESOLS, M & P	390	UG/KG	2000	390	U	073SB-0010M-0001-SO	400	2000	400	U	N/A	Yes
073SB-0009M-0001-SO	DIBENZ(A,H)ANTHRACENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	DIBENZOFURAN	16	UG/KG	250	16	U	073SB-0010M-0001-SO	17	250	17	U	N/A	Yes
073SB-0009M-0001-SO	DIETHYL PHTHALATE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	DIMETHYL PHTHALATE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	DI-N-BUTYL PHTHALATE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	DI-N-OCTYLPHTHALATE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	FLUORANTHENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	FLUORENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	HEXACHLOROBENZENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0009M-0001-SO	HEXACHLOROBUTADIENE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	HEXACHLOROCYCLOPENTADIENE	130	UG/KG	1600	130	U	073SB-0010M-0001-SO	140	1700	140	U	N/A	Yes
073SB-0009M-0001-SO	HEXACHLOROETHANE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	INDENO(1,2,3-C,D)PYRENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	ISOPHORONE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	NAPHTHALENE	16	UG/KG	33	16	U	073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	NITROBENZENE	16	UG/KG	490	16	U	073SB-0010M-0001-SO	17	500	17	U	N/A	Yes
073SB-0009M-0001-SO	N-NITROSODI-N-PROPYLAMINE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	N-NITROSODIPHENYLAMINE	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	PENTACHLOROPHENOL	390	UG/KG	740	390	U	073SB-0010M-0001-SO	400	760	400	U	N/A	Yes
073SB-0009M-0001-SO	PHENANTHRENE	27	UG/KG	33	16		073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0009M-0001-SO	PHENOL	130	UG/KG	250	130	U	073SB-0010M-0001-SO	140	250	140	U	N/A	Yes
073SB-0009M-0001-SO	PYRENE	17	UG/KG	33	16		073SB-0010M-0001-SO	17	34	17	U	N/A	Yes
073SB-0016M-0001-SO	ALUMINUM	5500	MG/KG	3	0.6		073SB-0017M-0001-SO	5300	3	0.59		4	N/A
073SB-0016M-0001-SO	ANTIMONY	0.047	MG/KG	0.2	0.1	J-	073SB-0017M-0001-SO	0.099	0.2	0.099	U	N/A	Yes
073SB-0016M-0001-SO	ARSENIC	7.3	MG/KG	0.1	0.05	J-	073SB-0017M-0001-SO	6.6	0.099	0.05		10	N/A
073SB-0016M-0001-SO	BARIUM	50	MG/KG	1	0.02		073SB-0017M-0001-SO	48	0.99	0.02		4	N/A
073SB-0016M-0001-SO	BERYLLIUM	0.38	MG/KG	0.1	0.01	J-	073SB-0017M-0001-SO	0.36	0.099	0.0099		N/A	Yes
073SB-0016M-0001-SO	CADMIUM	0.2	MG/KG	0.1	0.03	J+	073SB-0017M-0001-SO	0.19	0.099	0.03		N/A	Yes
073SB-0016M-0001-SO	CALCIUM	5500	MG/KG	10	2.5	J-	073SB-0017M-0001-SO	2000	9.9	2.5		93	N/A
073SB-0016M-0001-SO	CHROMIUM	9.6	MG/KG	0.2	0.04		073SB-0017M-0001-SO	8.8	0.2	0.04		9	N/A
073SB-0016M-0001-SO	COBALT	6.6	MG/KG	0.05	0.01		073SB-0017M-0001-SO	6.3	0.05	0.0099		5	N/A
073SB-0016M-0001-SO	COPPER	12	MG/KG	0.2	0.06	J-	073SB-0017M-0001-SO	11	0.2	0.059		9	N/A
073SB-0016M-0001-SO	IRON	14000	MG/KG	5	2		073SB-0017M-0001-SO	14000	5	2		0	N/A
073SB-0016M-0001-SO	LEAD	11	MG/KG	0.1	0.03		073SB-0017M-0001-SO	10	0.099	0.03		10	N/A
073SB-0016M-0001-SO	MAGNESIUM	1800	MG/KG	10	2		073SB-0017M-0001-SO	1600	9.9	2		12	N/A
073SB-0016M-0001-SO	MANGANESE	360	MG/KG	0.5	0.03		073SB-0017M-0001-SO	400	0.5	0.03		11	N/A
073SB-0016M-0001-SO	NICKEL	15	MG/KG	0.1	0.03		073SB-0017M-0001-SO	14	0.099	0.03		7	N/A
073SB-0016M-0001-SO	POTASSIUM	560	MG/KG	10	6		073SB-0017M-0001-SO	540	9.9	5.9		4	N/A
073SB-0016M-0001-SO	SELENIUM	0.25	MG/KG	0.5	0.1	J-	073SB-0017M-0001-SO	0.26	0.5	0.099	J	N/A	Yes
073SB-0016M-0001-SO	SILVER	0.24	MG/KG	0.1	0.03		073SB-0017M-0001-SO	0.23	0.099	0.03		N/A	Yes
073SB-0016M-0001-SO	SODIUM	32	MG/KG	10	5		073SB-0017M-0001-SO	33	9.9	5		N/A	Yes
073SB-0016M-0001-SO	THALLIUM	0.091	MG/KG	0.1	0.02	J+	073SB-0017M-0001-SO	0.084	0.099	0.02	J	N/A	Yes
073SB-0016M-0001-SO	VANADIUM	9.8	MG/KG	0.1	0.06		073SB-0017M-0001-SO	9.3	0.099	0.059		5	N/A
073SB-0016M-0001-SO	ZINC	43	MG/KG	0.5	0.2	J-	073SB-0017M-0001-SO	42	0.5	0.2		2	N/A
073SB-0016M-0001-SO	MERCURY	0.03	MG/KG	0.11	0.036	J	073SB-0017M-0001-SO	0.028	0.11	0.037	J	N/A	Yes
073SB-0016M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0016M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	1,4-DICHLOROBENZENE	28	UG/KG	50	27	J	073SB-0017M-0001-SO	24	49	27	J	N/A	Yes
073SB-0016M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	073SB-0017M-0001-SO	27	150	27	U	N/A	Yes
073SB-0016M-0001-SO	2,4,6-TRICHLOROPHENOL	80	UG/KG	150	80	U	073SB-0017M-0001-SO	79	150	79	U	N/A	Yes
073SB-0016M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	073SB-0017M-0001-SO	27	150	27	U	N/A	Yes
073SB-0016M-0001-SO	2,4-DIMETHYLPHENOL	80	UG/KG	150	80	U	073SB-0017M-0001-SO	79	150	79	U	N/A	Yes
073SB-0016M-0001-SO	2,4-DINITROPHENOL	80	UG/KG	330	80	U	073SB-0017M-0001-SO	79	330	79	U	N/A	Yes
073SB-0016M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	073SB-0017M-0001-SO	27	200	27	U	N/A	Yes
073SB-0016M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	073SB-0017M-0001-SO	27	200	27	U	N/A	Yes
073SB-0016M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	073SB-0017M-0001-SO	3.3	49	3.3	U	N/A	Yes
073SB-0016M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	2-METHYLNAPHTHALENE	60	UG/KG	6.6	3.3		073SB-0017M-0001-SO	36	6.6	3.3		50	N/A
073SB-0016M-0001-SO	2-METHYLPHENOL (O-CRESOL)	80	UG/KG	200	80	U	073SB-0017M-0001-SO	79	200	79	U	N/A	Yes
073SB-0016M-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	073SB-0017M-0001-SO	27	200	27	U	N/A	Yes
073SB-0016M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	3,3'-DICHLOROBENZIDINE	80	UG/KG	100	80	U	073SB-0017M-0001-SO	79	99	79	U	N/A	Yes
073SB-0016M-0001-SO	3-NITROANILINE	80	UG/KG	200	80	U	073SB-0017M-0001-SO	79	200	79	U	N/A	Yes
073SB-0016M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	80	UG/KG	150	80	U	073SB-0017M-0001-SO	79	150	79	U	N/A	Yes
073SB-0016M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	073SB-0017M-0001-SO	27	150	27	U	N/A	Yes
073SB-0016M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	073SB-0017M-0001-SO	27	150	27	U	N/A	Yes
073SB-0016M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	073SB-0017M-0001-SO	27	200	27	U	N/A	Yes
073SB-0016M-0001-SO	4-NITROPHENOL	80	UG/KG	330	80	U	073SB-0017M-0001-SO	79	330	79	U	N/A	Yes
073SB-0016M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.6	3.3	U	073SB-0017M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
073SB-0016M-0001-SO	ACENAPHTHYLENE	9.4	UG/KG	6.6	3.3		073SB-0017M-0001-SO	4.8	6.6	3.3	J	N/A	Yes
073SB-0016M-0001-SO	ANTHRACENE	16	UG/KG	6.6	3.3		073SB-0017M-0001-SO	25	6.6	3.3		N/A	No
073SB-0016M-0001-SO	BENZO(A)ANTHRACENE	77	UG/KG	6.6	3.3		073SB-0017M-0001-SO	70	6.6	3.3		10	N/A
073SB-0016M-0001-SO	BENZO(A)PYRENE	62	UG/KG	6.6	3.3		073SB-0017M-0001-SO	58	6.6	3.3		7	N/A
073SB-0016M-0001-SO	BENZO(B)FLUORANTHENE	110	UG/KG	6.6	3.3		073SB-0017M-0001-SO	85	6.6	3.3		26	N/A
073SB-0016M-0001-SO	BENZO(G,H,I)PERYLENE	38	UG/KG	6.6	3.3		073SB-0017M-0001-SO	32	6.6	3.3		N/A	Yes
073SB-0016M-0001-SO	BENZO(K)FLUORANTHENE	27	UG/KG	6.6	3.3		073SB-0017M-0001-SO	31	6.6	3.3		N/A	Yes
073SB-0016M-0001-SO	BENZOIC ACID	330	UG/KG	660	330	U	073SB-0017M-0001-SO	330	650	330	U	N/A	Yes
073SB-0016M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	073SB-0017M-0001-SO	37	330	27	J	N/A	Yes
073SB-0016M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27	U	073SB-0017M-0001-SO	27	99	27	U	N/A	Yes
073SB-0016M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3	U	073SB-0017M-0001-SO	3.3	99	3.3	U	N/A	Yes
073SB-0016M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	100	27	U	073SB-0017M-0001-SO	27	99	27	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0016M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	89	UG/KG	50	27	U	073SB-0017M-0001-SO	27	68	27		N/A	Yes
073SB-0016M-0001-SO	CARBAZOLE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	CHRYSENE	77	UG/KG	6.6	3.3		073SB-0017M-0001-SO	67	6.6	3.3		14	N/A
073SB-0016M-0001-SO	CRESOLS, M & P	80	UG/KG	400	80	U	073SB-0017M-0001-SO	79	390	79	U	N/A	Yes
073SB-0016M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.6	3.3	U	073SB-0017M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
073SB-0016M-0001-SO	DIBENZOFURAN	14	UG/KG	50	3.3	J	073SB-0017M-0001-SO	11	49	3.3	J	N/A	Yes
073SB-0016M-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	J	N/A	Yes
073SB-0016M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	FLUORANTHENE	130	UG/KG	6.6	3.3		073SB-0017M-0001-SO	150	6.6	3.3		14	N/A
073SB-0016M-0001-SO	FLUORENE	5.9	UG/KG	6.6	3.3	J	073SB-0017M-0001-SO	9.6	6.6	3.3		N/A	Yes
073SB-0016M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.6	3.3	U	073SB-0017M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
073SB-0016M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	073SB-0017M-0001-SO	27	330	27	U	N/A	Yes
073SB-0016M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	UJ	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	INDENO(1,2,3-C,D)PYRENE	33	UG/KG	6.6	3.3		073SB-0017M-0001-SO	31	6.6	3.3		N/A	Yes
073SB-0016M-0001-SO	ISOPHORONE	18	UG/KG	50	27	J	073SB-0017M-0001-SO	23	49	27	J	N/A	Yes
073SB-0016M-0001-SO	NAPHTHALENE	51	UG/KG	6.6	3.3		073SB-0017M-0001-SO	34	6.6	3.3		40	N/A
073SB-0016M-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3	U	073SB-0017M-0001-SO	3.3	99	3.3	U	N/A	Yes
073SB-0016M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	PENTACHLOROPHENOL	80	UG/KG	150	80	U	073SB-0017M-0001-SO	79	150	79	U	N/A	Yes
073SB-0016M-0001-SO	PHENANTHRENE	62	UG/KG	6.6	3.3		073SB-0017M-0001-SO	87	6.6	3.3		34	N/A
073SB-0016M-0001-SO	PHENOL	27	UG/KG	50	27	U	073SB-0017M-0001-SO	27	49	27	U	N/A	Yes
073SB-0016M-0001-SO	PYRENE	100	UG/KG	6.6	3.3		073SB-0017M-0001-SO	120	6.6	3.3		18	N/A
073SB-0027M-0001-SO	ALUMINUM	8500	MG/KG	3	0.59		073SB-0028M-0001-SO	8300	2.9	0.58		2	N/A
073SB-0027M-0001-SO	ANTIMONY	0	MG/KG	0.2	0.099		073SB-0028M-0001-SO	0.096	0.19	0.096	U	N/A	Yes
073SB-0027M-0001-SO	ARSENIC	4.1	MG/KG	0.099	0.05		073SB-0028M-0001-SO	5.3	0.096	0.048		26	N/A
073SB-0027M-0001-SO	BARIUM	80	MG/KG	0.99	0.02		073SB-0028M-0001-SO	74	0.96	0.019		8	N/A
073SB-0027M-0001-SO	BERYLLIUM	0.97	MG/KG	0.099	0.0099		073SB-0028M-0001-SO	0.84	0.096	0.0096		14	N/A
073SB-0027M-0001-SO	CADMIUM	0.25	MG/KG	0.099	0.03		073SB-0028M-0001-SO	0.25	0.096	0.029		N/A	Yes
073SB-0027M-0001-SO	CALCIUM	24000	MG/KG	9.9	2.5		073SB-0028M-0001-SO	21000	9.6	2.4		13	N/A
073SB-0027M-0001-SO	CHROMIUM	7.2	MG/KG	0.2	0.04		073SB-0028M-0001-SO	8.4	0.19	0.038		15	N/A
073SB-0027M-0001-SO	COBALT	5.1	MG/KG	0.05	0.0099		073SB-0028M-0001-SO	6.1	0.048	0.0096		18	N/A
073SB-0027M-0001-SO	COPPER	9	MG/KG	0.2	0.059		073SB-0028M-0001-SO	11	0.19	0.058		20	N/A
073SB-0027M-0001-SO	IRON	10000	MG/KG	5	2		073SB-0028M-0001-SO	12000	4.8	1.9		18	N/A
073SB-0027M-0001-SO	LEAD	9.4	MG/KG	0.099	0.03		073SB-0028M-0001-SO	11	0.096	0.029		16	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0027M-0001-SO	MAGNESIUM	3900	MG/KG	9.9	2		073SB-0028M-0001-SO	3400	9.6	1.9		14	N/A
073SB-0027M-0001-SO	MANGANESE	840	MG/KG	0.5	0.03		073SB-0028M-0001-SO	780	0.48	0.029		7	N/A
073SB-0027M-0001-SO	NICKEL	11	MG/KG	0.099	0.03		073SB-0028M-0001-SO	13	0.096	0.029		17	N/A
073SB-0027M-0001-SO	POTASSIUM	730	MG/KG	9.9	5.9		073SB-0028M-0001-SO	690	9.6	5.8		6	N/A
073SB-0027M-0001-SO	SELENIUM	0.62	MG/KG	0.5	0.099		073SB-0028M-0001-SO	0.69	0.48	0.096		N/A	Yes
073SB-0027M-0001-SO	SILVER	0.035	MG/KG	0.099	0.03		073SB-0028M-0001-SO	0.038	0.096	0.029	J	N/A	Yes
073SB-0027M-0001-SO	SODIUM	160	MG/KG	9.9	5		073SB-0028M-0001-SO	110	9.6	4.8		37	N/A
073SB-0027M-0001-SO	THALLIUM	0.077	MG/KG	0.099	0.02		073SB-0028M-0001-SO	0.086	0.096	0.019	J	N/A	Yes
073SB-0027M-0001-SO	VANADIUM	8.7	MG/KG	0.099	0.059		073SB-0028M-0001-SO	9.9	0.096	0.058		13	N/A
073SB-0027M-0001-SO	ZINC	28	MG/KG	0.5	0.2		073SB-0028M-0001-SO	33	0.48	0.19		16	N/A
073SB-0027M-0001-SO	MERCURY	0	MG/KG	0.11	0.037		073SB-0028M-0001-SO	0.034	0.1	0.034	J	N/A	Yes
073SB-0027M-0001-SO	1,2,4-TRICHLOROBENZENE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	1,2-DICHLOROBENZENE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	1,3-DICHLOROBENZENE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	1,4-DICHLOROBENZENE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	2,4,5-TRICHLOROPHENOL	0	UG/KG	750	130		073SB-0028M-0001-SO	140	760	140	U	N/A	Yes
073SB-0027M-0001-SO	2,4,6-TRICHLOROPHENOL	0	UG/KG	750	400		073SB-0028M-0001-SO	400	760	400	U	N/A	Yes
073SB-0027M-0001-SO	2,4-DICHLOROPHENOL	0	UG/KG	750	130		073SB-0028M-0001-SO	140	760	140	U	N/A	Yes
073SB-0027M-0001-SO	2,4-DIMETHYLPHENOL	0	UG/KG	750	400		073SB-0028M-0001-SO	400	760	400	U	N/A	Yes
073SB-0027M-0001-SO	2,4-DINITROPHENOL	0	UG/KG	1600	400		073SB-0028M-0001-SO	400	1700	400	U	N/A	Yes
073SB-0027M-0001-SO	2,4-DINITROTOLUENE	0	UG/KG	1000	130		073SB-0028M-0001-SO	140	1000	140	U	N/A	Yes
073SB-0027M-0001-SO	2,6-DINITROTOLUENE	0	UG/KG	1000	130		073SB-0028M-0001-SO	140	1000	140	U	N/A	Yes
073SB-0027M-0001-SO	2-CHLORONAPHTHALENE	0	UG/KG	250	16		073SB-0028M-0001-SO	17	250	17	U	N/A	Yes
073SB-0027M-0001-SO	2-CHLOROPHENOL	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	2-METHYLNAPHTHALENE	68	UG/KG	33	16		073SB-0028M-0001-SO	67	34	17		N/A	Yes
073SB-0027M-0001-SO	2-METHYLPHENOL (O-CRESOL)	0	UG/KG	1000	400		073SB-0028M-0001-SO	400	1000	400	U	N/A	Yes
073SB-0027M-0001-SO	2-NITROANILINE	0	UG/KG	1000	130		073SB-0028M-0001-SO	140	1000	140	U	N/A	Yes
073SB-0027M-0001-SO	2-NITROPHENOL	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	3,3'-DICHLOROBENZIDINE	0	UG/KG	500	400		073SB-0028M-0001-SO	400	510	400	U	N/A	Yes
073SB-0027M-0001-SO	3-NITROANILINE	0	UG/KG	1000	400		073SB-0028M-0001-SO	400	1000	400	U	N/A	Yes
073SB-0027M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	0	UG/KG	750	400		073SB-0028M-0001-SO	400	760	400	U	N/A	Yes
073SB-0027M-0001-SO	4-BROMOPHENYL PHENYL ETHER	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	4-CHLORO-3-METHYLPHENOL	0	UG/KG	750	130		073SB-0028M-0001-SO	140	760	140	U	N/A	Yes
073SB-0027M-0001-SO	4-CHLOROANILINE	0	UG/KG	750	130		073SB-0028M-0001-SO	140	760	140	U	N/A	Yes
073SB-0027M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	4-NITROANILINE	0	UG/KG	1000	130		073SB-0028M-0001-SO	140	1000	140	U	N/A	Yes
073SB-0027M-0001-SO	4-NITROPHENOL	0	UG/KG	1600	400		073SB-0028M-0001-SO	400	1700	400	U	N/A	Yes
073SB-0027M-0001-SO	ACENAPHTHENE	0	UG/KG	33	16		073SB-0028M-0001-SO	17	34	17	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0027M-0001-SO	ACENAPHTHYLENE	0	UG/KG	33	16		073SB-0028M-0001-SO	17	34	17	U	N/A	Yes
073SB-0027M-0001-SO	ANTHRACENE	0	UG/KG	33	16		073SB-0028M-0001-SO	17	34	17	U	N/A	Yes
073SB-0027M-0001-SO	BENZO(A)ANTHRACENE	48	UG/KG	33	16		073SB-0028M-0001-SO	27	34	17	J	N/A	Yes
073SB-0027M-0001-SO	BENZO(A)PYRENE	49	UG/KG	33	16		073SB-0028M-0001-SO	33	34	17	J	N/A	Yes
073SB-0027M-0001-SO	BENZO(B)FLUORANTHENE	110	UG/KG	33	16		073SB-0028M-0001-SO	72	34	17		N/A	No
073SB-0027M-0001-SO	BENZO(G,H,I)PERYLENE	41	UG/KG	33	16		073SB-0028M-0001-SO	32	34	17	J	N/A	Yes
073SB-0027M-0001-SO	BENZO(K)FLUORANTHENE	30	UG/KG	33	16		073SB-0028M-0001-SO	20	34	17	J	N/A	Yes
073SB-0027M-0001-SO	BENZOIC ACID	0	UG/KG	3300	1700		073SB-0028M-0001-SO	1700	3300	1700	U	N/A	Yes
073SB-0027M-0001-SO	BENZYL ALCOHOL	0	UG/KG	1600	130		073SB-0028M-0001-SO	140	1700	140	U	N/A	Yes
073SB-0027M-0001-SO	BENZYL BUTYL PHTHALATE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	0	UG/KG	500	130		073SB-0028M-0001-SO	140	510	140	U	N/A	Yes
073SB-0027M-0001-SO	BIS(2-CHLOROETHYL) ETHER	0	UG/KG	500	16		073SB-0028M-0001-SO	17	510	17	U	N/A	Yes
073SB-0027M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	0	UG/KG	500	130		073SB-0028M-0001-SO	140	510	140	U	N/A	Yes
073SB-0027M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	CARBAZOLE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	CHRYSENE	88	UG/KG	33	16		073SB-0028M-0001-SO	60	34	17		N/A	Yes
073SB-0027M-0001-SO	CRESOLS, M & P	0	UG/KG	2000	400		073SB-0028M-0001-SO	400	2000	400	U	N/A	Yes
073SB-0027M-0001-SO	DIBENZ(A,H)ANTHRACENE	0	UG/KG	33	16		073SB-0028M-0001-SO	17	34	17	U	N/A	Yes
073SB-0027M-0001-SO	DIBENZOFURAN	22	UG/KG	250	16		073SB-0028M-0001-SO	22	250	17	J	N/A	Yes
073SB-0027M-0001-SO	DIETHYL PHTHALATE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	DIMETHYL PHTHALATE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	DI-N-BUTYL PHTHALATE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	DI-N-OCTYLPHTHALATE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	FLUORANTHENE	98	UG/KG	33	16		073SB-0028M-0001-SO	66	34	17		N/A	Yes
073SB-0027M-0001-SO	FLUORENE	0	UG/KG	33	16		073SB-0028M-0001-SO	17	34	17	U	N/A	Yes
073SB-0027M-0001-SO	HEXACHLOROBENZENE	0	UG/KG	33	16		073SB-0028M-0001-SO	17	34	17	U	N/A	Yes
073SB-0027M-0001-SO	HEXACHLOROBUTADIENE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	HEXACHLOROCYCLOPENTADIENE	0	UG/KG	1600	130		073SB-0028M-0001-SO	140	1700	140	U	N/A	Yes
073SB-0027M-0001-SO	HEXACHLOROETHANE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	INDENO(1,2,3-C,D)PYRENE	33	UG/KG	33	16		073SB-0028M-0001-SO	23	34	17	J	N/A	Yes
073SB-0027M-0001-SO	ISOPHORONE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	NAPHTHALENE	55	UG/KG	33	16		073SB-0028M-0001-SO	54	34	17		N/A	Yes
073SB-0027M-0001-SO	NITROBENZENE	0	UG/KG	500	16		073SB-0028M-0001-SO	17	510	17	U	N/A	Yes
073SB-0027M-0001-SO	N-NITROSODI-N-PROPYLAMINE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	N-NITROSODIPHENYLAMINE	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes
073SB-0027M-0001-SO	PENTACHLOROPHENOL	0	UG/KG	750	400		073SB-0028M-0001-SO	400	760	400	U	N/A	Yes
073SB-0027M-0001-SO	PHENANTHRENE	64	UG/KG	33	16		073SB-0028M-0001-SO	64	34	17		N/A	Yes
073SB-0027M-0001-SO	PHENOL	0	UG/KG	250	130		073SB-0028M-0001-SO	140	250	140	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0027M-0001-SO	PYRENE	80	UG/KG	33	16		073SB-0028M-0001-SO	55	34	17		N/A	Yes
073SB-0038M-0001-SO	ALUMINUM	6800	MG/KG	2.8	0.56		073SB-0039M-0001-SO	7000	2.4	0.48		3	N/A
073SB-0038M-0001-SO	ANTIMONY	0.067	MG/KG	0.19	0.093	J-	073SB-0039M-0001-SO	0.055	0.16	0.081	J	N/A	Yes
073SB-0038M-0001-SO	ARSENIC	19	MG/KG	0.093	0.046	J-	073SB-0039M-0001-SO	15	0.081	0.04		24	N/A
073SB-0038M-0001-SO	BARIUM	32	MG/KG	0.93	0.019		073SB-0039M-0001-SO	34	0.81	0.016		6	N/A
073SB-0038M-0001-SO	BERYLLIUM	0.35	MG/KG	0.093	0.0093		073SB-0039M-0001-SO	0.4	0.081	0.0081		N/A	Yes
073SB-0038M-0001-SO	CADMIUM	0.19	MG/KG	0.093	0.028		073SB-0039M-0001-SO	0.19	0.081	0.024		N/A	Yes
073SB-0038M-0001-SO	CALCIUM	640	MG/KG	9.3	2.3		073SB-0039M-0001-SO	710	8.1	2		10	N/A
073SB-0038M-0001-SO	CHROMIUM	10	MG/KG	0.19	0.037		073SB-0039M-0001-SO	10	0.16	0.032		0	N/A
073SB-0038M-0001-SO	COBALT	8.7	MG/KG	0.046	0.0093		073SB-0039M-0001-SO	8.7	0.04	0.0081		0	N/A
073SB-0038M-0001-SO	COPPER	20	MG/KG	0.19	0.056		073SB-0039M-0001-SO	19	0.16	0.048		5	N/A
073SB-0038M-0001-SO	IRON	22000	MG/KG	4.6	1.9		073SB-0039M-0001-SO	24000	4	1.6		9	N/A
073SB-0038M-0001-SO	LEAD	17	MG/KG	0.093	0.028		073SB-0039M-0001-SO	16	0.081	0.024		6	N/A
073SB-0038M-0001-SO	MAGNESIUM	2100	MG/KG	9.3	1.9		073SB-0039M-0001-SO	2200	8.1	1.6		5	N/A
073SB-0038M-0001-SO	MANGANESE	460	MG/KG	0.46	0.028		073SB-0039M-0001-SO	460	0.4	0.024		0	N/A
073SB-0038M-0001-SO	NICKEL	21	MG/KG	0.093	0.028		073SB-0039M-0001-SO	21	0.081	0.024		0	N/A
073SB-0038M-0001-SO	POTASSIUM	1000	MG/KG	9.3	5.6		073SB-0039M-0001-SO	970	8.1	4.8		3	N/A
073SB-0038M-0001-SO	SELENIUM	0.28	MG/KG	0.46	0.093	J-	073SB-0039M-0001-SO	0.26	0.4	0.081	J	N/A	Yes
073SB-0038M-0001-SO	SILVER	0.022	MG/KG	0.093	0.028	J	073SB-0039M-0001-SO	0.021	0.081	0.024	J	N/A	Yes
073SB-0038M-0001-SO	SODIUM	40	MG/KG	9.3	4.6		073SB-0039M-0001-SO	35	8.1	4		N/A	Yes
073SB-0038M-0001-SO	THALLIUM	0.15	MG/KG	0.093	0.019		073SB-0039M-0001-SO	0.14	0.081	0.016		N/A	Yes
073SB-0038M-0001-SO	VANADIUM	11	MG/KG	0.093	0.056		073SB-0039M-0001-SO	12	0.081	0.048		9	N/A
073SB-0038M-0001-SO	ZINC	64	MG/KG	0.46	0.19	J-	073SB-0039M-0001-SO	62	0.4	0.16		3	N/A
073SB-0038M-0001-SO	MERCURY	0.018	MG/KG	0.11	0.035	J	073SB-0039M-0001-SO	0.02	0.098	0.032	J	N/A	Yes
073SB-0038M-0001-SO	1,2,4-TRICHLOROBENZENE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	1,2-DICHLOROBENZENE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	1,3-DICHLOROBENZENE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	1,4-DICHLOROBENZENE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	2,4,5-TRICHLOROPHENOL	270	UG/KG	1500	270	UJ	073SB-0039M-0001-SO	270	1500	270	U	N/A	Yes
073SB-0038M-0001-SO	2,4,6-TRICHLOROPHENOL	810	UG/KG	1500	810	UJ	073SB-0039M-0001-SO	800	1500	800	U	N/A	Yes
073SB-0038M-0001-SO	2,4-DICHLOROPHENOL	270	UG/KG	1500	270	UJ	073SB-0039M-0001-SO	270	1500	270	U	N/A	Yes
073SB-0038M-0001-SO	2,4-DIMETHYLPHENOL	810	UG/KG	1500	810	UJ	073SB-0039M-0001-SO	800	1500	800	U	N/A	Yes
073SB-0038M-0001-SO	2,4-DINITROPHENOL	810	UG/KG	3300	810	UJ	073SB-0039M-0001-SO	800	3300	800	U	N/A	Yes
073SB-0038M-0001-SO	2,4-DINITROTOLUENE	270	UG/KG	2000	270	UJ	073SB-0039M-0001-SO	270	2000	270	U	N/A	Yes
073SB-0038M-0001-SO	2,6-DINITROTOLUENE	270	UG/KG	2000	270	UJ	073SB-0039M-0001-SO	270	2000	270	U	N/A	Yes
073SB-0038M-0001-SO	2-CHLORONAPHTHALENE	33	UG/KG	500	33	UJ	073SB-0039M-0001-SO	33	500	33	U	N/A	Yes
073SB-0038M-0001-SO	2-CHLOROPHENOL	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	2-METHYLNAPHTHALENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0038M-0001-SO	2-METHYLPHENOL (O-CRESOL)	810	UG/KG	2000	810	UJ	073SB-0039M-0001-SO	800	2000	800	U	N/A	Yes
073SB-0038M-0001-SO	2-NITROANILINE	270	UG/KG	2000	270	UJ	073SB-0039M-0001-SO	270	2000	270	U	N/A	Yes
073SB-0038M-0001-SO	2-NITROPHENOL	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	3,3'-DICHLOROBENZIDINE	810	UG/KG	1000	810	UJ	073SB-0039M-0001-SO	800	1000	800	U	N/A	Yes
073SB-0038M-0001-SO	3-NITROANILINE	810	UG/KG	2000	810	UJ	073SB-0039M-0001-SO	800	2000	800	U	N/A	Yes
073SB-0038M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	810	UG/KG	1500	810	UJ	073SB-0039M-0001-SO	800	1500	800	U	N/A	Yes
073SB-0038M-0001-SO	4-BROMOPHENYL PHENYL ETHER	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	4-CHLORO-3-METHYLPHENOL	270	UG/KG	1500	270	UJ	073SB-0039M-0001-SO	270	1500	270	U	N/A	Yes
073SB-0038M-0001-SO	4-CHLOROANILINE	270	UG/KG	1500	270	UJ	073SB-0039M-0001-SO	270	1500	270	U	N/A	Yes
073SB-0038M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	4-NITROANILINE	270	UG/KG	2000	270	UJ	073SB-0039M-0001-SO	270	2000	270	U	N/A	Yes
073SB-0038M-0001-SO	4-NITROPHENOL	810	UG/KG	3300	810	UJ	073SB-0039M-0001-SO	800	3300	800	U	N/A	Yes
073SB-0038M-0001-SO	ACENAPHTHENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	ACENAPHTHYLENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	ANTHRACENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	BENZO(A)ANTHRACENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	BENZO(A)PYRENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	BENZO(B)FLUORANTHENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	BENZO(G,H,I)PERYLENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	BENZO(K)FLUORANTHENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	BENZOIC ACID	3400	UG/KG	6700	3400	R	073SB-0039M-0001-SO	3300	6600	3300	U	N/A	Yes
073SB-0038M-0001-SO	BENZYL ALCOHOL	270	UG/KG	3300	270	UJ	073SB-0039M-0001-SO	270	3300	270	U	N/A	Yes
073SB-0038M-0001-SO	BENZYL BUTYL PHTHALATE	270	UG/KG	710	270	UJ	073SB-0039M-0001-SO	270	700	270	U	N/A	Yes
073SB-0038M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	270	UG/KG	1000	270	UJ	073SB-0039M-0001-SO	270	1000	270	U	N/A	Yes
073SB-0038M-0001-SO	BIS(2-CHLOROETHYL) ETHER	33	UG/KG	1000	33	UJ	073SB-0039M-0001-SO	33	1000	33	U	N/A	Yes
073SB-0038M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	270	UG/KG	1000	270	UJ	073SB-0039M-0001-SO	270	1000	270	U	N/A	Yes
073SB-0038M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	270	UG/KG	710	270	UJ	073SB-0039M-0001-SO	270	700	270	U	N/A	Yes
073SB-0038M-0001-SO	CARBAZOLE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	CHRYSENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	CRESOLS, M & P	810	UG/KG	4000	810	UJ	073SB-0039M-0001-SO	800	4000	800	U	N/A	Yes
073SB-0038M-0001-SO	DIBENZ(A,H)ANTHRACENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	DIBENZOFURAN	33	UG/KG	500	33	UJ	073SB-0039M-0001-SO	33	500	33	U	N/A	Yes
073SB-0038M-0001-SO	DIETHYL PHTHALATE	270	UG/KG	710	270	UJ	073SB-0039M-0001-SO	270	700	270	U	N/A	Yes
073SB-0038M-0001-SO	DIMETHYL PHTHALATE	270	UG/KG	710	270	UJ	073SB-0039M-0001-SO	270	700	270	U	N/A	Yes
073SB-0038M-0001-SO	DI-N-BUTYL PHTHALATE	270	UG/KG	710	270	UJ	073SB-0039M-0001-SO	270	700	270	U	N/A	Yes
073SB-0038M-0001-SO	DI-N-OCTYLPHTHALATE	270	UG/KG	710	270	UJ	073SB-0039M-0001-SO	270	700	270	U	N/A	Yes
073SB-0038M-0001-SO	FLUORANTHENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	FLUORENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SB-0038M-0001-SO	HEXACHLOROBENZENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	HEXACHLOROBUTADIENE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	HEXACHLOROCYCLOPENTADIENE	270	UG/KG	3300	270	UJ	073SB-0039M-0001-SO	270	3300	270	U	N/A	Yes
073SB-0038M-0001-SO	HEXACHLOROETHANE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	INDENO(1,2,3-C,D)PYRENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	ISOPHORONE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	NAPHTHALENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	NITROBENZENE	33	UG/KG	1000	33	UJ	073SB-0039M-0001-SO	33	1000	33	U	N/A	Yes
073SB-0038M-0001-SO	N-NITROSODI-N-PROPYLAMINE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	N-NITROSODIPHENYLAMINE	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	PENTACHLOROPHENOL	810	UG/KG	1500	810	UJ	073SB-0039M-0001-SO	800	1500	800	U	N/A	Yes
073SB-0038M-0001-SO	PHENANTHRENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SB-0038M-0001-SO	PHENOL	270	UG/KG	500	270	UJ	073SB-0039M-0001-SO	270	500	270	U	N/A	Yes
073SB-0038M-0001-SO	PYRENE	33	UG/KG	67	33	UJ	073SB-0039M-0001-SO	33	67	33	U	N/A	Yes
073SD-0047-0001-SD	1,2,4-TRICHLOROBENZENE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	1,2-DICHLOROBENZENE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	1,3-DICHLOROBENZENE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	1,4-DICHLOROBENZENE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	2,4,5-TRICHLOROPHENOL	41	UG/KG	230	41	U	073SD-0048-0001-SD	41	230	41	U	N/A	Yes
073SD-0047-0001-SD	2,4,6-TRICHLOROPHENOL	120	UG/KG	230	120	U	073SD-0048-0001-SD	120	230	120	U	N/A	Yes
073SD-0047-0001-SD	2,4-DICHLOROPHENOL	41	UG/KG	230	41	U	073SD-0048-0001-SD	41	230	41	U	N/A	Yes
073SD-0047-0001-SD	2,4-DIMETHYLPHENOL	120	UG/KG	230	120	U	073SD-0048-0001-SD	120	230	120	U	N/A	Yes
073SD-0047-0001-SD	2,4-DINITROPHENOL	120	UG/KG	500	120	U	073SD-0048-0001-SD	120	510	120	U	N/A	Yes
073SD-0047-0001-SD	2,4-DINITROTOLUENE	41	UG/KG	300	41	U	073SD-0048-0001-SD	41	310	41	U	N/A	Yes
073SD-0047-0001-SD	2,6-DINITROTOLUENE	41	UG/KG	300	41	U	073SD-0048-0001-SD	41	310	41	U	N/A	Yes
073SD-0047-0001-SD	2-CHLORONAPHTHALENE	5	UG/KG	75	5	U	073SD-0048-0001-SD	5.1	77	5.1	U	N/A	Yes
073SD-0047-0001-SD	2-CHLOROPHENOL	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	2-METHYLNAPHTHALENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	7.4	10	5.1	J	N/A	Yes
073SD-0047-0001-SD	2-METHYLPHENOL (O-CRESOL)	120	UG/KG	300	120	U	073SD-0048-0001-SD	120	310	120	U	N/A	Yes
073SD-0047-0001-SD	2-NITROANILINE	41	UG/KG	300	41	U	073SD-0048-0001-SD	41	310	41	U	N/A	Yes
073SD-0047-0001-SD	2-NITROPHENOL	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	3,3'-DICHLOROBENZIDINE	120	UG/KG	150	120	U	073SD-0048-0001-SD	120	150	120	U	N/A	Yes
073SD-0047-0001-SD	3-NITROANILINE	120	UG/KG	300	120	U	073SD-0048-0001-SD	120	310	120	U	N/A	Yes
073SD-0047-0001-SD	4,6-DINITRO-2-METHYLPHENOL	120	UG/KG	230	120	U	073SD-0048-0001-SD	120	230	120	U	N/A	Yes
073SD-0047-0001-SD	4-BROMOPHENYL PHENYL ETHER	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	4-CHLORO-3-METHYLPHENOL	41	UG/KG	230	41	U	073SD-0048-0001-SD	41	230	41	U	N/A	Yes
073SD-0047-0001-SD	4-CHLOROANILINE	41	UG/KG	230	41	U	073SD-0048-0001-SD	41	230	41	U	N/A	Yes
073SD-0047-0001-SD	4-CHLOROPHENYL PHENYL ETHER	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SD-0047-0001-SD	4-NITROANILINE	41	UG/KG	300	41	U	073SD-0048-0001-SD	41	310	41	U	N/A	Yes
073SD-0047-0001-SD	4-NITROPHENOL	120	UG/KG	500	120	U	073SD-0048-0001-SD	120	510	120	U	N/A	Yes
073SD-0047-0001-SD	ACENAPHTHENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	ACENAPHTHYLENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	ANTHRACENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	BENZO(A)ANTHRACENE	7.6	UG/KG	10	5	J	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	BENZO(A)PYRENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	BENZO(B)FLUORANTHENE	8.2	UG/KG	10	5	J	073SD-0048-0001-SD	10	10	5.1		N/A	Yes
073SD-0047-0001-SD	BENZO(G,H,I)PERYLENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	BENZO(K)FLUORANTHENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	BENZOIC ACID	500	UG/KG	990	500	U	073SD-0048-0001-SD	510	1000	510	U	N/A	Yes
073SD-0047-0001-SD	BENZYL ALCOHOL	59	UG/KG	500	41	J	073SD-0048-0001-SD	150	510	41	J	N/A	Yes
073SD-0047-0001-SD	BENZYL BUTYL PHTHALATE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	BIS(2-CHLOROETHOXY) METHANE	41	UG/KG	150	41	U	073SD-0048-0001-SD	41	150	41	U	N/A	Yes
073SD-0047-0001-SD	BIS(2-CHLOROETHYL) ETHER	5	UG/KG	150	5	U	073SD-0048-0001-SD	5.1	150	5.1	U	N/A	Yes
073SD-0047-0001-SD	BIS(2-CHLOROISOPROPYL) ETHER	41	UG/KG	150	41	U	073SD-0048-0001-SD	41	150	41	U	N/A	Yes
073SD-0047-0001-SD	BIS(2-ETHYLHEXYL) PHTHALATE	160	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	J	N/A	No
073SD-0047-0001-SD	CARBAZOLE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	CHRYSENE	5.4	UG/KG	10	5	J	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	CRESOLS, M & P	120	UG/KG	600	120	U	073SD-0048-0001-SD	120	610	120	U	N/A	Yes
073SD-0047-0001-SD	DIBENZ(A,H)ANTHRACENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	DIBENZOFURAN	5	UG/KG	75	5	U	073SD-0048-0001-SD	5.1	77	5.1	U	N/A	Yes
073SD-0047-0001-SD	DIETHYL PHTHALATE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	DIMETHYL PHTHALATE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	DI-N-BUTYL PHTHALATE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	J	N/A	Yes
073SD-0047-0001-SD	DI-N-OCTYLPHTHALATE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	FLUORANTHENE	11	UG/KG	10	5		073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	FLUORENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	HEXACHLOROBENZENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	HEXACHLOROBUTADIENE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	HEXACHLOROCYCLOPENTADIENE	41	UG/KG	500	41	U	073SD-0048-0001-SD	41	510	41	U	N/A	Yes
073SD-0047-0001-SD	HEXACHLOROETHANE	41	UG/KG	75	41	UJ	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	INDENO(1,2,3-C,D)PYRENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	ISOPHORONE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	NAPHTHALENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	NITROBENZENE	5	UG/KG	150	5	U	073SD-0048-0001-SD	5.1	150	5.1	U	N/A	Yes
073SD-0047-0001-SD	N-NITROSODI-N-PROPYLAMINE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	N-NITROSODIPHENYLAMINE	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SD-0047-0001-SD	PENTACHLOROPHENOL	120	UG/KG	230	120	U	073SD-0048-0001-SD	120	230	120	U	N/A	Yes
073SD-0047-0001-SD	PHENANTHRENE	5	UG/KG	10	5	U	073SD-0048-0001-SD	5.1	10	5.1	U	N/A	Yes
073SD-0047-0001-SD	PHENOL	41	UG/KG	75	41	U	073SD-0048-0001-SD	41	77	41	U	N/A	Yes
073SD-0047-0001-SD	PYRENE	8.3	UG/KG	10	5	J	073SD-0048-0001-SD	8.2	10	5.1	J	N/A	Yes
073SD-0047-0001-SD	ALUMINUM	9600	MG/KG	4.5	0.91		073SD-0048-0001-SD	8800	4.6	0.92		9	N/A
073SD-0047-0001-SD	ANTIMONY	0.18	MG/KG	0.3		J	073SD-0048-0001-SD	0.072	0.31	0.15		N/A	Yes
073SD-0047-0001-SD	ARSENIC	7.6	MG/KG	0.15	0.076		073SD-0048-0001-SD	10	0.15	0.077		27	N/A
073SD-0047-0001-SD	BARIUM	180	MG/KG	1.5	0.03		073SD-0048-0001-SD	180	1.5	0.031		0	N/A
073SD-0047-0001-SD	BERYLLIUM	0.93	MG/KG	0.15	0.015		073SD-0048-0001-SD	0.94	0.15	0.015		1	N/A
073SD-0047-0001-SD	CADMIUM	0.89	MG/KG	0.15	0.045		073SD-0048-0001-SD	0.79	0.15	0.046		12	N/A
073SD-0047-0001-SD	CALCIUM	12000	MG/KG	15	3.8		073SD-0048-0001-SD	9800	15	3.8		20	N/A
073SD-0047-0001-SD	CHROMIUM	9.4	MG/KG	0.3	0.061		073SD-0048-0001-SD	8.2	0.31	0.061		14	N/A
073SD-0047-0001-SD	COBALT	11	MG/KG	0.076	0.015		073SD-0048-0001-SD	13	0.077	0.015		17	N/A
073SD-0047-0001-SD	COPPER	9.2	MG/KG	0.3	0.091		073SD-0048-0001-SD	9.7	0.31	0.092		5	N/A
073SD-0047-0001-SD	IRON	17000	MG/KG	15	3		073SD-0048-0001-SD	16000	7.7	3.1		6	N/A
073SD-0047-0001-SD	LEAD	0.18	MG/KG	0.15	0.045		073SD-0048-0001-SD	13	0.15	0.046		N/A	No
073SD-0047-0001-SD	MAGNESIUM	2800	MG/KG	15	3		073SD-0048-0001-SD	2400	15	3.1		15	N/A
073SD-0047-0001-SD	MANGANESE	2300	MG/KG	0.76	0.045		073SD-0048-0001-SD	2900	0.77	0.046		23	N/A
073SD-0047-0001-SD	NICKEL	21	MG/KG	0.15	0.045		073SD-0048-0001-SD	21	0.15	0.046		0	N/A
073SD-0047-0001-SD	POTASSIUM	490	MG/KG	15	9.1		073SD-0048-0001-SD	500	15	9.2		2	N/A
073SD-0047-0001-SD	SELENIUM	0.71	MG/KG	0.76	0.15	J	073SD-0048-0001-SD	0.78	0.77	0.15		N/A	Yes
073SD-0047-0001-SD	SILVER	0.043	MG/KG	0.15	0.045	J	073SD-0048-0001-SD	0.039	0.15	0.046		N/A	Yes
073SD-0047-0001-SD	SODIUM	80	MG/KG	15			073SD-0048-0001-SD	93	15	7.7		15	N/A
073SD-0047-0001-SD	THALLIUM	0.11	MG/KG	0.15		J	073SD-0048-0001-SD	0.13	0.15	0.031		N/A	Yes
073SD-0047-0001-SD	VANADIUM	17	MG/KG	0.15			073SD-0048-0001-SD	17	0.15	0.092		0	N/A
073SD-0047-0001-SD	ZINC	49	MG/KG	0.76			073SD-0048-0001-SD	54	0.77	0.31		10	N/A
073SD-0047-0001-SD	MERCURY	0.035	MG/KG	0.14	0.048	J	073SD-0048-0001-SD	0.032	0.16	0.054		N/A	Yes
073SS-0002M-0001-SO	ALUMINUM	6900	MG/KG	8.4	3.4		073SS-0003M-0001-SO	6600	9.4	3.8		4	N/A
073SS-0002M-0001-SO	ANTIMONY	0.13	MG/KG	0.17	0.13	R	073SS-0003M-0001-SO	0.098	0.19	0.14	J	N/A	N/A
073SS-0002M-0001-SO	ARSENIC	9.4	MG/KG	0.42	0.13	J-	073SS-0003M-0001-SO	9.7	0.47	0.14		3	N/A
073SS-0002M-0001-SO	BARIUM	48	MG/KG	0.42	0.25		073SS-0003M-0001-SO	49	0.47	0.28		2	N/A
073SS-0002M-0001-SO	BERYLLIUM	0.49	MG/KG	0.084	0.0084		073SS-0003M-0001-SO	0.47	0.094	0.0094		N/A	Yes
073SS-0002M-0001-SO	CADMIUM	0.22	MG/KG	0.17	0.0084		073SS-0003M-0001-SO	0.21	0.19	0.0094		N/A	Yes
073SS-0002M-0001-SO	CALCIUM	4400	MG/KG	170	84		073SS-0003M-0001-SO	4700	190	94		7	N/A
073SS-0002M-0001-SO	CHROMIUM	19	MG/KG	0.42	0.38		073SS-0003M-0001-SO	17	0.47	0.42		11	N/A
073SS-0002M-0001-SO	COBALT	6.8	MG/KG	0.084	0.013		073SS-0003M-0001-SO	7.1	0.094	0.014		4	N/A
073SS-0002M-0001-SO	COPPER	13	MG/KG	0.34	0.25		073SS-0003M-0001-SO	14	0.38	0.28		7	N/A
073SS-0002M-0001-SO	IRON	17000	MG/KG	42	25		073SS-0003M-0001-SO	18000	47	28		6	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SS-0002M-0001-SO	LEAD	14	MG/KG	0.25	0.17		073SS-0003M-0001-SO	15	0.28	0.19		7	N/A
073SS-0002M-0001-SO	MAGNESIUM	2300	MG/KG	84	21		073SS-0003M-0001-SO	2300	94	24		0	N/A
073SS-0002M-0001-SO	MANGANESE	380	MG/KG	0.42	0.34		073SS-0003M-0001-SO	410	0.47	0.38		8	N/A
073SS-0002M-0001-SO	NICKEL	22	MG/KG	0.42	0.21		073SS-0003M-0001-SO	22	0.47	0.24		0	N/A
073SS-0002M-0001-SO	POTASSIUM	950	MG/KG	84	8.4		073SS-0003M-0001-SO	840	94	9.4		12	N/A
073SS-0002M-0001-SO	SELENIUM	0.47	MG/KG	0.42	0.05	J-	073SS-0003M-0001-SO	0.44	0.47	0.057	J	N/A	Yes
073SS-0002M-0001-SO	SILVER	0.38	MG/KG	0.084	0.042		073SS-0003M-0001-SO	0.44	0.094	0.047		N/A	Yes
073SS-0002M-0001-SO	SODIUM	42	MG/KG	84	34	J	073SS-0003M-0001-SO	40	94	38	J	N/A	Yes
073SS-0002M-0001-SO	THALLIUM	0.13	MG/KG	0.17	0.13	U	073SS-0003M-0001-SO	0.11	0.19	0.14	J	N/A	Yes
073SS-0002M-0001-SO	VANADIUM	11	MG/KG	0.42	0.084		073SS-0003M-0001-SO	11	0.47	0.094		0	N/A
073SS-0002M-0001-SO	ZINC	64	MG/KG	3.4	1.7		073SS-0003M-0001-SO	64	3.8	1.9		0	N/A
073SS-0002M-0001-SO	MERCURY	0.051	MG/KG	0.095	0.031	U	073SS-0003M-0001-SO	0.031	0.095	0.031	U	N/A	Yes
073SS-0002M-0001-SO	ALDRIN	27	UG/KG	81	27	U	073SS-0003M-0001-SO	27	81	27	U	N/A	Yes
073SS-0002M-0001-SO	ALPHA BHC	27	UG/KG	51	27	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	ALPHA ENDOSULFAN	14	UG/KG	35	14	U	073SS-0003M-0001-SO	14	34	14	U	N/A	Yes
073SS-0002M-0001-SO	ALPHA-CHLORDANE	27	UG/KG	61	27	U	073SS-0003M-0001-SO	27	61	27	U	N/A	Yes
073SS-0002M-0001-SO	BETA BHC	27	UG/KG	71	27	U	073SS-0003M-0001-SO	27	71	27	J	N/A	Yes
073SS-0002M-0001-SO	BETA ENDOSULFAN	27	UG/KG	51	27	U	073SS-0003M-0001-SO	26	50	26	J	N/A	Yes
073SS-0002M-0001-SO	DELTA BHC	27	UG/KG	81	27	U	073SS-0003M-0001-SO	27	81	27	U	N/A	Yes
073SS-0002M-0001-SO	DIELDRIN	14	UG/KG	35	14	U	073SS-0003M-0001-SO	14	34	14	U	N/A	Yes
073SS-0002M-0001-SO	ENDOSULFAN SULFATE	27	UG/KG	61	27	U	073SS-0003M-0001-SO	27	61	27	U	N/A	Yes
073SS-0002M-0001-SO	ENDRIN	14	UG/KG	35	14	U	073SS-0003M-0001-SO	14	34	14	U	N/A	Yes
073SS-0002M-0001-SO	ENDRIN ALDEHYDE	27	UG/KG	61	27	U	073SS-0003M-0001-SO	27	61	27	U	N/A	Yes
073SS-0002M-0001-SO	ENDRIN KETONE	14	UG/KG	41	14	U	073SS-0003M-0001-SO	14	40	14	U	N/A	Yes
073SS-0002M-0001-SO	GAMMA BHC (LINDANE)	27	UG/KG	51	27	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	GAMMA-CHLORDANE	14	UG/KG	35	14	U	073SS-0003M-0001-SO	14	34	14	U	N/A	Yes
073SS-0002M-0001-SO	HEPTACHLOR	27	UG/KG	71	27	U	073SS-0003M-0001-SO	27	71	27	U	N/A	Yes
073SS-0002M-0001-SO	HEPTACHLOR EPOXIDE	27	UG/KG	51	27	U	073SS-0003M-0001-SO	26	50	26	J	N/A	Yes
073SS-0002M-0001-SO	METHOXYCHLOR	67	UG/KG	100	67	U	073SS-0003M-0001-SO	67	100	67	U	N/A	Yes
073SS-0002M-0001-SO	P,P'-DDD	14	UG/KG	41	14	U	073SS-0003M-0001-SO	13	40	13	J	N/A	Yes
073SS-0002M-0001-SO	P,P'-DDE	14	UG/KG	35	14	U	073SS-0003M-0001-SO	14	34	14	U	N/A	Yes
073SS-0002M-0001-SO	P,P'-DDT	14	UG/KG	41	14	U	073SS-0003M-0001-SO	14	40	14	U	N/A	Yes
073SS-0002M-0001-SO	TOXAPHENE	410	UG/KG	1400	410	UJ	073SS-0003M-0001-SO	400	1400	400	U	N/A	Yes
073SS-0002M-0001-SO	PCB-1016	25	UG/KG	66	25	U	073SS-0003M-0001-SO	25	66	25	U	N/A	Yes
073SS-0002M-0001-SO	PCB-1221	25	UG/KG	51	25	U	073SS-0003M-0001-SO	25	51	25	U	N/A	Yes
073SS-0002M-0001-SO	PCB-1232	25	UG/KG	46	25	U	073SS-0003M-0001-SO	25	46	25	U	N/A	Yes
073SS-0002M-0001-SO	PCB-1242	25	UG/KG	41	25	U	073SS-0003M-0001-SO	25	40	25	U	N/A	Yes
073SS-0002M-0001-SO	PCB-1248	25	UG/KG	56	25	U	073SS-0003M-0001-SO	25	56	25	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SS-0002M-0001-SO	PCB-1254	25	UG/KG	56	25	U	073SS-0003M-0001-SO	25	56	25	U	N/A	Yes
073SS-0002M-0001-SO	PCB-1260	25	UG/KG	56	25	U	073SS-0003M-0001-SO	25	56	25	U	N/A	Yes
073SS-0002M-0001-SO	1,1,1-TRICHLOROETHANE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.67	UG/KG	6.7	0.67	UJ	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	1,1,2-TRICHLOROETHANE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	1,1-DICHLOROETHANE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	1,1-DICHLOROETHENE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	1,2-DIBROMOETHANE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	1,2-DICHLOROETHANE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	1,2-DICHLOROPROPANE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	2-HEXANONE	1.3	UG/KG	27	1.3	U	073SS-0003M-0001-SO	1.5	30	1.5	U	N/A	Yes
073SS-0002M-0001-SO	ACETONE	8.4	UG/KG	27	8.4	U	073SS-0003M-0001-SO	9.5	30	9.5	U	N/A	Yes
073SS-0002M-0001-SO	BENZENE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	BROMOCHLOROMETHANE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	BROMODICHLOROMETHANE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	BROMOFORM	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	BROMOMETHANE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	CARBON DISULFIDE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	1.3	7.5	0.75	J	N/A	Yes
073SS-0002M-0001-SO	CARBON TETRACHLORIDE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	CHLOROBENZENE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	CHLOROETHANE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	CHLOROFORM	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	CHLOROMETHANE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	DIBROMOCHLOROMETHANE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	ETHYLBENZENE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	METHYL ETHYL KETONE	2.7	UG/KG	27	2.7	U	073SS-0003M-0001-SO	3	30	3	U	N/A	Yes
073SS-0002M-0001-SO	METHYL ISOBUTYL KETONE	1.3	UG/KG	27	1.3	U	073SS-0003M-0001-SO	1.5	30	1.5	U	N/A	Yes
073SS-0002M-0001-SO	METHYLENE CHLORIDE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	STYRENE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	TERT-BUTYL METHYL ETHER	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	TETRACHLOROETHYLENE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	TOLUENE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	TOTAL 1,2-DICHLOROETHENE	1.3	UG/KG	13	1.3	U	073SS-0003M-0001-SO	1.5	15	1.5	U	N/A	Yes
073SS-0002M-0001-SO	TRANS-1,3-DICHLOROPROPENE	1.3	UG/KG	6.7	1.3	U	073SS-0003M-0001-SO	1.5	7.5	1.5	U	N/A	Yes
073SS-0002M-0001-SO	TRICHLOROETHYLENE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	VINYL CHLORIDE	0.67	UG/KG	6.7	0.67	U	073SS-0003M-0001-SO	0.75	7.5	0.75	U	N/A	Yes
073SS-0002M-0001-SO	XYLENES, TOTAL	2	UG/KG	13	2	U	073SS-0003M-0001-SO	2.3	15	2.3	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SS-0002M-0001-SO	1,2,4-TRICHLOROBENZENE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	1,2-DICHLOROBENZENE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	1,3-DICHLOROBENZENE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	1,4-DICHLOROBENZENE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	2,4,5-TRICHLOROPHENOL	110	UG/KG	610	110	U	073SS-0003M-0001-SO	27	150	27	U	N/A	Yes
073SS-0002M-0001-SO	2,4,6-TRICHLOROPHENOL	320	UG/KG	610	320	U	073SS-0003M-0001-SO	81	150	81	U	N/A	Yes
073SS-0002M-0001-SO	2,4-DICHLOROPHENOL	110	UG/KG	610	110	U	073SS-0003M-0001-SO	27	150	27	U	N/A	Yes
073SS-0002M-0001-SO	2,4-DIMETHYLPHENOL	320	UG/KG	610	320	U	073SS-0003M-0001-SO	81	150	81	U	N/A	Yes
073SS-0002M-0001-SO	2,4-DINITROPHENOL	320	UG/KG	1300	320	UJ	073SS-0003M-0001-SO	81	330	81	U	N/A	Yes
073SS-0002M-0001-SO	2,4-DINITROTOLUENE	110	UG/KG	810	110	R	073SS-0003M-0001-SO	27	200	27	U	N/A	N/A
073SS-0002M-0001-SO	2,6-DINITROTOLUENE	110	UG/KG	810	110	R	073SS-0003M-0001-SO	27	200	27	U	N/A	N/A
073SS-0002M-0001-SO	2-CHLORONAPHTHALENE	13	UG/KG	200	13	U	073SS-0003M-0001-SO	3.3	51	3.3	U	N/A	Yes
073SS-0002M-0001-SO	2-CHLOROPHENOL	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	2-METHYLNAPHTHALENE	90	UG/KG	27	13		073SS-0003M-0001-SO	62	6.8	3.3		N/A	No
073SS-0002M-0001-SO	2-METHYLPHENOL (O-CRESOL)	320	UG/KG	810	320	U	073SS-0003M-0001-SO	81	200	81	U	N/A	Yes
073SS-0002M-0001-SO	2-NITROANILINE	110	UG/KG	810	110	U	073SS-0003M-0001-SO	27	200	27	U	N/A	Yes
073SS-0002M-0001-SO	2-NITROPHENOL	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	3,3'-DICHLOROBENZIDINE	320	UG/KG	400	320	UJ	073SS-0003M-0001-SO	81	100	81	U	N/A	Yes
073SS-0002M-0001-SO	3-NITROANILINE	320	UG/KG	810	320	U	073SS-0003M-0001-SO	81	200	81	U	N/A	Yes
073SS-0002M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	320	UG/KG	610	320	U	073SS-0003M-0001-SO	81	150	81	U	N/A	Yes
073SS-0002M-0001-SO	4-BROMOPHENYL PHENYL ETHER	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	4-CHLORO-3-METHYLPHENOL	110	UG/KG	610	110	U	073SS-0003M-0001-SO	27	150	27	U	N/A	Yes
073SS-0002M-0001-SO	4-CHLOROANILINE	110	UG/KG	610	110	U	073SS-0003M-0001-SO	27	150	27	U	N/A	Yes
073SS-0002M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	4-NITROANILINE	110	UG/KG	810	110	U	073SS-0003M-0001-SO	27	200	27	U	N/A	Yes
073SS-0002M-0001-SO	4-NITROPHENOL	320	UG/KG	1300	320	U	073SS-0003M-0001-SO	81	330	81	U	N/A	Yes
073SS-0002M-0001-SO	ACENAPHTHENE	13	UG/KG	27	13	U	073SS-0003M-0001-SO	3.3	6.8	3.3	U	N/A	Yes
073SS-0002M-0001-SO	ACENAPHTHYLENE	13	UG/KG	27	13	U	073SS-0003M-0001-SO	6.6	6.8	3.3	J	N/A	Yes
073SS-0002M-0001-SO	ANTHRACENE	13	UG/KG	27	13	U	073SS-0003M-0001-SO	16	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	BENZO(A)ANTHRACENE	52	UG/KG	27	13		073SS-0003M-0001-SO	57	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	BENZO(A)PYRENE	87	UG/KG	27	13		073SS-0003M-0001-SO	65	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	BENZO(B)FLUORANTHENE	120	UG/KG	27	13		073SS-0003M-0001-SO	110	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	BENZO(G,H,I)PERYLENE	29	UG/KG	27	13	J	073SS-0003M-0001-SO	47	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	BENZO(K)FLUORANTHENE	26	UG/KG	27	13	J	073SS-0003M-0001-SO	29	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	BENZOIC ACID	1300	UG/KG	2700	1300	U	073SS-0003M-0001-SO	340	670	340	U	N/A	Yes
073SS-0002M-0001-SO	BENZYL ALCOHOL	110	UG/KG	1300	110	U	073SS-0003M-0001-SO	27	330	27	U	N/A	Yes
073SS-0002M-0001-SO	BENZYL BUTYL PHTHALATE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	110	UG/KG	400	110	U	073SS-0003M-0001-SO	27	100	27	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SS-0002M-0001-SO	BIS(2-CHLOROETHYL) ETHER	13	UG/KG	400	13	U	073SS-0003M-0001-SO	3.3	100	3.3	U	N/A	Yes
073SS-0002M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	110	UG/KG	400	110	U	073SS-0003M-0001-SO	27	100	27	U	N/A	Yes
073SS-0002M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	J	N/A	Yes
073SS-0002M-0001-SO	CARBAZOLE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	CHRYSENE	80	UG/KG	27	13		073SS-0003M-0001-SO	71	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	CRESOLS, M & P	320	UG/KG	1600	320	U	073SS-0003M-0001-SO	81	410	81	U	N/A	Yes
073SS-0002M-0001-SO	DIBENZ(A,H)ANTHRACENE	13	UG/KG	27	13	UJ	073SS-0003M-0001-SO	3.3	6.8	3.3	U	N/A	Yes
073SS-0002M-0001-SO	DIBENZOFURAN	23	UG/KG	200	13	J	073SS-0003M-0001-SO	15	51	3.3	J	N/A	Yes
073SS-0002M-0001-SO	DIETHYL PHTHALATE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	DIMETHYL PHTHALATE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	DI-N-BUTYL PHTHALATE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	DI-N-OCTYLPHTHALATE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	FLUORANTHENE	99	UG/KG	27	13		073SS-0003M-0001-SO	120	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	FLUORENE	13	UG/KG	27	13	U	073SS-0003M-0001-SO	8.5	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	HEXACHLOROBENZENE	13	UG/KG	27	13	U	073SS-0003M-0001-SO	3.3	6.8	3.3	U	N/A	Yes
073SS-0002M-0001-SO	HEXACHLOROBUTADIENE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	HEXACHLOROCYCLOPENTADIENE	110	UG/KG	1300	110	U	073SS-0003M-0001-SO	27	330	27	U	N/A	Yes
073SS-0002M-0001-SO	HEXACHLOROETHANE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	INDENO(1,2,3-C,D)PYRENE	54	UG/KG	27	13	J	073SS-0003M-0001-SO	46	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	ISOPHORONE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	NAPHTHALENE	63	UG/KG	27	13		073SS-0003M-0001-SO	49	6.6	3.2		N/A	Yes
073SS-0002M-0001-SO	NITROBENZENE	13	UG/KG	400	13	U	073SS-0003M-0001-SO	3.3	100	3.3	U	N/A	Yes
073SS-0002M-0001-SO	N-NITROSODI-N-PROPYLAMINE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	N-NITROSODIPHENYLAMINE	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	PENTACHLOROPHENOL	320	UG/KG	610	320	U	073SS-0003M-0001-SO	81	150	81	U	N/A	Yes
073SS-0002M-0001-SO	PHENANTHRENE	61	UG/KG	27	13		073SS-0003M-0001-SO	71	6.8	3.3		N/A	Yes
073SS-0002M-0001-SO	PHENOL	110	UG/KG	200	110	U	073SS-0003M-0001-SO	27	51	27	U	N/A	Yes
073SS-0002M-0001-SO	PYRENE	78	UG/KG	27	13		073SS-0003M-0001-SO	88	6.6	3.2		N/A	Yes
073SS-0002M-0001-SO	1,3,5-TRINITROBENZENE	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	1,3-DINITROBENZENE	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	2,4,6-TRINITROTOLUENE	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	2,4-DINITROTOLUENE	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	2,6-DINITROTOLUENE	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	2-AMINO-4,6-DINITROTOLUENE	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	2-NITROTOLUENE	0.049	MG/KG	0.25	0.049	UJ	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	3-NITROTOLUENE	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	4-AMINO-2,6-DINITROTOLUENE	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	4-NITROTOLUENE	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SS-0002M-0001-SO	HMX	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	NITROBENZENE	0.049	MG/KG	0.25	0.049	R	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	N/A
073SS-0002M-0001-SO	NITROGLYCERIN	0.25	MG/KG	0.49	0.25	U	073SS-0003M-0001-SO	0.25	0.5	0.25	U	N/A	Yes
073SS-0002M-0001-SO	PETN	0.25	MG/KG	0.49	0.25	U	073SS-0003M-0001-SO	0.25	0.5	0.25	U	N/A	Yes
073SS-0002M-0001-SO	RDX	0.049	MG/KG	0.25	0.049	UJ	073SS-0003M-0001-SO	0.05	0.25	0.05	U	N/A	Yes
073SS-0002M-0001-SO	TETRYL	0.049	MG/KG	0.25	0.049	U	073SS-0003M-0001-SO	0.024	0.25	0.05	J	N/A	Yes
073SS-0002M-0001-SO	Nitroguanidine	0.039	MG/KG	0.25	0.039	U	073SS-0003M-0001-SO	0.039	0.24	0.039	U	N/A	Yes
073SS-0002M-0001-SO	NITROCELLULOSE	17	MG/KG	47	17	U	073SS-0003M-0001-SO	17	48	17	U	N/A	Yes
073SW-0058-0001-SW	ALUMINUM	130	UG/L	30	5		073SW-0059-0001-SW	140	30	5		N/A	Yes
073SW-0058-0001-SW	ANTIMONY	0.9	UG/L	2	0.9	J	073SW-0059-0001-SW	0.9	2	0.9	U	N/A	Yes
073SW-0058-0001-SW	ARSENIC	0.5	UG/L	1	0.5	U	073SW-0059-0001-SW	0.66	1	0.5	J	N/A	Yes
073SW-0058-0001-SW	BARIUM	18	UG/L	10	0.15		073SW-0059-0001-SW	20	10	0.15		N/A	Yes
073SW-0058-0001-SW	BERYLLIUM	0.09	UG/L	1	0.09	U	073SW-0059-0001-SW	0.057	1	0.09	J	N/A	Yes
073SW-0058-0001-SW	CADMIUM	0.3	UG/L	1	0.3	U	073SW-0059-0001-SW	0.3	1	0.3	U	N/A	Yes
073SW-0058-0001-SW	CALCIUM	28000	UG/L	100	20		073SW-0059-0001-SW	28000	100	20		N/A	Yes
073SW-0058-0001-SW	CHROMIUM	1.8	UG/L	2	1	J	073SW-0059-0001-SW	1.4	2	1	J	N/A	Yes
073SW-0058-0001-SW	COBALT	0.05	UG/L	0.5	0.05	J	073SW-0059-0001-SW	0.05	0.5	0.05	J	N/A	Yes
073SW-0058-0001-SW	COPPER	2.3	UG/L	2	0.5		073SW-0059-0001-SW	2	2	0.5		N/A	Yes
073SW-0058-0001-SW	IRON	650	UG/L	50	20		073SW-0059-0001-SW	840	50	20		26	N/A
073SW-0058-0001-SW	LEAD	0.3	UG/L	1	0.3	U	073SW-0059-0001-SW	0.3	1	0.3	U	N/A	Yes
073SW-0058-0001-SW	MAGNESIUM	6200	UG/L	100	22		073SW-0059-0001-SW	6200	100	22		0	N/A
073SW-0058-0001-SW	MANGANESE	160	UG/L	5	0.3		073SW-0059-0001-SW	200	5	0.3		22	N/A
073SW-0058-0001-SW	NICKEL	0.32	UG/L	1	0.35	J	073SW-0059-0001-SW	0.33	1	0.35	J	N/A	Yes
073SW-0058-0001-SW	POTASSIUM	1300	UG/L	100	60		073SW-0059-0001-SW	1300	100	60		0	N/A
073SW-0058-0001-SW	SELENIUM	1	UG/L	5	1	U	073SW-0059-0001-SW	1	5	1	U	N/A	Yes
073SW-0058-0001-SW	SILVER	0.2	UG/L	1	0.2	U	073SW-0059-0001-SW	0.2	1	0.2	U	N/A	Yes
073SW-0058-0001-SW	SODIUM	18000	UG/L	100	55		073SW-0059-0001-SW	18000	100	55		0	N/A
073SW-0058-0001-SW	THALLIUM	0.2	UG/L	1	0.2	U	073SW-0059-0001-SW	0.2	1	0.2	U	N/A	Yes
073SW-0058-0001-SW	VANADIUM	0.6	UG/L	1	0.6	U	073SW-0059-0001-SW	0.6	1	0.6	U	N/A	Yes
073SW-0058-0001-SW	ZINC	3.2	UG/L	5	2	J	073SW-0059-0001-SW	3.1	5	2	J	N/A	Yes
073SW-0058-0001-SW	MERCURY	0.2	UG/L	0.2	0.2	U	073SW-0059-0001-SW	0.2	0.2	0.2	U	N/A	Yes
073SW-0058-0001-SW	1,2,4-TRICHLOROBENZENE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	1,2-DICHLOROBENZENE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	1,3-DICHLOROBENZENE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	1,4-DICHLOROBENZENE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	2,4,5-TRICHLOROPHENOL	0.83	UG/L	5.2	0.83	U	073SW-0059-0001-SW	0.86	5.4	0.86	U	N/A	Yes
073SW-0058-0001-SW	2,4,6-TRICHLOROPHENOL	0.83	UG/L	5.2	0.83	U	073SW-0059-0001-SW	0.86	5.4	0.86	U	N/A	Yes
073SW-0058-0001-SW	2,4-DICHLOROPHENOL	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SW-0058-0001-SW	2,4-DIMETHYLPHENOL	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	2,4-DINITROPHENOL	2.5	UG/L	5.2	2.5	U	073SW-0059-0001-SW	2.6	5.4	2.6	U	N/A	Yes
073SW-0058-0001-SW	2,4-DINITROTOLUENE	0.83	UG/L	5.2	0.83	U	073SW-0059-0001-SW	0.86	5.4	0.86	U	N/A	Yes
073SW-0058-0001-SW	2,6-DINITROTOLUENE	0.83	UG/L	5.2	0.83	U	073SW-0059-0001-SW	0.86	5.4	0.86	U	N/A	Yes
073SW-0058-0001-SW	2-CHLORONAPHTHALENE	0.1	UG/L	1	0.1	U	073SW-0059-0001-SW	0.11	1.1	0.11	U	N/A	Yes
073SW-0058-0001-SW	2-CHLOROPHENOL	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	2-METHYLNAPHTHALENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	2-METHYLPHENOL (O-CRESOL)	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	2-NITROANILINE	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	2-NITROPHENOL	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	3,3'-DICHLOROBENZIDINE	0.83	UG/L	5.2	0.83	U	073SW-0059-0001-SW	0.86	5.4	0.86	U	N/A	Yes
073SW-0058-0001-SW	3-NITROANILINE	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	4,6-DINITRO-2-METHYLPHENOL	2.5	UG/L	5.2	2.5	U	073SW-0059-0001-SW	2.6	5.4	2.6	U	N/A	Yes
073SW-0058-0001-SW	4-BROMOPHENYL PHENYL ETHER	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	4-CHLORO-3-METHYLPHENOL	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	4-CHLOROANILINE	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	4-CHLOROPHENYL PHENYL ETHER	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	4-NITROANILINE	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	4-NITROPHENOL	2.5	UG/L	5.2	2.5	U	073SW-0059-0001-SW	2.6	5.4	2.6	U	N/A	Yes
073SW-0058-0001-SW	ACENAPHTHENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	ACENAPHTHYLENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	ANTHRACENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	BENZO(A)ANTHRACENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	BENZO(A)PYRENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	BENZO(B)FLUORANTHENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	BENZO(G,H,I)PERYLENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	BENZO(K)FLUORANTHENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	BENZOIC ACID	10	UG/L	26	10	U	073SW-0059-0001-SW	11	27	11	U	N/A	Yes
073SW-0058-0001-SW	BENZYL ALCOHOL	0.83	UG/L	5.2	0.83	U	073SW-0059-0001-SW	0.86	5.4	0.86	U	N/A	Yes
073SW-0058-0001-SW	BENZYL BUTYL PHTHALATE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	BIS(2-CHLOROETHOXY) METHANE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	BIS(2-CHLOROETHYL) ETHER (2-CHLOI	0.1	UG/L	1	0.1	U	073SW-0059-0001-SW	0.11	1.1	0.11	U	N/A	Yes
073SW-0058-0001-SW	BIS(2-CHLOROISOPROPYL) ETHER	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	BIS(2-ETHYLHEXYL) PHTHALATE	1.4	UG/L	2.1	0.83	J	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	CARBAZOLE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	CHRYSENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	CRESOLS, M & P	0.83	UG/L	2.1	0.83	U	073SW-0059-0001-SW	0.86	2.2	0.86	U	N/A	Yes
073SW-0058-0001-SW	DIBENZ(A,H)ANTHRACENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
073SW-0058-0001-SW	DIBENZOFURAN	0.1	UG/L	1	0.1	U	073SW-0059-0001-SW	0.11	1.1	0.11	U	N/A	Yes
073SW-0058-0001-SW	DIETHYL PHTHALATE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	DIMETHYL PHTHALATE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	DI-N-BUTYL PHTHALATE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	DI-N-OCTYLPHTHALATE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	FLUORANTHENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	FLUORENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	HEXACHLOROBENZENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	HEXACHLOROBUTADIENE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	HEXACHLOROCYCLOPENTADIENE	0.83	UG/L	10	0.83	U	073SW-0059-0001-SW	0.86	11	0.86	U	N/A	Yes
073SW-0058-0001-SW	HEXACHLOROETHANE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	INDENO(1,2,3-C,D)PYRENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	ISOPHORONE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	NAPHTHALENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	NITROBENZENE	0.1	UG/L	1	0.1	U	073SW-0059-0001-SW	0.11	1.1	0.11	U	N/A	Yes
073SW-0058-0001-SW	N-NITROSODI-N-PROPYLAMINE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	N-NITROSODIPHENYLAMINE	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	PENTACHLOROPHENOL	2.5	UG/L	5.2	2.5	U	073SW-0059-0001-SW	2.6	5.4	2.6	U	N/A	Yes
073SW-0058-0001-SW	PHENANTHRENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes
073SW-0058-0001-SW	PHENOL	0.83	UG/L	1	0.83	U	073SW-0059-0001-SW	0.86	1.1	0.86	U	N/A	Yes
073SW-0058-0001-SW	PYRENE	0.1	UG/L	0.21	0.1	U	073SW-0059-0001-SW	0.11	0.22	0.11	U	N/A	Yes

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qual	Sample	Result	DL	LOQ	LOD	Qual	RPD	W/In LOQ
074SB-0002-0001-SO	C10-C20	11	MG/KG	11	19	11	U	074SB-0003-0001-SO	11	11	20	11	U	N/A	Yes
074SB-0002-0001-SO	C20-C34	11	MG/KG	11	19	11	U	074SB-0003-0001-SO	11	11	20	11	U	N/A	Yes
074SB-0002-0001-SO	1,2,4-TRICHLOROBENZENE	32	UG/KG	32	59	32	U	074SB-0003-0001-SO	32	32	59	32	U	N/A	Yes
074SB-0002-0001-SO	1,2-DICHLOROBENZENE	32	UG/KG	11	59	32	U	074SB-0003-0001-SO	32	11	59	32	U	N/A	Yes
074SB-0002-0001-SO	1,3-DICHLOROBENZENE	32	UG/KG	13	59	32	U	074SB-0003-0001-SO	32	13	59	32	U	N/A	Yes
074SB-0002-0001-SO	1,4-DICHLOROBENZENE	32	UG/KG	23	59	32	U	074SB-0003-0001-SO	32	24	59	32	U	N/A	Yes
074SB-0002-0001-SO	2,4,5-TRICHLOROPHENOL	32	UG/KG	29	180	32	U	074SB-0003-0001-SO	32	29	180	32	U	N/A	Yes
074SB-0002-0001-SO	2,4,6-TRICHLOROPHENOL	94	UG/KG	94	180	94	U	074SB-0003-0001-SO	94	94	180	94	U	N/A	Yes
074SB-0002-0001-SO	2,4-DICHLOROPHENOL	32	UG/KG	23	180	32	U	074SB-0003-0001-SO	32	24	180	32	U	N/A	Yes
074SB-0002-0001-SO	2,4-DIMETHYLPHENOL	94	UG/KG	23	180	94	U	074SB-0003-0001-SO	94	24	180	94	U	N/A	Yes
074SB-0002-0001-SO	2,4-DINITROPHENOL	94	UG/KG	94	390	94	UJ	074SB-0003-0001-SO	94	94	390	94	U	N/A	Yes
074SB-0002-0001-SO	2,4-DINITROTOLUENE	32	UG/KG	32	230	32	U	074SB-0003-0001-SO	32	32	240	32	U	N/A	Yes
074SB-0002-0001-SO	2,6-DINITROTOLUENE	32	UG/KG	25	230	32	U	074SB-0003-0001-SO	32	25	240	32	U	N/A	Yes
074SB-0002-0001-SO	2-CHLORONAPHTHALENE	3.9	UG/KG	3.9	59	3.9	U	074SB-0003-0001-SO	3.9	3.9	59	3.9	U	N/A	Yes
074SB-0002-0001-SO	2-CHLOROPHENOL	32	UG/KG	32	59	32	U	074SB-0003-0001-SO	32	32	59	32	U	N/A	Yes
074SB-0002-0001-SO	2-METHYLNAPHTHALENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	2-METHYLPHENOL	94	UG/KG	94	230	94	U	074SB-0003-0001-SO	94	94	240	94	U	N/A	Yes
074SB-0002-0001-SO	2-NITROANILINE	32	UG/KG	11	230	32	U	074SB-0003-0001-SO	32	11	240	32	U	N/A	Yes
074SB-0002-0001-SO	2-NITROPHENOL	32	UG/KG	32	59	32	U	074SB-0003-0001-SO	32	32	59	32	U	N/A	Yes
074SB-0002-0001-SO	3,3'-DICHLOROBENZIDINE	94	UG/KG	21	120	94	U	074SB-0003-0001-SO	94	21	120	94	U	N/A	Yes
074SB-0002-0001-SO	3-NITROANILINE	94	UG/KG	19	230	94	U	074SB-0003-0001-SO	94	19	240	94	U	N/A	Yes
074SB-0002-0001-SO	4,6-DINITRO-2-METHYLPHENOL	94	UG/KG	94	180	94	UJ	074SB-0003-0001-SO	94	94	180	94	U	N/A	Yes
074SB-0002-0001-SO	4-BROMOPHENYL PHENYL ETHER	32	UG/KG	15	59	32	U	074SB-0003-0001-SO	32	15	59	32	U	N/A	Yes
074SB-0002-0001-SO	4-CHLORO-3-METHYLPHENOL	32	UG/KG	25	180	32	U	074SB-0003-0001-SO	32	25	180	32	U	N/A	Yes
074SB-0002-0001-SO	4-CHLOROANILINE	32	UG/KG	20	180	32	U	074SB-0003-0001-SO	32	20	180	32	U	N/A	Yes
074SB-0002-0001-SO	4-CHLOROPHENYL PHENYL ETHER	32	UG/KG	15	59	32	U	074SB-0003-0001-SO	32	15	59	32	U	N/A	Yes
074SB-0002-0001-SO	4-NITROANILINE	32	UG/KG	30	230	32	U	074SB-0003-0001-SO	32	31	240	32	U	N/A	Yes
074SB-0002-0001-SO	4-NITROPHENOL	94	UG/KG	94	390	94	U	074SB-0003-0001-SO	94	94	390	94	U	N/A	Yes
074SB-0002-0001-SO	ACENAPHTHENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	ACENAPHTHYLENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	ANTHRACENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	BENZO(A)ANTHRACENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	BENZO(A)PYRENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	BENZO(B)FLUORANTHENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	BENZO(G,H,I)PERYLENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	BENZO(K)FLUORANTHENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes

Sample	Analyte	Result	Units	DL	LOQ	LOD	Qual	Sample	Result	DL	LOQ	LOD	Qual	RPD	W/In LOQ
074SB-0002-0001-SO	BENZOIC ACID	390	UG/KG	390	770	390	U	074SB-0003-0001-SO	390	390	780	390	U	N/A	Yes
074SB-0002-0001-SO	BENZYL ALCOHOL	32	UG/KG	25	390	32	U	074SB-0003-0001-SO	32	25	390	32	U	N/A	Yes
074SB-0002-0001-SO	BENZYL BUTYL PHTHALATE	32	UG/KG	12	82	32	U	074SB-0003-0001-SO	32	12	82	32	U	N/A	Yes
074SB-0002-0001-SO	BIS(2-CHLOROETHOXY) METHANE	32	UG/KG	26	120	32	U	074SB-0003-0001-SO	32	26	120	32	U	N/A	Yes
074SB-0002-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.9	UG/KG	2.3	120	3.9	U	074SB-0003-0001-SO	3.9	2.4	120	3.9	U	N/A	Yes
074SB-0002-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	32	UG/KG	11	120	32	U	074SB-0003-0001-SO	32	11	120	32	U	N/A	Yes
074SB-0002-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	32	UG/KG	22	82	32	U	074SB-0003-0001-SO	32	22	82	32	J	N/A	Yes
074SB-0002-0001-SO	CARBAZOLE	32	UG/KG	32	59	32	U	074SB-0003-0001-SO	32	32	59	32	U	N/A	Yes
074SB-0002-0001-SO	CHRYSENE	3.9	UG/KG	1.3	7.8	3.9	U	074SB-0003-0001-SO	3.9	1.3	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	CRESOLS, M & P	94	UG/KG	23	470	94	U	074SB-0003-0001-SO	94	24	470	94	U	N/A	Yes
074SB-0002-0001-SO	DIBENZ(A,H)ANTHRACENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	DIBENZOFURAN	3.9	UG/KG	3.9	59	3.9	U	074SB-0003-0001-SO	3.9	3.9	59	3.9	U	N/A	Yes
074SB-0002-0001-SO	DIETHYL PHTHALATE	32	UG/KG	19	82	32	U	074SB-0003-0001-SO	32	19	82	32	U	N/A	Yes
074SB-0002-0001-SO	DIMETHYL PHTHALATE	32	UG/KG	20	82	32	U	074SB-0003-0001-SO	32	20	82	32	U	N/A	Yes
074SB-0002-0001-SO	DI-N-BUTYL PHTHALATE	32	UG/KG	18	82	32	U	074SB-0003-0001-SO	32	18	82	32	J	N/A	Yes
074SB-0002-0001-SO	DI-N-OCTYLPHTHALATE	32	UG/KG	32	82	32	U	074SB-0003-0001-SO	32	32	82	32	U	N/A	Yes
074SB-0002-0001-SO	FLUORANTHENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	FLUORENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	HEXACHLOROBENZENE	3.9	UG/KG	2.5	7.8	3.9	U	074SB-0003-0001-SO	3.9	2.5	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	HEXACHLOROBUTADIENE	32	UG/KG	32	59	32	U	074SB-0003-0001-SO	32	32	59	32	U	N/A	Yes
074SB-0002-0001-SO	HEXACHLOROCYCLOPENTADIENE	32	UG/KG	32	390	32	U	074SB-0003-0001-SO	32	32	390	32	U	N/A	Yes
074SB-0002-0001-SO	HEXACHLOROETHANE	32	UG/KG	11	59	32	U	074SB-0003-0001-SO	32	11	59	32	U	N/A	Yes
074SB-0002-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	ISOPHORONE	32	UG/KG	15	59	32	U	074SB-0003-0001-SO	32	15	59	32	U	N/A	Yes
074SB-0002-0001-SO	NAPHTHALENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	NITROBENZENE	3.9	UG/KG	2.6	120	3.9	U	074SB-0003-0001-SO	3.9	2.6	120	3.9	U	N/A	Yes
074SB-0002-0001-SO	N-NITROSODI-N-PROPYLAMINE	32	UG/KG	32	59	32	U	074SB-0003-0001-SO	32	32	59	32	U	N/A	Yes
074SB-0002-0001-SO	N-NITROSODIPHENYLAMINE	32	UG/KG	25	59	32	U	074SB-0003-0001-SO	32	25	59	32	U	N/A	Yes
074SB-0002-0001-SO	PENTACHLOROPHENOL	94	UG/KG	94	180	94	U	074SB-0003-0001-SO	94	94	180	94	U	N/A	Yes
074SB-0002-0001-SO	PHENANTHRENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes
074SB-0002-0001-SO	PHENOL	32	UG/KG	32	59	32	U	074SB-0003-0001-SO	32	32	59	32	U	N/A	Yes
074SB-0002-0001-SO	PYRENE	3.9	UG/KG	3.9	7.8	3.9	U	074SB-0003-0001-SO	3.9	3.9	7.9	3.9	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0092-0001-SO	ALUMINUM	8000	MG/KG	2.2	0.45		076SB-0093-0001-SO	8000	2.3	0.46		0	N/A
076SB-0092-0001-SO	ANTIMONY	0.16	MG/KG	0.15	0.075		076SB-0093-0001-SO	0.12	0.15	0.077	J	N/A	Yes
076SB-0092-0001-SO	ARSENIC	13	MG/KG	0.075	0.037		076SB-0093-0001-SO	12	0.077	0.038		8	N/A
076SB-0092-0001-SO	BARIUM	42	MG/KG	0.75	0.015		076SB-0093-0001-SO	39	0.77	0.015		7	N/A
076SB-0092-0001-SO	BERYLLIUM	0.43	MG/KG	0.075	0.0075		076SB-0093-0001-SO	0.43	0.077	0.0077		0	N/A
076SB-0092-0001-SO	CADMIUM	0.11	MG/KG	0.075	0.022		076SB-0093-0001-SO	0.12	0.077	0.023		N/A	Yes
076SB-0092-0001-SO	CALCIUM	3400	MG/KG	7.5	1.9		076SB-0093-0001-SO	3300	7.7	1.9		3	N/A
076SB-0092-0001-SO	CHROMIUM	16	MG/KG	0.15	0.03		076SB-0093-0001-SO	16	0.15	0.031		0	N/A
076SB-0092-0001-SO	COBALT	10	MG/KG	0.037	0.0075		076SB-0093-0001-SO	9.1	0.038	0.0077		9	N/A
076SB-0092-0001-SO	COPPER	16	MG/KG	0.15	0.045		076SB-0093-0001-SO	17	0.15	0.046		6	N/A
076SB-0092-0001-SO	IRON	22000	MG/KG	3.7	1.5		076SB-0093-0001-SO	25000	3.8	1.5		13	N/A
076SB-0092-0001-SO	LEAD	17	MG/KG	0.075	0.022		076SB-0093-0001-SO	20	0.077	0.023		16	N/A
076SB-0092-0001-SO	MAGNESIUM	2500	MG/KG	7.5	1.5		076SB-0093-0001-SO	2600	7.7	1.5		4	N/A
076SB-0092-0001-SO	MANGANESE	490	MG/KG	0.37	0.022		076SB-0093-0001-SO	460	0.38	0.023		6	N/A
076SB-0092-0001-SO	NICKEL	19	MG/KG	0.075	0.022		076SB-0093-0001-SO	19	0.077	0.023		0	N/A
076SB-0092-0001-SO	POTASSIUM	720	MG/KG	7.5	4.5		076SB-0093-0001-SO	810	7.7	4.6		12	N/A
076SB-0092-0001-SO	SELENIUM	0.44	MG/KG	0.37	0.075		076SB-0093-0001-SO	0.37	0.38	0.077	J	N/A	Yes
076SB-0092-0001-SO	SILVER	0.028	MG/KG	0.075	0.022	J	076SB-0093-0001-SO	0.026	0.077	0.023	J	N/A	Yes
076SB-0092-0001-SO	SODIUM	39	MG/KG	7.5	3.7		076SB-0093-0001-SO	41	7.7	3.8		5	N/A
076SB-0092-0001-SO	THALLIUM	0.13	MG/KG	0.075	0.015		076SB-0093-0001-SO	0.13	0.077	0.015		N/A	Yes
076SB-0092-0001-SO	VANADIUM	15	MG/KG	0.075	0.045		076SB-0093-0001-SO	17	0.077	0.046		13	N/A
076SB-0092-0001-SO	ZINC	53	MG/KG	0.37	0.15		076SB-0093-0001-SO	57	0.38	0.15		7	N/A
076SB-0092-0001-SO	MERCURY	0.038	MG/KG	0.12	0.039	J	076SB-0093-0001-SO	0.039	0.1	0.034	J	N/A	Yes
076SB-0092-0001-SO	1,1,1-TRICHLOROETHANE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	1,1,2-TRICHLOROETHANE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	1,1-DICHLOROETHANE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	1,1-DICHLOROETHENE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	1,2-DIBROMOETHANE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	1,2-DICHLOROETHANE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	1,2-DICHLOROPROPANE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	2-HEXANONE	1.5	UG/KG	20	0.98	J	076SB-0093-0001-SO	1.2	24	1.2		N/A	Yes
076SB-0092-0001-SO	ACETONE	6.2	UG/KG	20	6.2		076SB-0093-0001-SO	7.6	24	7.6		N/A	Yes
076SB-0092-0001-SO	BENZENE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	BROMOCHLOROMETHANE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	BROMODICHLOROMETHANE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0092-0001-SO	BROMOFORM	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	BROMOMETHANE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	CARBON DISULFIDE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	CARBON TETRACHLORIDE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	CHLOROBENZENE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	CHLOROETHANE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	CHLOROFORM	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	CHLOROMETHANE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	CIS-1,3-DICHLOROPROPENE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	DIBROMOCHLOROMETHANE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	ETHYLBENZENE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	METHYL ETHYL KETONE	2	UG/KG	20	2		076SB-0093-0001-SO	2.4	24	2.4		N/A	Yes
076SB-0092-0001-SO	METHYL ISOBUTYL KETONE	1	UG/KG	20	0.98	J	076SB-0093-0001-SO	1.2	24	1.2		N/A	Yes
076SB-0092-0001-SO	METHYLENE CHLORIDE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	STYRENE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	TETRACHLOROETHYLENE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	TOLUENE	0.84	UG/KG	4.9	0.49	J	076SB-0093-0001-SO	1.1	6	0.6	J	N/A	Yes
076SB-0092-0001-SO	TOTAL 1,2-DICHLOROETHENE	0.98	UG/KG	9.8	0.98		076SB-0093-0001-SO	1.2	12	1.2		N/A	Yes
076SB-0092-0001-SO	TRANS-1,3-DICHLOROPROPENE	0.98	UG/KG	4.9	0.98		076SB-0093-0001-SO	1.2	6	1.2		N/A	Yes
076SB-0092-0001-SO	TRICHLOROETHYLENE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	VINYL CHLORIDE	0.49	UG/KG	4.9	0.49		076SB-0093-0001-SO	0.6	6	0.6		N/A	Yes
076SB-0092-0001-SO	XYLENES, TOTAL	1.5	UG/KG	9.8	1.5		076SB-0093-0001-SO	1.8	12	1.8		N/A	Yes
076SB-0092-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27		076SB-0093-0001-SO	27	150	27		N/A	Yes
076SB-0092-0001-SO	2,4,6-TRICHLOROPHENOL	79	UG/KG	150	79		076SB-0093-0001-SO	80	150	80		N/A	Yes
076SB-0092-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27		076SB-0093-0001-SO	27	150	27		N/A	Yes
076SB-0092-0001-SO	2,4-DIMETHYLPHENOL	79	UG/KG	150	79		076SB-0093-0001-SO	80	150	80		N/A	Yes
076SB-0092-0001-SO	2,4-DINITROPHENOL	79	UG/KG	330	79		076SB-0093-0001-SO	80	330	80		N/A	Yes
076SB-0092-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27		076SB-0093-0001-SO	27	200	27		N/A	Yes
076SB-0092-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27		076SB-0093-0001-SO	27	200	27		N/A	Yes
076SB-0092-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	49	3.3		076SB-0093-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0092-0001-SO	2-CHLOROPHENOL	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	2-METHYLNAPHTHALENE	3.3	UG/KG	6.6	3.3	J	076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0092-0001-SO	2-METHYLPHENOL	79	UG/KG	200	79		076SB-0093-0001-SO	80	200	80		N/A	Yes
076SB-0092-0001-SO	2-NITROANILINE	27	UG/KG	200	27		076SB-0093-0001-SO	27	200	27		N/A	Yes
076SB-0092-0001-SO	2-NITROPHENOL	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	3,3'-DICHLOROBENZIDINE	79	UG/KG	99	79		076SB-0093-0001-SO	80	100	80		N/A	Yes
076SB-0092-0001-SO	3-NITROANILINE	79	UG/KG	200	79		076SB-0093-0001-SO	80	200	80		N/A	Yes
076SB-0092-0001-SO	4,6-DINITRO-2-METHYLPHENOL	79	UG/KG	150	79		076SB-0093-0001-SO	80	150	80		N/A	Yes
076SB-0092-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27		076SB-0093-0001-SO	27	150	27		N/A	Yes
076SB-0092-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27		076SB-0093-0001-SO	27	150	27		N/A	Yes
076SB-0092-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	4-NITROANILINE	27	UG/KG	200	27		076SB-0093-0001-SO	27	200	27		N/A	Yes
076SB-0092-0001-SO	4-NITROPHENOL	79	UG/KG	330	79		076SB-0093-0001-SO	80	330	80		N/A	Yes
076SB-0092-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	ANTHRACENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	BENZO(A)PYRENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	BENZO(B)FLUORANTHENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	BENZO(K)FLUORANTHENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	BENZOIC ACID	330	UG/KG	650	330		076SB-0093-0001-SO	330	660	330		N/A	Yes
076SB-0092-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27		076SB-0093-0001-SO	27	330	27		N/A	Yes
076SB-0092-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	99	27		076SB-0093-0001-SO	27	100	27		N/A	Yes
076SB-0092-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	99	3.3		076SB-0093-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0092-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	99	27		076SB-0093-0001-SO	27	100	27		N/A	Yes
076SB-0092-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	30	UG/KG	49	27	J	076SB-0093-0001-SO	34	50	27	J	N/A	Yes
076SB-0092-0001-SO	CARBAZOLE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	CHRYSENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	CRESOLS, M & P	79	UG/KG	390	79		076SB-0093-0001-SO	80	400	80		N/A	Yes
076SB-0092-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	DIBENZOFURAN	3.3	UG/KG	49	3.3		076SB-0093-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0092-0001-SO	DIETHYL PHTHALATE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0092-0001-SO	FLUORANTHENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	FLUORENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27		076SB-0093-0001-SO	27	330	27		N/A	Yes
076SB-0092-0001-SO	HEXACHLOROETHANE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	ISOPHORONE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	NAPHTHALENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0092-0001-SO	NITROBENZENE	3.3	UG/KG	99	3.3		076SB-0093-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0092-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	PENTACHLOROPHENOL	79	UG/KG	150	79		076SB-0093-0001-SO	80	150	80		N/A	Yes
076SB-0092-0001-SO	PHENANTHRENE	5.1	UG/KG	6.6	3.3	J	076SB-0093-0001-SO	3.5	6.7	3.3	J	N/A	Yes
076SB-0092-0001-SO	PHENOL	27	UG/KG	49	27		076SB-0093-0001-SO	27	50	27		N/A	Yes
076SB-0092-0001-SO	PYRENE	3.3	UG/KG	6.6	3.3		076SB-0093-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	ALUMINUM	9500	MG/KG	2.7	0.54		076SB-0095-0001-SO	11000	2.1	0.42		15	N/A
076SB-0094-0001-SO	ANTIMONY	0.23	MG/KG	0.18	0.089	J-	076SB-0095-0001-SO	0.11	0.14	0.069	J	N/A	Yes
076SB-0094-0001-SO	ARSENIC	17	MG/KG	0.089	0.045	J-	076SB-0095-0001-SO	13	0.069	0.035		27	N/A
076SB-0094-0001-SO	BARIUM	47	MG/KG	0.89	0.018	J	076SB-0095-0001-SO	49	0.69	0.014		4	N/A
076SB-0094-0001-SO	BERYLLIUM	0.51	MG/KG	0.089	0.0089	J-	076SB-0095-0001-SO	0.5	0.069	0.0069		2	N/A
076SB-0094-0001-SO	CADMIUM	0.13	MG/KG	0.089	0.027	J-	076SB-0095-0001-SO	0.13	0.069	0.021		N/A	Yes
076SB-0094-0001-SO	CALCIUM	970	MG/KG	8.9	2.2	J+	076SB-0095-0001-SO	1000	6.9	1.7		3	N/A
076SB-0094-0001-SO	CHROMIUM	17	MG/KG	0.18	0.036	J-	076SB-0095-0001-SO	18	0.14	0.028		6	N/A
076SB-0094-0001-SO	COBALT	9.7	MG/KG	0.045	0.0089	J-	076SB-0095-0001-SO	8.6	0.035	0.0069		12	N/A
076SB-0094-0001-SO	COPPER	17	MG/KG	0.18	0.054	J-	076SB-0095-0001-SO	17	0.14	0.042		0	N/A
076SB-0094-0001-SO	IRON	29000	MG/KG	4.5	1.8		076SB-0095-0001-SO	25000	3.5	1.4		15	N/A
076SB-0094-0001-SO	LEAD	24	MG/KG	0.089	0.027	J	076SB-0095-0001-SO	20	0.069	0.021		18	N/A
076SB-0094-0001-SO	MAGNESIUM	2100	MG/KG	8.9	1.8		076SB-0095-0001-SO	2300	6.9	1.4		9	N/A
076SB-0094-0001-SO	MANGANESE	380	MG/KG	0.45	0.027	J	076SB-0095-0001-SO	310	0.35	0.021		20	N/A
076SB-0094-0001-SO	NICKEL	21	MG/KG	0.089	0.027	J-	076SB-0095-0001-SO	20	0.069	0.021		5	N/A
076SB-0094-0001-SO	POTASSIUM	790	MG/KG	8.9	5.4	J-	076SB-0095-0001-SO	820	6.9	4.2		4	N/A
076SB-0094-0001-SO	SELENIUM	0.47	MG/KG	0.45	0.089	J-	076SB-0095-0001-SO	0.39	0.35	0.069		N/A	Yes
076SB-0094-0001-SO	SILVER	0.025	MG/KG	0.089	0.027	J-	076SB-0095-0001-SO	0.024	0.069	0.021	J	N/A	Yes
076SB-0094-0001-SO	SODIUM	39	MG/KG	8.9	4.5		076SB-0095-0001-SO	40	6.9	3.5		3	N/A
076SB-0094-0001-SO	THALLIUM	0.14	MG/KG	0.089	0.018		076SB-0095-0001-SO	0.15	0.069	0.014		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0094-0001-SO	VANADIUM	18	MG/KG	0.089	0.054		076SB-0095-0001-SO	19	0.069	0.042		5	N/A
076SB-0094-0001-SO	ZINC	63	MG/KG	0.45	0.18	J	076SB-0095-0001-SO	59	0.35	0.14		7	N/A
076SB-0094-0001-SO	MERCURY	0.042	MG/KG	0.1	0.034	J	076SB-0095-0001-SO	0.038	0.097	0.032	J	N/A	Yes
076SB-0094-0001-SO	1,1,1-TRICHLOROETHANE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	1,1,2-TRICHLOROETHANE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	1,1-DICHLOROETHANE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	1,1-DICHLOROETHENE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	1,2-DIBROMOETHANE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	1,2-DICHLOROETHANE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	1,2-DICHLOROPROPANE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	2-HEXANONE	1.1	UG/KG	23	1.1	UJ	076SB-0095-0001-SO	1.2	23	1.2		N/A	Yes
076SB-0094-0001-SO	ACETONE	7.2	UG/KG	23	7.2	UJ	076SB-0095-0001-SO	7.3	23	7.3		N/A	Yes
076SB-0094-0001-SO	BENZENE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	BROMOCHLOROMETHANE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	BROMODICHLOROMETHANE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	BROMOFORM	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	BROMOMETHANE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	CARBON DISULFIDE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	CARBON TETRACHLORIDE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	CHLOROBENZENE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	CHLOROETHANE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	CHLOROFORM	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	CHLOROMETHANE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	CIS-1,3-DICHLOROPROPENE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	DIBROMOCHLOROMETHANE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	ETHYLBENZENE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	METHYL ETHYL KETONE	2.3	UG/KG	23	2.3	UJ	076SB-0095-0001-SO	2.3	23	2.3		N/A	Yes
076SB-0094-0001-SO	METHYL ISOBUTYL KETONE	1.1	UG/KG	23	1.1	UJ	076SB-0095-0001-SO	1.2	23	1.2		N/A	Yes
076SB-0094-0001-SO	METHYLENE CHLORIDE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.4	5.8	1.2	J	N/A	Yes
076SB-0094-0001-SO	STYRENE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	TETRACHLOROETHYLENE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	TOLUENE	1	UG/KG	5.7	0.57	J	076SB-0095-0001-SO	2.7	5.8	0.58	J	N/A	Yes
076SB-0094-0001-SO	TOTAL 1,2-DICHLOROETHENE	1.1	UG/KG	11	1.1	UJ	076SB-0095-0001-SO	1.2	12	1.2		N/A	Yes
076SB-0094-0001-SO	TRANS-1,3-DICHLOROPROPENE	1.1	UG/KG	5.7	1.1	UJ	076SB-0095-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0094-0001-SO	TRICHLOROETHYLENE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0094-0001-SO	VINYL CHLORIDE	0.57	UG/KG	5.7	0.57	UJ	076SB-0095-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0094-0001-SO	XYLENES, TOTAL	1.7	UG/KG	11	1.7	UJ	076SB-0095-0001-SO	1.7	12	1.7		N/A	Yes
076SB-0094-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	076SB-0095-0001-SO	27	150	27		N/A	Yes
076SB-0094-0001-SO	2,4,6-TRICHLOROPHENOL	79	UG/KG	150	79	U	076SB-0095-0001-SO	80	150	80		N/A	Yes
076SB-0094-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	076SB-0095-0001-SO	27	150	27		N/A	Yes
076SB-0094-0001-SO	2,4-DIMETHYLPHENOL	79	UG/KG	150	79	U	076SB-0095-0001-SO	80	150	80		N/A	Yes
076SB-0094-0001-SO	2,4-DINITROPHENOL	79	UG/KG	330	79	U	076SB-0095-0001-SO	80	330	80		N/A	Yes
076SB-0094-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	076SB-0095-0001-SO	27	200	27		N/A	Yes
076SB-0094-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	076SB-0095-0001-SO	27	200	27		N/A	Yes
076SB-0094-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	076SB-0095-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0094-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	2-METHYLNAPHTHALENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	2-METHYLPHENOL	79	UG/KG	200	79	U	076SB-0095-0001-SO	80	200	80		N/A	Yes
076SB-0094-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	076SB-0095-0001-SO	27	200	27		N/A	Yes
076SB-0094-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	3,3'-DICHLOROBENZIDINE	79	UG/KG	99	79	U	076SB-0095-0001-SO	80	100	80		N/A	Yes
076SB-0094-0001-SO	3-NITROANILINE	79	UG/KG	200	79	U	076SB-0095-0001-SO	80	200	80		N/A	Yes
076SB-0094-0001-SO	4,6-DINITRO-2-METHYLPHENOL	79	UG/KG	150	79	U	076SB-0095-0001-SO	80	150	80		N/A	Yes
076SB-0094-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	076SB-0095-0001-SO	27	150	27		N/A	Yes
076SB-0094-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	076SB-0095-0001-SO	27	150	27		N/A	Yes
076SB-0094-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	076SB-0095-0001-SO	27	200	27		N/A	Yes
076SB-0094-0001-SO	4-NITROPHENOL	79	UG/KG	330	79	U	076SB-0095-0001-SO	80	330	80		N/A	Yes
076SB-0094-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	ANTHRACENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	BENZO(A)PYRENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	BENZO(B)FLUORANTHENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	BENZO(K)FLUORANTHENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0094-0001-SO	BENZOIC ACID	330	UG/KG	650	330	U	076SB-0095-0001-SO	330	660	330		N/A	Yes
076SB-0094-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	076SB-0095-0001-SO	27	330	27		N/A	Yes
076SB-0094-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	99	27	U	076SB-0095-0001-SO	27	100	27		N/A	Yes
076SB-0094-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	99	3.3	U	076SB-0095-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0094-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	99	27	U	076SB-0095-0001-SO	27	100	27		N/A	Yes
076SB-0094-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27	UG/KG	50	27	U	076SB-0095-0001-SO	33	50	27	J	N/A	Yes
076SB-0094-0001-SO	CARBAZOLE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	CHRYSENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	CRESOLS, M & P	79	UG/KG	400	79	U	076SB-0095-0001-SO	80	400	80		N/A	Yes
076SB-0094-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	DIBENZOFURAN	3.3	UG/KG	50	3.3	U	076SB-0095-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0094-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	FLUORANTHENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	FLUORENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	076SB-0095-0001-SO	27	330	27		N/A	Yes
076SB-0094-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	ISOPHORONE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	NAPHTHALENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0094-0001-SO	NITROBENZENE	3.3	UG/KG	99	3.3	U	076SB-0095-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0094-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	PENTACHLOROPHENOL	79	UG/KG	150	79	U	076SB-0095-0001-SO	80	150	80		N/A	Yes
076SB-0094-0001-SO	PHENANTHRENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.6	6.7	3.3	J	N/A	Yes
076SB-0094-0001-SO	PHENOL	27	UG/KG	50	27	U	076SB-0095-0001-SO	27	50	27		N/A	Yes
076SB-0094-0001-SO	PYRENE	3.3	UG/KG	6.6	3.3	U	076SB-0095-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0096-0001-SO	ALUMINUM	6600	MG/KG	2.1	0.42		076SB-0097-0001-SO	6600	2.4	0.48		0	N/A
076SB-0096-0001-SO	ANTIMONY	0.11	MG/KG	0.14	0.07	J-	076SB-0097-0001-SO	0.12	0.16	0.081	J	N/A	Yes
076SB-0096-0001-SO	ARSENIC	13	MG/KG	0.07	0.035	J-	076SB-0097-0001-SO	16	0.081	0.04		21	N/A
076SB-0096-0001-SO	BARIUM	29	MG/KG	0.7	0.014	J	076SB-0097-0001-SO	30	0.81	0.016		3	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0096-0001-SO	BERYLLIUM	0.42	MG/KG	0.07	0.007	J-	076SB-0097-0001-SO	0.47	0.081	0.0081		11	N/A
076SB-0096-0001-SO	CADMIUM	0.19	MG/KG	0.07	0.021	J-	076SB-0097-0001-SO	0.2	0.081	0.024		N/A	Yes
076SB-0096-0001-SO	CALCIUM	700	MG/KG	7	1.8	J+	076SB-0097-0001-SO	640	8.1	2		9	N/A
076SB-0096-0001-SO	CHROMIUM	14	MG/KG	0.14	0.028	J-	076SB-0097-0001-SO	15	0.16	0.032		7	N/A
076SB-0096-0001-SO	COBALT	8.3	MG/KG	0.035	0.007	J-	076SB-0097-0001-SO	8.6	0.04	0.0081		4	N/A
076SB-0096-0001-SO	COPPER	17	MG/KG	0.14	0.042	J-	076SB-0097-0001-SO	18	0.16	0.048		6	N/A
076SB-0096-0001-SO	IRON	26000	MG/KG	3.5	1.4		076SB-0097-0001-SO	26000	4	1.6		0	N/A
076SB-0096-0001-SO	LEAD	14	MG/KG	0.07	0.021	J	076SB-0097-0001-SO	14	0.081	0.024		0	N/A
076SB-0096-0001-SO	MAGNESIUM	1900	MG/KG	7	1.4		076SB-0097-0001-SO	1800	8.1	1.6		5	N/A
076SB-0096-0001-SO	MANGANESE	510	MG/KG	0.35	0.021	J	076SB-0097-0001-SO	480	0.4	0.024		6	N/A
076SB-0096-0001-SO	NICKEL	21	MG/KG	0.07	0.021	J-	076SB-0097-0001-SO	22	0.081	0.024		5	N/A
076SB-0096-0001-SO	POTASSIUM	810	MG/KG	7	4.2	J-	076SB-0097-0001-SO	870	8.1	4.8		7	N/A
076SB-0096-0001-SO	SELENIUM	0.32	MG/KG	0.35	0.07	J-	076SB-0097-0001-SO	0.29	0.4	0.081	J	N/A	Yes
076SB-0096-0001-SO	SILVER	0.019	MG/KG	0.07	0.021	J-	076SB-0097-0001-SO	0.019	0.081	0.024	J	N/A	Yes
076SB-0096-0001-SO	SODIUM	20	MG/KG	7	3.5		076SB-0097-0001-SO	22	8.1	4		N/A	Yes
076SB-0096-0001-SO	THALLIUM	0.13	MG/KG	0.07	0.014		076SB-0097-0001-SO	0.13	0.081	0.016		N/A	Yes
076SB-0096-0001-SO	VANADIUM	13	MG/KG	0.07	0.042		076SB-0097-0001-SO	13	0.081	0.048		0	N/A
076SB-0096-0001-SO	ZINC	62	MG/KG	0.35	0.14	J	076SB-0097-0001-SO	70	0.4	0.16		12	N/A
076SB-0096-0001-SO	MERCURY	0.031	MG/KG	0.098	0.032	J	076SB-0097-0001-SO	0.026	0.09	0.03	J	N/A	Yes
076SB-0096-0001-SO	1,1,1-TRICHLOROETHANE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	1,1,2-TRICHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	1,1-DICHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	1,1-DICHLOROETHENE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	1,2-DIBROMOETHANE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	1,2-DICHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	1,2-DICHLOROPROPANE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	2-HEXANONE	0.93	UG/KG	19	0.93		076SB-0097-0001-SO	0.89	18	0.89		N/A	Yes
076SB-0096-0001-SO	ACETONE	5.9	UG/KG	19	5.9		076SB-0097-0001-SO	5.6	18	5.6		N/A	Yes
076SB-0096-0001-SO	BENZENE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	BROMOCHLOROMETHANE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	BROMODICHLOROMETHANE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	BROMOFORM	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	BROMOMETHANE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	CARBON DISULFIDE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	CARBON TETRACHLORIDE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0096-0001-SO	CHLOROBENZENE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	CHLOROETHANE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	CHLOROFORM	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	CHLOROMETHANE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	CIS-1,3-DICHLOROPROPENE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	DIBROMOCHLOROMETHANE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	ETHYLBENZENE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	METHYL ETHYL KETONE	1.9	UG/KG	19	1.9		076SB-0097-0001-SO	1.8	18	1.8		N/A	Yes
076SB-0096-0001-SO	METHYL ISOBUTYL KETONE	0.93	UG/KG	19	0.93		076SB-0097-0001-SO	0.89	18	0.89		N/A	Yes
076SB-0096-0001-SO	METHYLENE CHLORIDE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	STYRENE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	TETRACHLOROETHYLENE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	TOLUENE	0.94	UG/KG	4.7	0.47	J	076SB-0097-0001-SO	0.73	4.4	0.44	J	N/A	Yes
076SB-0096-0001-SO	TOTAL 1,2-DICHLOROETHENE	0.93	UG/KG	9.3	0.93		076SB-0097-0001-SO	0.89	8.9	0.89		N/A	Yes
076SB-0096-0001-SO	TRANS-1,3-DICHLOROPROPENE	0.93	UG/KG	4.7	0.93		076SB-0097-0001-SO	0.89	4.4	0.89		N/A	Yes
076SB-0096-0001-SO	TRICHLOROETHYLENE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	VINYL CHLORIDE	0.47	UG/KG	4.7	0.47		076SB-0097-0001-SO	0.44	4.4	0.44		N/A	Yes
076SB-0096-0001-SO	XYLENES, TOTAL	1.4	UG/KG	9.3	1.4		076SB-0097-0001-SO	1.3	8.9	1.3		N/A	Yes
076SB-0096-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	076SB-0097-0001-SO	27	150	27		N/A	Yes
076SB-0096-0001-SO	2,4,6-TRICHLOROPHENOL	80	UG/KG	150	80	U	076SB-0097-0001-SO	80	150	80		N/A	Yes
076SB-0096-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	076SB-0097-0001-SO	27	150	27		N/A	Yes
076SB-0096-0001-SO	2,4-DIMETHYLPHENOL	80	UG/KG	150	80	U	076SB-0097-0001-SO	80	150	80		N/A	Yes
076SB-0096-0001-SO	2,4-DINITROPHENOL	80	UG/KG	330	80	U	076SB-0097-0001-SO	80	330	80		N/A	Yes
076SB-0096-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	076SB-0097-0001-SO	27	200	27		N/A	Yes
076SB-0096-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	076SB-0097-0001-SO	27	200	27		N/A	Yes
076SB-0096-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	076SB-0097-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0096-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	2-METHYLNAPHTHALENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	2-METHYLPHENOL	80	UG/KG	200	80	U	076SB-0097-0001-SO	80	200	80		N/A	Yes
076SB-0096-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	076SB-0097-0001-SO	27	200	27		N/A	Yes
076SB-0096-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	3,3'-DICHLOROBENZIDINE	80	UG/KG	100	80	U	076SB-0097-0001-SO	80	99	80		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0096-0001-SO	3-NITROANILINE	80	UG/KG	200	80	U	076SB-0097-0001-SO	80	200	80		N/A	Yes
076SB-0096-0001-SO	4,6-DINITRO-2-METHYLPHENOL	80	UG/KG	150	80	U	076SB-0097-0001-SO	80	150	80		N/A	Yes
076SB-0096-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	076SB-0097-0001-SO	27	150	27		N/A	Yes
076SB-0096-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	076SB-0097-0001-SO	27	150	27		N/A	Yes
076SB-0096-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	076SB-0097-0001-SO	27	200	27		N/A	Yes
076SB-0096-0001-SO	4-NITROPHENOL	80	UG/KG	330	80	U	076SB-0097-0001-SO	80	330	80		N/A	Yes
076SB-0096-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	ANTHRACENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	BENZO(A)PYRENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	BENZO(B)FLUORANTHENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	BENZO(K)FLUORANTHENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	BENZOIC ACID	330	UG/KG	660	330	U	076SB-0097-0001-SO	330	660	330		N/A	Yes
076SB-0096-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	076SB-0097-0001-SO	27	330	27		N/A	Yes
076SB-0096-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27	U	076SB-0097-0001-SO	27	99	27		N/A	Yes
076SB-0096-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3	U	076SB-0097-0001-SO	3.3	99	3.3		N/A	Yes
076SB-0096-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	100	27	U	076SB-0097-0001-SO	27	99	27		N/A	Yes
076SB-0096-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27	UG/KG	50	27	U	076SB-0097-0001-SO	26	50	27	J	N/A	Yes
076SB-0096-0001-SO	CARBAZOLE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	CHRYSENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	CRESOLS, M & P	80	UG/KG	400	80	U	076SB-0097-0001-SO	80	400	80		N/A	Yes
076SB-0096-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	DIBENZOFURAN	3.3	UG/KG	50	3.3	U	076SB-0097-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0096-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	FLUORANTHENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	FLUORENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0096-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	076SB-0097-0001-SO	27	330	27		N/A	Yes
076SB-0096-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	ISOPHORONE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	NAPHTHALENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3	U	076SB-0097-0001-SO	3.3	99	3.3		N/A	Yes
076SB-0096-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	PENTACHLOROPHENOL	80	UG/KG	150	80	U	076SB-0097-0001-SO	80	150	80		N/A	Yes
076SB-0096-0001-SO	PHENANTHRENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0096-0001-SO	PHENOL	27	UG/KG	50	27	U	076SB-0097-0001-SO	27	50	27		N/A	Yes
076SB-0096-0001-SO	PYRENE	3.3	UG/KG	6.7	3.3	U	076SB-0097-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	NITROCELLULOSE	9.3	MG/KG	46	17	J	076SB-0103M-0001-SO	9.5	49	18	J	N/A	Yes
076SB-0102M-0001-SO	ALUMINUM	7900	MG/KG	2.3	0.45		076SB-0103M-0001-SO	7800	2	0.41		1	N/A
076SB-0102M-0001-SO	ANTIMONY	0.12	MG/KG	0.15	0.076	J-	076SB-0103M-0001-SO	0.1	0.14	0.068	J	N/A	Yes
076SB-0102M-0001-SO	ARSENIC	15	MG/KG	0.076	0.038	J-	076SB-0103M-0001-SO	14	0.068	0.034		7	N/A
076SB-0102M-0001-SO	BARIUM	34	MG/KG	0.76	0.015	J	076SB-0103M-0001-SO	32	0.68	0.014		6	N/A
076SB-0102M-0001-SO	BERYLLIUM	0.53	MG/KG	0.076	0.0076	J-	076SB-0103M-0001-SO	0.46	0.068	0.0068		14	N/A
076SB-0102M-0001-SO	CADMIUM	0.19	MG/KG	0.076	0.023	J-	076SB-0103M-0001-SO	0.16	0.068	0.02		N/A	Yes
076SB-0102M-0001-SO	CALCIUM	680	MG/KG	7.6	1.9	J+	076SB-0103M-0001-SO	640	6.8	1.7		6	N/A
076SB-0102M-0001-SO	CHROMIUM	22	MG/KG	0.15	0.03	J-	076SB-0103M-0001-SO	16	0.14	0.027		32	N/A
076SB-0102M-0001-SO	COBALT	9.2	MG/KG	0.038	0.0076	J-	076SB-0103M-0001-SO	9	0.034	0.0068		2	N/A
076SB-0102M-0001-SO	COPPER	16	MG/KG	0.15	0.045	J-	076SB-0103M-0001-SO	15	0.14	0.041		6	N/A
076SB-0102M-0001-SO	IRON	27000	MG/KG	3.8	1.5		076SB-0103M-0001-SO	22000	3.4	1.4		20	N/A
076SB-0102M-0001-SO	LEAD	15	MG/KG	0.076	0.023	J	076SB-0103M-0001-SO	13	0.068	0.02		14	N/A
076SB-0102M-0001-SO	MAGNESIUM	2000	MG/KG	7.6	1.5		076SB-0103M-0001-SO	2000	6.8	1.4		0	N/A
076SB-0102M-0001-SO	MANGANESE	430	MG/KG	0.38	0.023	J	076SB-0103M-0001-SO	350	0.34	0.02		21	N/A
076SB-0102M-0001-SO	NICKEL	23	MG/KG	0.076	0.023	J-	076SB-0103M-0001-SO	19	0.068	0.02		19	N/A
076SB-0102M-0001-SO	POTASSIUM	840	MG/KG	7.6	4.5	J-	076SB-0103M-0001-SO	850	6.8	4.1		1	N/A
076SB-0102M-0001-SO	SELENIUM	0.29	MG/KG	0.38	0.076	J-	076SB-0103M-0001-SO	0.24	0.34	0.068	J	N/A	Yes
076SB-0102M-0001-SO	SILVER	0.02	MG/KG	0.076	0.023	J-	076SB-0103M-0001-SO	0.021	0.068	0.02	J	N/A	Yes
076SB-0102M-0001-SO	SODIUM	28	MG/KG	7.6	3.8		076SB-0103M-0001-SO	26	6.8	3.4		N/A	Yes
076SB-0102M-0001-SO	THALLIUM	0.13	MG/KG	0.076	0.015		076SB-0103M-0001-SO	0.12	0.068	0.014		N/A	Yes
076SB-0102M-0001-SO	VANADIUM	15	MG/KG	0.076	0.045		076SB-0103M-0001-SO	13	0.068	0.041		14	N/A
076SB-0102M-0001-SO	ZINC	75	MG/KG	0.38	0.15	J	076SB-0103M-0001-SO	59	0.34	0.14		24	N/A
076SB-0102M-0001-SO	MERCURY	0.03	MG/KG	0.092	0.03	J	076SB-0103M-0001-SO	0.031	0.1	0.034	J	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0102M-0001-SO	AROCLOR 1016	25	UG/KG	65	25	U	076SB-0103M-0001-SO	25	65	25		N/A	Yes
076SB-0102M-0001-SO	AROCLOR 1221	25	UG/KG	50	25	U	076SB-0103M-0001-SO	25	50	25		N/A	Yes
076SB-0102M-0001-SO	AROCLOR 1232	25	UG/KG	45	25	U	076SB-0103M-0001-SO	25	45	25		N/A	Yes
076SB-0102M-0001-SO	AROCLOR 1242	25	UG/KG	40	25	U	076SB-0103M-0001-SO	25	40	25		N/A	Yes
076SB-0102M-0001-SO	AROCLOR 1248	25	UG/KG	55	25	U	076SB-0103M-0001-SO	25	55	25		N/A	Yes
076SB-0102M-0001-SO	AROCLOR 1254	25	UG/KG	55	25	U	076SB-0103M-0001-SO	25	55	25		N/A	Yes
076SB-0102M-0001-SO	AROCLOR 1260	25	UG/KG	55	25	U	076SB-0103M-0001-SO	25	55	25		N/A	Yes
076SB-0102M-0001-SO	1,1,1-TRICHLOROETHANE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	1,1,2-TRICHLOROETHANE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	1,1-DICHLOROETHANE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	1,1-DICHLOROETHENE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	1,2-DIBROMOETHANE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	1,2-DICHLOROETHANE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	1,2-DICHLOROPROPANE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	2-HEXANONE	1.1	UG/KG	22	1.1	UJ	076SB-0103M-0001-SO	1.9	22	1.1	J	N/A	Yes
076SB-0102M-0001-SO	ACETONE	7	UG/KG	22	7	U	076SB-0103M-0001-SO	6.8	22	6.8		N/A	Yes
076SB-0102M-0001-SO	BENZENE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	BROMOCHLOROMETHANE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	BROMODICHLOROMETHANE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	BROMOFORM	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	BROMOMETHANE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	CARBON DISULFIDE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	CARBON TETRACHLORIDE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	CHLOROBENZENE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	CHLOROETHANE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	CHLOROFORM	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	CHLOROMETHANE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	DIBROMOCHLOROMETHANE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	ETHYLBENZENE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	METHYL ETHYL KETONE	2.2	UG/KG	22	2.2	U	076SB-0103M-0001-SO	2.2	22	2.2		N/A	Yes
076SB-0102M-0001-SO	METHYL ISOBUTYL KETONE	1.1	UG/KG	22	1.1	UJ	076SB-0103M-0001-SO	1.3	22	1.1	J	N/A	Yes
076SB-0102M-0001-SO	METHYLENE CHLORIDE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	STYRENE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	TETRACHLOROETHYLENE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0102M-0001-SO	TOLUENE	1.7	UG/KG	5.6	0.56	J	076SB-0103M-0001-SO	1.5	5.4	0.54	J	N/A	Yes
076SB-0102M-0001-SO	TOTAL 1,2-DICHLOROETHENE	1.1	UG/KG	11	1.1	U	076SB-0103M-0001-SO	1.1	11	1.1		N/A	Yes
076SB-0102M-0001-SO	TRANS-1,3-DICHLOROPROPENE	1.1	UG/KG	5.6	1.1	U	076SB-0103M-0001-SO	1.1	5.4	1.1		N/A	Yes
076SB-0102M-0001-SO	TRICHLOROETHYLENE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	VINYL CHLORIDE	0.56	UG/KG	5.6	0.56	U	076SB-0103M-0001-SO	0.54	5.4	0.54		N/A	Yes
076SB-0102M-0001-SO	XYLENES, TOTAL	1.7	UG/KG	11	1.7	U	076SB-0103M-0001-SO	1.6	11	1.6		N/A	Yes
076SB-0102M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	076SB-0103M-0001-SO	27	150	27		N/A	Yes
076SB-0102M-0001-SO	2,4,6-TRICHLOROPHENOL	81	UG/KG	150	81	U	076SB-0103M-0001-SO	80	150	80		N/A	Yes
076SB-0102M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	076SB-0103M-0001-SO	27	150	27		N/A	Yes
076SB-0102M-0001-SO	2,4-DIMETHYLPHENOL	81	UG/KG	150	81	U	076SB-0103M-0001-SO	80	150	80		N/A	Yes
076SB-0102M-0001-SO	2,4-DINITROPHENOL	81	UG/KG	330	81	U	076SB-0103M-0001-SO	80	330	80		N/A	Yes
076SB-0102M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	076SB-0103M-0001-SO	27	200	27		N/A	Yes
076SB-0102M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	076SB-0103M-0001-SO	27	200	27		N/A	Yes
076SB-0102M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	076SB-0103M-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0102M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	2-METHYLNAPHTHALENE	4.9	UG/KG	6.7	3.3	J	076SB-0103M-0001-SO	3.7	6.6	3.3	J	N/A	Yes
076SB-0102M-0001-SO	2-METHYLPHENOL	81	UG/KG	200	81	U	076SB-0103M-0001-SO	80	200	80		N/A	Yes
076SB-0102M-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	076SB-0103M-0001-SO	27	200	27		N/A	Yes
076SB-0102M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	3,3'-DICHLOROBENZIDINE	81	UG/KG	100	81	U	076SB-0103M-0001-SO	80	100	80		N/A	Yes
076SB-0102M-0001-SO	3-NITROANILINE	81	UG/KG	200	81	U	076SB-0103M-0001-SO	80	200	80		N/A	Yes
076SB-0102M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	81	UG/KG	150	81	U	076SB-0103M-0001-SO	80	150	80		N/A	Yes
076SB-0102M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	076SB-0103M-0001-SO	27	150	27		N/A	Yes
076SB-0102M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	076SB-0103M-0001-SO	27	150	27		N/A	Yes
076SB-0102M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	076SB-0103M-0001-SO	27	200	27		N/A	Yes
076SB-0102M-0001-SO	4-NITROPHENOL	81	UG/KG	330	81	U	076SB-0103M-0001-SO	80	330	80		N/A	Yes
076SB-0102M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	ANTHRACENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0102M-0001-SO	BENZO(A)PYRENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	BENZO(B)FLUORANTHENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	BENZO(K)FLUORANTHENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	BENZOIC ACID	340	UG/KG	670	340	U	076SB-0103M-0001-SO	330	660	330		N/A	Yes
076SB-0102M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	076SB-0103M-0001-SO	27	330	27		N/A	Yes
076SB-0102M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27	U	076SB-0103M-0001-SO	27	100	27		N/A	Yes
076SB-0102M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3	U	076SB-0103M-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0102M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	100	27	U	076SB-0103M-0001-SO	27	100	27		N/A	Yes
076SB-0102M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	20	50	27	J	N/A	Yes
076SB-0102M-0001-SO	CARBAZOLE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	CHRYSENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	CRESOLS, M & P	81	UG/KG	400	81	U	076SB-0103M-0001-SO	80	400	80		N/A	Yes
076SB-0102M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	DIBENZOFURAN	3.3	UG/KG	50	3.3	U	076SB-0103M-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0102M-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	FLUORANTHENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	FLUORENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	076SB-0103M-0001-SO	27	330	27		N/A	Yes
076SB-0102M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0102M-0001-SO	ISOPHORONE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	NAPHTHALENE	4.8	UG/KG	6.7	3.3	J	076SB-0103M-0001-SO	4.7	6.6	3.3	J	N/A	Yes
076SB-0102M-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3	U	076SB-0103M-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0102M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	R	076SB-0103M-0001-SO	27	50	27		N/A	N/A
076SB-0102M-0001-SO	PENTACHLOROPHENOL	81	UG/KG	150	81	U	076SB-0103M-0001-SO	80	150	80		N/A	Yes
076SB-0102M-0001-SO	PHENANTHRENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.7	6.6	3.3	J	N/A	Yes
076SB-0102M-0001-SO	PHENOL	27	UG/KG	50	27	U	076SB-0103M-0001-SO	27	50	27		N/A	Yes
076SB-0102M-0001-SO	PYRENE	3.3	UG/KG	6.7	3.3	U	076SB-0103M-0001-SO	3.3	6.6	3.3		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0102M-0001-SO	1,3,5-TRINITROBENZENE	0.05	MG/KG	0.25	0.05	U	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	1,3-DINITROBENZENE	0.05	MG/KG	0.25	0.05	U	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	2,4,6-TRINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	2,4-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	R	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	N/A
076SB-0102M-0001-SO	2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	R	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	N/A
076SB-0102M-0001-SO	2-AMINO-4,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	2-NITROTOLUENE	0.05	MG/KG	0.25	0.05	UJ	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	3-NITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	4-AMINO-2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	4-NITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	HMX	0.05	MG/KG	0.25	0.05	U	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	NITROBENZENE	0.05	MG/KG	0.25	0.05	R	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	N/A
076SB-0102M-0001-SO	NITROGLYCERIN	0.25	MG/KG	0.5	0.25	U	076SB-0103M-0001-SO	0.25	0.5	0.25		N/A	Yes
076SB-0102M-0001-SO	NITROGUANIDINE	0.039	MG/KG	0.24	0.039	U	076SB-0103M-0001-SO	0.04	0.25	0.04		N/A	Yes
076SB-0102M-0001-SO	PETN	0.25	MG/KG	0.5	0.25	U	076SB-0103M-0001-SO	0.25	0.5	0.25		N/A	Yes
076SB-0102M-0001-SO	RDX	0.05	MG/KG	0.25	0.05	UJ	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0102M-0001-SO	TETRYL	0.05	MG/KG	0.25	0.05	U	076SB-0103M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	NITROCELLULOSE	9.2	MG/KG	49	18	J	076SB-0105M-0001-SO	9	50	18	J	N/A	Yes
076SB-0104M-0001-SO	ALUMINUM	11000	MG/KG	2.5	0.51		076SB-0105M-0001-SO	11000	2.3	0.46		0	N/A
076SB-0104M-0001-SO	ANTIMONY	0.085	MG/KG	0.17	0.085	J	076SB-0105M-0001-SO	0.086	0.15	0.077	J	N/A	Yes
076SB-0104M-0001-SO	ARSENIC	14	MG/KG	0.085	0.042		076SB-0105M-0001-SO	14	0.077	0.038		0	N/A
076SB-0104M-0001-SO	BARIUM	52	MG/KG	0.85	0.017		076SB-0105M-0001-SO	50	0.77	0.015		4	N/A
076SB-0104M-0001-SO	BERYLLIUM	0.63	MG/KG	0.085	0.0085		076SB-0105M-0001-SO	0.65	0.077	0.0077		3	N/A
076SB-0104M-0001-SO	CADMIUM	0.17	MG/KG	0.085	0.025		076SB-0105M-0001-SO	0.17	0.077	0.023		N/A	Yes
076SB-0104M-0001-SO	CALCIUM	1100	MG/KG	8.5	2.1		076SB-0105M-0001-SO	1000	7.7	1.9		10	N/A
076SB-0104M-0001-SO	CHROMIUM	16	MG/KG	0.17	0.034		076SB-0105M-0001-SO	17	0.15	0.031		6	N/A
076SB-0104M-0001-SO	COBALT	9.5	MG/KG	0.042	0.0085		076SB-0105M-0001-SO	10	0.038	0.0077		5	N/A
076SB-0104M-0001-SO	COPPER	15	MG/KG	0.17	0.051		076SB-0105M-0001-SO	15	0.15	0.046		0	N/A
076SB-0104M-0001-SO	IRON	27000	MG/KG	4.2	1.7		076SB-0105M-0001-SO	27000	3.8	1.5		0	N/A
076SB-0104M-0001-SO	LEAD	11	MG/KG	0.085	0.025		076SB-0105M-0001-SO	11	0.077	0.023		0	N/A
076SB-0104M-0001-SO	MAGNESIUM	3300	MG/KG	8.5	1.7		076SB-0105M-0001-SO	3300	7.7	1.5		0	N/A
076SB-0104M-0001-SO	MANGANESE	280	MG/KG	0.42	0.025		076SB-0105M-0001-SO	320	0.38	0.023		13	N/A
076SB-0104M-0001-SO	NICKEL	24	MG/KG	0.085	0.025		076SB-0105M-0001-SO	24	0.077	0.023		0	N/A
076SB-0104M-0001-SO	POTASSIUM	1000	MG/KG	8.5	5.1		076SB-0105M-0001-SO	1100	7.7	4.6		10	N/A
076SB-0104M-0001-SO	SELENIUM	0.34	MG/KG	0.42	0.085	J	076SB-0105M-0001-SO	0.32	0.38	0.077	J	N/A	Yes
076SB-0104M-0001-SO	SILVER	0.027	MG/KG	0.085	0.025	J	076SB-0105M-0001-SO	0.025	0.077	0.023	J	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0104M-0001-SO	SODIUM	44	MG/KG	8.5	4.2		076SB-0105M-0001-SO	47	7.7	3.8		7	N/A
076SB-0104M-0001-SO	THALLIUM	0.14	MG/KG	0.085	0.017		076SB-0105M-0001-SO	0.14	0.077	0.015		N/A	Yes
076SB-0104M-0001-SO	VANADIUM	17	MG/KG	0.085	0.051		076SB-0105M-0001-SO	18	0.077	0.046		6	N/A
076SB-0104M-0001-SO	ZINC	54	MG/KG	0.42	0.17		076SB-0105M-0001-SO	55	0.38	0.15		2	N/A
076SB-0104M-0001-SO	MERCURY	0.03	MG/KG	0.097	0.032	J	076SB-0105M-0001-SO	0.03	0.09	0.03	J	N/A	Yes
076SB-0104M-0001-SO	AROCLOR 1016	25	UG/KG	66	25		076SB-0105M-0001-SO	25	66	25		N/A	Yes
076SB-0104M-0001-SO	AROCLOR 1221	25	UG/KG	51	25		076SB-0105M-0001-SO	25	51	25		N/A	Yes
076SB-0104M-0001-SO	AROCLOR 1232	25	UG/KG	46	25		076SB-0105M-0001-SO	25	46	25		N/A	Yes
076SB-0104M-0001-SO	AROCLOR 1242	25	UG/KG	40	25		076SB-0105M-0001-SO	25	40	25		N/A	Yes
076SB-0104M-0001-SO	AROCLOR 1248	25	UG/KG	56	25		076SB-0105M-0001-SO	25	56	25		N/A	Yes
076SB-0104M-0001-SO	AROCLOR 1254	25	UG/KG	56	25		076SB-0105M-0001-SO	25	56	25		N/A	Yes
076SB-0104M-0001-SO	AROCLOR 1260	25	UG/KG	56	25		076SB-0105M-0001-SO	25	56	25		N/A	Yes
076SB-0104M-0001-SO	1,1,1-TRICHLOROETHANE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	1,1,2-TRICHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	1,1-DICHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	1,1-DICHLOROETHENE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	1,2-DIBROMOETHANE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	1,2-DICHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	1,2-DICHLOROPROPANE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	2-HEXANONE	0.95	UG/KG	19	0.95		076SB-0105M-0001-SO	1.2	23	1.2		N/A	Yes
076SB-0104M-0001-SO	ACETONE	6	UG/KG	19	6		076SB-0105M-0001-SO	7.2	23	7.2		N/A	Yes
076SB-0104M-0001-SO	BENZENE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	BROMOCHLOROMETHANE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	BROMODICHLOROMETHANE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	BROMOFORM	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	BROMOMETHANE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	CARBON DISULFIDE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	CARBON TETRACHLORIDE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	CHLOROBENZENE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	CHLOROETHANE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	CHLOROFORM	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	CHLOROMETHANE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	DIBROMOCHLOROMETHANE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	ETHYLBENZENE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0104M-0001-SO	METHYL ETHYL KETONE	1.9	UG/KG	19	1.9		076SB-0105M-0001-SO	2.3	23	2.3		N/A	Yes
076SB-0104M-0001-SO	METHYL ISOBUTYL KETONE	0.95	UG/KG	19	0.95		076SB-0105M-0001-SO	1.2	23	1.2		N/A	Yes
076SB-0104M-0001-SO	METHYLENE CHLORIDE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	2.5	5.8	1.2	J	N/A	Yes
076SB-0104M-0001-SO	STYRENE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	TETRACHLOROETHYLENE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	TOLUENE	1.4	UG/KG	4.7	0.47	J	076SB-0105M-0001-SO	1.5	5.8	0.58	J	N/A	Yes
076SB-0104M-0001-SO	TOTAL 1,2-DICHLOROETHENE	0.95	UG/KG	9.5	0.95		076SB-0105M-0001-SO	1.2	12	1.2		N/A	Yes
076SB-0104M-0001-SO	TRANS-1,3-DICHLOROPROPENE	0.95	UG/KG	4.7	0.95		076SB-0105M-0001-SO	1.2	5.8	1.2		N/A	Yes
076SB-0104M-0001-SO	TRICHLOROETHYLENE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	VINYL CHLORIDE	0.47	UG/KG	4.7	0.47		076SB-0105M-0001-SO	0.58	5.8	0.58		N/A	Yes
076SB-0104M-0001-SO	XYLENES, TOTAL	1.4	UG/KG	9.5	1.4		076SB-0105M-0001-SO	1.7	12	1.7		N/A	Yes
076SB-0104M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27		076SB-0105M-0001-SO	27	150	27		N/A	Yes
076SB-0104M-0001-SO	2,4,6-TRICHLOROPHENOL	80	UG/KG	150	80		076SB-0105M-0001-SO	79	150	79		N/A	Yes
076SB-0104M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27		076SB-0105M-0001-SO	27	150	27		N/A	Yes
076SB-0104M-0001-SO	2,4-DIMETHYLPHENOL	80	UG/KG	150	80		076SB-0105M-0001-SO	79	150	79		N/A	Yes
076SB-0104M-0001-SO	2,4-DINITROPHENOL	80	UG/KG	330	80		076SB-0105M-0001-SO	79	330	79		N/A	Yes
076SB-0104M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27		076SB-0105M-0001-SO	27	200	27		N/A	Yes
076SB-0104M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27		076SB-0105M-0001-SO	27	200	27		N/A	Yes
076SB-0104M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3		076SB-0105M-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0104M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	2-METHYLNAPHTHALENE	4.2	UG/KG	6.7	3.3	J	076SB-0105M-0001-SO	4.7	6.6	3.3	J	N/A	Yes
076SB-0104M-0001-SO	2-METHYLPHENOL	80	UG/KG	200	80		076SB-0105M-0001-SO	79	200	79		N/A	Yes
076SB-0104M-0001-SO	2-NITROANILINE	27	UG/KG	200	27		076SB-0105M-0001-SO	27	200	27		N/A	Yes
076SB-0104M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	3,3'-DICHLOROBENZIDINE	80	UG/KG	100	80		076SB-0105M-0001-SO	79	99	79		N/A	Yes
076SB-0104M-0001-SO	3-NITROANILINE	80	UG/KG	200	80		076SB-0105M-0001-SO	79	200	79		N/A	Yes
076SB-0104M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	80	UG/KG	150	80		076SB-0105M-0001-SO	79	150	79		N/A	Yes
076SB-0104M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27		076SB-0105M-0001-SO	27	150	27		N/A	Yes
076SB-0104M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27		076SB-0105M-0001-SO	27	150	27		N/A	Yes
076SB-0104M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	4-NITROANILINE	27	UG/KG	200	27		076SB-0105M-0001-SO	27	200	27		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0104M-0001-SO	4-NITROPHENOL	80	UG/KG	330	80		076SB-0105M-0001-SO	79	330	79		N/A	Yes
076SB-0104M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	ANTHRACENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	BENZO(A)PYRENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	BENZO(B)FLUORANTHENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	BENZO(K)FLUORANTHENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	BENZOIC ACID	330	UG/KG	660	330		076SB-0105M-0001-SO	330	650	330		N/A	Yes
076SB-0104M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27		076SB-0105M-0001-SO	27	330	27		N/A	Yes
076SB-0104M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27		076SB-0105M-0001-SO	27	99	27		N/A	Yes
076SB-0104M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3		076SB-0105M-0001-SO	3.3	99	3.3		N/A	Yes
076SB-0104M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	100	27		076SB-0105M-0001-SO	27	99	27		N/A	Yes
076SB-0104M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	22	UG/KG	50	27	J	076SB-0105M-0001-SO	26	50	27	J	N/A	Yes
076SB-0104M-0001-SO	CARBAZOLE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	CHRYSENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	CRESOLS, M & P	80	UG/KG	400	80		076SB-0105M-0001-SO	79	400	79		N/A	Yes
076SB-0104M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	DIBENZOFURAN	3.3	UG/KG	50	3.3		076SB-0105M-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0104M-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	FLUORANTHENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	FLUORENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27		076SB-0105M-0001-SO	27	330	27		N/A	Yes
076SB-0104M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	ISOPHORONE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	NAPHTHALENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	6.3	6.6	3.3	J	N/A	Yes
076SB-0104M-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3		076SB-0105M-0001-SO	3.3	99	3.3		N/A	Yes
076SB-0104M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0104M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	PENTACHLOROPHENOL	80	UG/KG	150	80		076SB-0105M-0001-SO	79	150	79		N/A	Yes
076SB-0104M-0001-SO	PHENANTHRENE	4.1	UG/KG	6.7	3.3	J	076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	PHENOL	27	UG/KG	50	27		076SB-0105M-0001-SO	27	50	27		N/A	Yes
076SB-0104M-0001-SO	PYRENE	3.3	UG/KG	6.7	3.3		076SB-0105M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0104M-0001-SO	1,3,5-TRINITROBENZENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	1,3-DINITROBENZENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	2,4,6-TRINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	2,4-DINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	2-AMINO-4,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	2-NITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	3-NITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	4-AMINO-2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	4-NITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	HMX	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	NITROBENZENE	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	NITROGLYCERIN	0.25	MG/KG	0.5	0.25		076SB-0105M-0001-SO	0.25	0.5	0.25		N/A	Yes
076SB-0104M-0001-SO	NITROGUANIDINE	0.039	MG/KG	0.25	0.039		076SB-0105M-0001-SO	0.04	0.25	0.04		N/A	Yes
076SB-0104M-0001-SO	PETN	0.25	MG/KG	0.5	0.25		076SB-0105M-0001-SO	0.25	0.5	0.25		N/A	Yes
076SB-0104M-0001-SO	RDX	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0104M-0001-SO	TETRYL	0.05	MG/KG	0.25	0.05		076SB-0105M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	NITROCELLULOSE	8.8	MG/KG	49	18	J	076SB-0107M-0001-SO	9.2	47	17	J	N/A	Yes
076SB-0106M-0001-SO	ALUMINUM	6100	MG/KG	2.4	0.48		076SB-0107M-0001-SO	7500	2.2	0.44		21	N/A
076SB-0106M-0001-SO	ANTIMONY	0.13	MG/KG	0.16	0.079	J	076SB-0107M-0001-SO	0.14	0.15	0.074	J	N/A	Yes
076SB-0106M-0001-SO	ARSENIC	13	MG/KG	0.079	0.04		076SB-0107M-0001-SO	15	0.074	0.037		14	N/A
076SB-0106M-0001-SO	BARIUM	29	MG/KG	0.79	0.016		076SB-0107M-0001-SO	30	0.74	0.015		3	N/A
076SB-0106M-0001-SO	BERYLLIUM	0.42	MG/KG	0.079	0.0079		076SB-0107M-0001-SO	0.45	0.074	0.0074		7	N/A
076SB-0106M-0001-SO	CADMIUM	0.16	MG/KG	0.079	0.024		076SB-0107M-0001-SO	0.15	0.074	0.022		N/A	Yes
076SB-0106M-0001-SO	CALCIUM	1200	MG/KG	7.9	2		076SB-0107M-0001-SO	1100	7.4	1.9		9	N/A
076SB-0106M-0001-SO	CHROMIUM	16	MG/KG	0.16	0.032		076SB-0107M-0001-SO	16	0.15	0.03		0	N/A
076SB-0106M-0001-SO	COBALT	7.9	MG/KG	0.04	0.0079		076SB-0107M-0001-SO	7.9	0.037	0.0074		0	N/A
076SB-0106M-0001-SO	COPPER	16	MG/KG	0.16	0.048		076SB-0107M-0001-SO	17	0.15	0.044		6	N/A
076SB-0106M-0001-SO	IRON	22000	MG/KG	4	1.6		076SB-0107M-0001-SO	22000	3.7	1.5		0	N/A
076SB-0106M-0001-SO	LEAD	15	MG/KG	0.079	0.024		076SB-0107M-0001-SO	12	0.074	0.022		22	N/A
076SB-0106M-0001-SO	MAGNESIUM	1700	MG/KG	7.9	1.6		076SB-0107M-0001-SO	1900	7.4	1.5		11	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0106M-0001-SO	MANGANESE	370	MG/KG	0.4	0.024		076SB-0107M-0001-SO	320	0.37	0.022		14	N/A
076SB-0106M-0001-SO	NICKEL	21	MG/KG	0.079	0.024		076SB-0107M-0001-SO	21	0.074	0.022		0	N/A
076SB-0106M-0001-SO	POTASSIUM	740	MG/KG	7.9	4.8		076SB-0107M-0001-SO	950	7.4	4.4		25	N/A
076SB-0106M-0001-SO	SELENIUM	0.19	MG/KG	0.4	0.079	J	076SB-0107M-0001-SO	0.48	0.37	0.074		N/A	Yes
076SB-0106M-0001-SO	SILVER	0.022	MG/KG	0.079	0.024	J	076SB-0107M-0001-SO	0.02	0.074	0.022	J	N/A	Yes
076SB-0106M-0001-SO	SODIUM	23	MG/KG	7.9	4		076SB-0107M-0001-SO	28	7.4	3.7		N/A	Yes
076SB-0106M-0001-SO	THALLIUM	0.11	MG/KG	0.079	0.016		076SB-0107M-0001-SO	0.14	0.074	0.015		N/A	Yes
076SB-0106M-0001-SO	VANADIUM	11	MG/KG	0.079	0.048		076SB-0107M-0001-SO	13	0.074	0.044		17	N/A
076SB-0106M-0001-SO	ZINC	56	MG/KG	0.4	0.16		076SB-0107M-0001-SO	60	0.37	0.15		7	N/A
076SB-0106M-0001-SO	MERCURY	0.026	MG/KG	0.11	0.037	J	076SB-0107M-0001-SO	0.025	0.09	0.03	J	N/A	Yes
076SB-0106M-0001-SO	AROCLOR 1016	25	UG/KG	65	25		076SB-0107M-0001-SO	25	65	25		N/A	Yes
076SB-0106M-0001-SO	AROCLOR 1221	25	UG/KG	50	25		076SB-0107M-0001-SO	25	50	25		N/A	Yes
076SB-0106M-0001-SO	AROCLOR 1232	25	UG/KG	45	25		076SB-0107M-0001-SO	25	45	25		N/A	Yes
076SB-0106M-0001-SO	AROCLOR 1242	25	UG/KG	40	25		076SB-0107M-0001-SO	25	40	25		N/A	Yes
076SB-0106M-0001-SO	AROCLOR 1248	25	UG/KG	55	25		076SB-0107M-0001-SO	25	55	25		N/A	Yes
076SB-0106M-0001-SO	AROCLOR 1254	25	UG/KG	55	25		076SB-0107M-0001-SO	25	55	25		N/A	Yes
076SB-0106M-0001-SO	AROCLOR 1260	25	UG/KG	55	25		076SB-0107M-0001-SO	25	55	25		N/A	Yes
076SB-0106M-0001-SO	1,1,1-TRICHLOROETHANE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	1,1,2-TRICHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	1,1-DICHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	1,1-DICHLOROETHENE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	1,2-DIBROMOETHANE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	1,2-DICHLOROETHANE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	1,2-DICHLOROPROPANE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	2-HEXANONE	0.94	UG/KG	19	0.94		076SB-0107M-0001-SO	1	21	1		N/A	Yes
076SB-0106M-0001-SO	ACETONE	5.9	UG/KG	19	5.9		076SB-0107M-0001-SO	6.5	21	6.5		N/A	Yes
076SB-0106M-0001-SO	BENZENE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	BROMOCHLOROMETHANE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	BROMODICHLOROMETHANE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	BROMOFORM	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	BROMOMETHANE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	CARBON DISULFIDE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	CARBON TETRACHLORIDE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	CHLOROBENZENE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	CHLOROETHANE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0106M-0001-SO	CHLOROFORM	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	CHLOROMETHANE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	DIBROMOCHLOROMETHANE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	ETHYLBENZENE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	METHYL ETHYL KETONE	1.9	UG/KG	19	1.9		076SB-0107M-0001-SO	2.1	21	2.1		N/A	Yes
076SB-0106M-0001-SO	METHYL ISOBUTYL KETONE	0.94	UG/KG	19	0.94		076SB-0107M-0001-SO	1	21	1		N/A	Yes
076SB-0106M-0001-SO	METHYLENE CHLORIDE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	STYRENE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	TETRACHLOROETHYLENE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	TOLUENE	0.97	UG/KG	4.7	0.47	J	076SB-0107M-0001-SO	1	5.2	0.52	J	N/A	Yes
076SB-0106M-0001-SO	TOTAL 1,2-DICHLOROETHENE	0.94	UG/KG	9.4	0.94		076SB-0107M-0001-SO	1	10	1		N/A	Yes
076SB-0106M-0001-SO	TRANS-1,3-DICHLOROPROPENE	0.94	UG/KG	4.7	0.94		076SB-0107M-0001-SO	1	5.2	1		N/A	Yes
076SB-0106M-0001-SO	TRICHLOROETHYLENE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	VINYL CHLORIDE	0.47	UG/KG	4.7	0.47		076SB-0107M-0001-SO	0.52	5.2	0.52		N/A	Yes
076SB-0106M-0001-SO	XYLENES, TOTAL	1.4	UG/KG	9.4	1.4		076SB-0107M-0001-SO	1.6	10	1.6		N/A	Yes
076SB-0106M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27		076SB-0107M-0001-SO	27	150	27		N/A	Yes
076SB-0106M-0001-SO	2,4,6-TRICHLOROPHENOL	79	UG/KG	150	79		076SB-0107M-0001-SO	80	150	80		N/A	Yes
076SB-0106M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27		076SB-0107M-0001-SO	27	150	27		N/A	Yes
076SB-0106M-0001-SO	2,4-DIMETHYLPHENOL	79	UG/KG	150	79		076SB-0107M-0001-SO	80	150	80		N/A	Yes
076SB-0106M-0001-SO	2,4-DINITROPHENOL	79	UG/KG	330	79		076SB-0107M-0001-SO	80	330	80		N/A	Yes
076SB-0106M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27		076SB-0107M-0001-SO	27	200	27		N/A	Yes
076SB-0106M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27		076SB-0107M-0001-SO	27	200	27		N/A	Yes
076SB-0106M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3		076SB-0107M-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0106M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	2-METHYLNAPHTHALENE	4.2	UG/KG	6.6	3.3	J	076SB-0107M-0001-SO	4.7	6.7	3.3	J	N/A	Yes
076SB-0106M-0001-SO	2-METHYLPHENOL	79	UG/KG	200	79		076SB-0107M-0001-SO	80	200	80		N/A	Yes
076SB-0106M-0001-SO	2-NITROANILINE	27	UG/KG	200	27		076SB-0107M-0001-SO	27	200	27		N/A	Yes
076SB-0106M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	3,3'-DICHLOROBENZIDINE	79	UG/KG	99	79		076SB-0107M-0001-SO	80	100	80		N/A	Yes
076SB-0106M-0001-SO	3-NITROANILINE	79	UG/KG	200	79		076SB-0107M-0001-SO	80	200	80		N/A	Yes
076SB-0106M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	79	UG/KG	150	79		076SB-0107M-0001-SO	80	150	80		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0106M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27		076SB-0107M-0001-SO	27	150	27		N/A	Yes
076SB-0106M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27		076SB-0107M-0001-SO	27	150	27		N/A	Yes
076SB-0106M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	4-NITROANILINE	27	UG/KG	200	27		076SB-0107M-0001-SO	27	200	27		N/A	Yes
076SB-0106M-0001-SO	4-NITROPHENOL	79	UG/KG	330	79		076SB-0107M-0001-SO	80	330	80		N/A	Yes
076SB-0106M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	ANTHRACENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	BENZO(A)PYRENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	BENZO(B)FLUORANTHENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	BENZO(K)FLUORANTHENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	BENZOIC ACID	330	UG/KG	650	330		076SB-0107M-0001-SO	330	660	330		N/A	Yes
076SB-0106M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27		076SB-0107M-0001-SO	27	330	27		N/A	Yes
076SB-0106M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	99	27		076SB-0107M-0001-SO	27	100	27		N/A	Yes
076SB-0106M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	99	3.3		076SB-0107M-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0106M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	99	27		076SB-0107M-0001-SO	27	100	27		N/A	Yes
076SB-0106M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	25	UG/KG	50	27	J	076SB-0107M-0001-SO	25	50	27	J	N/A	Yes
076SB-0106M-0001-SO	CARBAZOLE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	CHRYSENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	CRESOLS, M & P	79	UG/KG	400	79		076SB-0107M-0001-SO	80	400	80		N/A	Yes
076SB-0106M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	DIBENZOFURAN	3.3	UG/KG	50	3.3		076SB-0107M-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0106M-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	FLUORANTHENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	FLUORENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27		076SB-0107M-0001-SO	27	330	27		N/A	Yes
076SB-0106M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0106M-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	ISOPHORONE	33	UG/KG	50	27	J	076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	NAPHTHALENE	4.5	UG/KG	6.6	3.3	J	076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	NITROBENZENE	3.3	UG/KG	99	3.3		076SB-0107M-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0106M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	PENTACHLOROPHENOL	79	UG/KG	150	79		076SB-0107M-0001-SO	80	150	80		N/A	Yes
076SB-0106M-0001-SO	PHENANTHRENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	PHENOL	27	UG/KG	50	27		076SB-0107M-0001-SO	27	50	27		N/A	Yes
076SB-0106M-0001-SO	PYRENE	3.3	UG/KG	6.6	3.3		076SB-0107M-0001-SO	3.3	6.7	3.3		N/A	Yes
076SB-0106M-0001-SO	1,3,5-TRINITROBENZENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	1,3-DINITROBENZENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	2,4,6-TRINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	2,4-DINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	2-AMINO-4,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	2-NITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	3-NITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	4-AMINO-2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	4-NITROTOLUENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	HMX	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	NITROBENZENE	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	NITROGLYCERIN	0.25	MG/KG	0.5	0.25		076SB-0107M-0001-SO	0.25	0.5	0.25		N/A	Yes
076SB-0106M-0001-SO	NITROGUANIDINE	0.039	MG/KG	0.25	0.039		076SB-0107M-0001-SO	0.039	0.24	0.039		N/A	Yes
076SB-0106M-0001-SO	PETN	0.25	MG/KG	0.5	0.25		076SB-0107M-0001-SO	0.25	0.5	0.25		N/A	Yes
076SB-0106M-0001-SO	RDX	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0106M-0001-SO	TETRYL	0.05	MG/KG	0.25	0.05		076SB-0107M-0001-SO	0.05	0.25	0.05		N/A	Yes
076SB-0110M-0001-SO	ALUMINUM	8100	MG/KG	2.6	0.52		076SB-0111M-0001-SO	6700	2.6	0.53		19	N/A
076SB-0110M-0001-SO	ANTIMONY	0.082	MG/KG	0.17	0.086	J	076SB-0111M-0001-SO	0.082	0.18	0.088	J	N/A	Yes
076SB-0110M-0001-SO	ARSENIC	15	MG/KG	0.086	0.043		076SB-0111M-0001-SO	14	0.088	0.044		7	N/A
076SB-0110M-0001-SO	BARIUM	38	MG/KG	0.86	0.017		076SB-0111M-0001-SO	32	0.88	0.018		17	N/A
076SB-0110M-0001-SO	BERYLLIUM	0.43	MG/KG	0.086	0.0086		076SB-0111M-0001-SO	0.38	0.088	0.0088		N/A	Yes
076SB-0110M-0001-SO	CADMIUM	0.16	MG/KG	0.086	0.026		076SB-0111M-0001-SO	0.15	0.088	0.026		N/A	Yes
076SB-0110M-0001-SO	CALCIUM	2900	MG/KG	8.6	2.2		076SB-0111M-0001-SO	3300	8.8	2.2		13	N/A
076SB-0110M-0001-SO	CHROMIUM	17	MG/KG	0.17	0.034		076SB-0111M-0001-SO	14	0.18	0.035		19	N/A
076SB-0110M-0001-SO	COBALT	8.8	MG/KG	0.043	0.0086		076SB-0111M-0001-SO	7.4	0.044	0.0088		17	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0110M-0001-SO	COPPER	17	MG/KG	0.17	0.052		076SB-0111M-0001-SO	14	0.18	0.053		19	N/A
076SB-0110M-0001-SO	IRON	22000	MG/KG	4.3	1.7		076SB-0111M-0001-SO	21000	4.4	1.8		5	N/A
076SB-0110M-0001-SO	LEAD	11	MG/KG	0.086	0.026		076SB-0111M-0001-SO	9.8	0.088	0.026		12	N/A
076SB-0110M-0001-SO	MAGNESIUM	2500	MG/KG	8.6	1.7		076SB-0111M-0001-SO	2100	8.8	1.8		17	N/A
076SB-0110M-0001-SO	MANGANESE	400	MG/KG	0.43	0.026		076SB-0111M-0001-SO	350	0.44	0.026		13	N/A
076SB-0110M-0001-SO	NICKEL	21	MG/KG	0.086	0.026		076SB-0111M-0001-SO	18	0.088	0.026		15	N/A
076SB-0110M-0001-SO	POTASSIUM	870	MG/KG	8.6	5.2		076SB-0111M-0001-SO	700	8.8	5.3		22	N/A
076SB-0110M-0001-SO	SELENIUM	0.42	MG/KG	0.43	0.086	J	076SB-0111M-0001-SO	0.71	0.44	0.088		N/A	Yes
076SB-0110M-0001-SO	SILVER	0.021	MG/KG	0.086	0.026	J	076SB-0111M-0001-SO	0.022	0.088	0.026	J	N/A	Yes
076SB-0110M-0001-SO	SODIUM	35	MG/KG	8.6	4.3		076SB-0111M-0001-SO	37	8.8	4.4		N/A	Yes
076SB-0110M-0001-SO	THALLIUM	0.11	MG/KG	0.086	0.017		076SB-0111M-0001-SO	0.093	0.088	0.018		N/A	Yes
076SB-0110M-0001-SO	VANADIUM	14	MG/KG	0.086	0.052		076SB-0111M-0001-SO	12	0.088	0.053		15	N/A
076SB-0110M-0001-SO	ZINC	52	MG/KG	0.43	0.17		076SB-0111M-0001-SO	40	0.44	0.18		26	N/A
076SB-0110M-0001-SO	MERCURY	0.023	MG/KG	0.097	0.032	J	076SB-0111M-0001-SO	0.022	0.091	0.03	J	N/A	Yes
076SB-0110M-0001-SO	1,1,1-TRICHLOROETHANE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	1,1,2-TRICHLOROETHANE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	1,1-DICHLOROETHANE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	1,1-DICHLOROETHENE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	1,2-DIBROMOETHANE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	1,2-DICHLOROETHANE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	1,2-DICHLOROPROPANE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	2-HEXANONE	1	UG/KG	20	1		076SB-0111M-0001-SO	0.93	19	0.93		N/A	Yes
076SB-0110M-0001-SO	ACETONE	30	UG/KG	20	6.3		076SB-0111M-0001-SO	30	19	5.9		N/A	Yes
076SB-0110M-0001-SO	BENZENE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	BROMOCHLOROMETHANE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	BROMODICHLOROMETHANE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	BROMOFORM	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	BROMOMETHANE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	CARBON DISULFIDE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	CARBON TETRACHLORIDE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	CHLOROBENZENE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	CHLOROETHANE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	CHLOROFORM	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	CHLOROMETHANE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0110M-0001-SO	DIBROMOCHLOROMETHANE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	ETHYLBENZENE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	METHYL ETHYL KETONE	4.2	UG/KG	20	2	J	076SB-0111M-0001-SO	5.6	19	1.9	J	N/A	Yes
076SB-0110M-0001-SO	METHYL ISOBUTYL KETONE	1	UG/KG	20	1		076SB-0111M-0001-SO	0.93	19	0.93		N/A	Yes
076SB-0110M-0001-SO	METHYLENE CHLORIDE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	STYRENE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	TETRACHLOROETHYLENE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	TOLUENE	1.2	UG/KG	5	0.5	J	076SB-0111M-0001-SO	0.95	4.7	0.47	J	N/A	Yes
076SB-0110M-0001-SO	TOTAL 1,2-DICHLOROETHENE	1	UG/KG	10	1		076SB-0111M-0001-SO	0.93	9.3	0.93		N/A	Yes
076SB-0110M-0001-SO	TRANS-1,3-DICHLOROPROPENE	1	UG/KG	5	1		076SB-0111M-0001-SO	0.93	4.7	0.93		N/A	Yes
076SB-0110M-0001-SO	TRICHLOROETHYLENE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	VINYL CHLORIDE	0.5	UG/KG	5	0.5		076SB-0111M-0001-SO	0.47	4.7	0.47		N/A	Yes
076SB-0110M-0001-SO	XYLENES, TOTAL	1.5	UG/KG	10	1.5		076SB-0111M-0001-SO	1.4	9.3	1.4		N/A	Yes
076SB-0110M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27		076SB-0111M-0001-SO	27	150	27		N/A	Yes
076SB-0110M-0001-SO	2,4,6-TRICHLOROPHENOL	80	UG/KG	150	80		076SB-0111M-0001-SO	80	150	80		N/A	Yes
076SB-0110M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27		076SB-0111M-0001-SO	27	150	27		N/A	Yes
076SB-0110M-0001-SO	2,4-DIMETHYLPHENOL	80	UG/KG	150	80		076SB-0111M-0001-SO	80	150	80		N/A	Yes
076SB-0110M-0001-SO	2,4-DINITROPHENOL	80	UG/KG	330	80		076SB-0111M-0001-SO	80	330	80		N/A	Yes
076SB-0110M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27		076SB-0111M-0001-SO	27	200	27		N/A	Yes
076SB-0110M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27		076SB-0111M-0001-SO	27	200	27		N/A	Yes
076SB-0110M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3		076SB-0111M-0001-SO	3.3	50	3.3		N/A	Yes
076SB-0110M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	2-METHYLNAPHTHALENE	10	UG/KG	6.6	3.3		076SB-0111M-0001-SO	13	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	2-METHYLPHENOL	80	UG/KG	200	80		076SB-0111M-0001-SO	80	200	80		N/A	Yes
076SB-0110M-0001-SO	2-NITROANILINE	27	UG/KG	200	27		076SB-0111M-0001-SO	27	200	27		N/A	Yes
076SB-0110M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	3,3'-DICHLOROBENZIDINE	80	UG/KG	99	80		076SB-0111M-0001-SO	80	100	80		N/A	Yes
076SB-0110M-0001-SO	3-NITROANILINE	80	UG/KG	200	80		076SB-0111M-0001-SO	80	200	80		N/A	Yes
076SB-0110M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	80	UG/KG	150	80		076SB-0111M-0001-SO	80	150	80		N/A	Yes
076SB-0110M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27		076SB-0111M-0001-SO	27	150	27		N/A	Yes
076SB-0110M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27		076SB-0111M-0001-SO	27	150	27		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0110M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	4-NITROANILINE	27	UG/KG	200	27		076SB-0111M-0001-SO	27	200	27		N/A	Yes
076SB-0110M-0001-SO	4-NITROPHENOL	80	UG/KG	330	80		076SB-0111M-0001-SO	80	330	80		N/A	Yes
076SB-0110M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.6	3.3		076SB-0111M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.6	3.3		076SB-0111M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	ANTHRACENE	3.3	UG/KG	6.6	3.3		076SB-0111M-0001-SO	13	6.6	3.3		N/A	No
076SB-0110M-0001-SO	BENZO(A)ANTHRACENE	21	UG/KG	6.6	3.3		076SB-0111M-0001-SO	31	6.6	3.3		N/A	No
076SB-0110M-0001-SO	BENZO(A)PYRENE	20	UG/KG	6.6	3.3		076SB-0111M-0001-SO	23	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	BENZO(B)FLUORANTHENE	30	UG/KG	6.6	3.3		076SB-0111M-0001-SO	32	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	BENZO(G,H,I)PERYLENE	12	UG/KG	6.6	3.3		076SB-0111M-0001-SO	15	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	BENZO(K)FLUORANTHENE	7.7	UG/KG	6.6	3.3		076SB-0111M-0001-SO	10	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	BENZOIC ACID	330	UG/KG	660	330		076SB-0111M-0001-SO	330	660	330		N/A	Yes
076SB-0110M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27		076SB-0111M-0001-SO	27	330	27		N/A	Yes
076SB-0110M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	99	27		076SB-0111M-0001-SO	27	100	27		N/A	Yes
076SB-0110M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	99	3.3		076SB-0111M-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0110M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	99	27		076SB-0111M-0001-SO	27	100	27		N/A	Yes
076SB-0110M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	36	UG/KG	50	27	J	076SB-0111M-0001-SO	23	50	27	J	N/A	Yes
076SB-0110M-0001-SO	CARBAZOLE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	CHRYSENE	20	UG/KG	6.6	3.3		076SB-0111M-0001-SO	28	6.6	3.3		N/A	No
076SB-0110M-0001-SO	CRESOLS, M & P	80	UG/KG	400	80		076SB-0111M-0001-SO	80	400	80		N/A	Yes
076SB-0110M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.6	3.3		076SB-0111M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	DIBENZOFURAN	3.4	UG/KG	50	3.3	J	076SB-0111M-0001-SO	8.5	50	3.3	J	N/A	Yes
076SB-0110M-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	FLUORANTHENE	22	UG/KG	6.6	3.3		076SB-0111M-0001-SO	64	6.6	3.3		N/A	No
076SB-0110M-0001-SO	FLUORENE	3.3	UG/KG	6.6	3.3		076SB-0111M-0001-SO	7.4	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.6	3.3		076SB-0111M-0001-SO	3.3	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27		076SB-0111M-0001-SO	27	330	27		N/A	Yes
076SB-0110M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	INDENO(1,2,3-C,D)PYRENE	12	UG/KG	6.6	3.3		076SB-0111M-0001-SO	14	6.6	3.3		N/A	Yes
076SB-0110M-0001-SO	ISOPHORONE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	NAPHTHALENE	8.7	UG/KG	6.6	3.3		076SB-0111M-0001-SO	12	6.6	3.3		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0110M-0001-SO	NITROBENZENE	3.3	UG/KG	99	3.3		076SB-0111M-0001-SO	3.3	100	3.3		N/A	Yes
076SB-0110M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	PENTACHLOROPHENOL	80	UG/KG	150	80		076SB-0111M-0001-SO	80	150	80		N/A	Yes
076SB-0110M-0001-SO	PHENANTHRENE	3.3	UG/KG	6.6	3.3		076SB-0111M-0001-SO	60	6.6	3.3		N/A	No
076SB-0110M-0001-SO	PHENOL	27	UG/KG	50	27		076SB-0111M-0001-SO	27	50	27		N/A	Yes
076SB-0110M-0001-SO	PYRENE	20	UG/KG	6.6	3.3		076SB-0111M-0001-SO	50	6.6	3.3		86	N/A
076SB-0112M-0001-SO	ALUMINUM	7600	MG/KG	3	0.6		076SB-0113M-0001-SO	7900	2.5	0.51		4	N/A
076SB-0112M-0001-SO	ANTIMONY	0.13	MG/KG	0.2	0.1	J	076SB-0113M-0001-SO	0.1	0.17	0.085	J	N/A	Yes
076SB-0112M-0001-SO	ARSENIC	13	MG/KG	0.1	0.05		076SB-0113M-0001-SO	12	0.085	0.042		8	N/A
076SB-0112M-0001-SO	BARIUM	63	MG/KG	1	0.02		076SB-0113M-0001-SO	57	0.85	0.017		10	N/A
076SB-0112M-0001-SO	BERYLLIUM	0.48	MG/KG	0.1	0.01		076SB-0113M-0001-SO	0.5	0.085	0.0085		N/A	Yes
076SB-0112M-0001-SO	CADMIUM	0.31	MG/KG	0.1	0.03		076SB-0113M-0001-SO	0.28	0.085	0.025		N/A	Yes
076SB-0112M-0001-SO	CALCIUM	5400	MG/KG	10	2.5		076SB-0113M-0001-SO	5900	8.5	2.1		9	N/A
076SB-0112M-0001-SO	CHROMIUM	17	MG/KG	0.2	0.04		076SB-0113M-0001-SO	13	0.17	0.034		27	N/A
076SB-0112M-0001-SO	COBALT	8.2	MG/KG	0.05	0.01		076SB-0113M-0001-SO	7.4	0.042	0.0085		10	N/A
076SB-0112M-0001-SO	COPPER	18	MG/KG	0.2	0.06		076SB-0113M-0001-SO	17	0.17	0.051		6	N/A
076SB-0112M-0001-SO	IRON	20000	MG/KG	5	2		076SB-0113M-0001-SO	19000	4.2	1.7		5	N/A
076SB-0112M-0001-SO	LEAD	15	MG/KG	0.1	0.03		076SB-0113M-0001-SO	15	0.085	0.025		0	N/A
076SB-0112M-0001-SO	MAGNESIUM	2400	MG/KG	10	2		076SB-0113M-0001-SO	2600	8.5	1.7		8	N/A
076SB-0112M-0001-SO	MANGANESE	520	MG/KG	0.5	0.03		076SB-0113M-0001-SO	440	0.42	0.025		17	N/A
076SB-0112M-0001-SO	NICKEL	21	MG/KG	0.1	0.03		076SB-0113M-0001-SO	18	0.085	0.025		15	N/A
076SB-0112M-0001-SO	POTASSIUM	650	MG/KG	10	6		076SB-0113M-0001-SO	730	8.5	5.1		12	N/A
076SB-0112M-0001-SO	SELENIUM	0.79	MG/KG	0.5	0.1		076SB-0113M-0001-SO	0.65	0.42	0.085		N/A	Yes
076SB-0112M-0001-SO	SILVER	0.031	MG/KG	0.1	0.03	J	076SB-0113M-0001-SO	0.028	0.085	0.025	J	N/A	Yes
076SB-0112M-0001-SO	SODIUM	43	MG/KG	10	5		076SB-0113M-0001-SO	42	8.5	4.2		N/A	Yes
076SB-0112M-0001-SO	THALLIUM	0.13	MG/KG	0.1	0.02		076SB-0113M-0001-SO	0.12	0.085	0.017		N/A	Yes
076SB-0112M-0001-SO	VANADIUM	15	MG/KG	0.1	0.06		076SB-0113M-0001-SO	15	0.085	0.051		0	N/A
076SB-0112M-0001-SO	ZINC	54	MG/KG	0.5	0.2		076SB-0113M-0001-SO	52	0.42	0.17		4	N/A
076SB-0112M-0001-SO	MERCURY	0.03	MG/KG	0.094	0.031	J	076SB-0113M-0001-SO	0.031	0.12	0.039	J	N/A	Yes
076SB-0112M-0001-SO	1,1,1-TRICHLOROETHANE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
076SB-0112M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	1,1,2-TRICHLOROETHANE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	1,1-DICHLOROETHANE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	1,1-DICHLOROETHENE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
076SB-0112M-0001-SO	1,2-DIBROMOETHANE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0112M-0001-SO	1,2-DICHLOROETHANE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	1,2-DICHLOROPROPANE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
076SB-0112M-0001-SO	2-HEXANONE	0.87	UG/KG	17	0.87		076SB-0113M-0001-SO	0.91	18	0.91	U	N/A	Yes
076SB-0112M-0001-SO	ACETONE	6.6	UG/KG	17	5.5	J	076SB-0113M-0001-SO	12	18	5.7	J	N/A	Yes
076SB-0112M-0001-SO	BENZENE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	BROMOCHLOROMETHANE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
076SB-0112M-0001-SO	BROMODICHLOROMETHANE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	BROMOFORM	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	BROMOMETHANE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
076SB-0112M-0001-SO	CARBON DISULFIDE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	CARBON TETRACHLORIDE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	CHLOROBENZENE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	CHLOROETHANE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
076SB-0112M-0001-SO	CHLOROFORM	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	CHLOROMETHANE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	DIBROMOCHLOROMETHANE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
076SB-0112M-0001-SO	ETHYLBENZENE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	METHYL ETHYL KETONE	1.7	UG/KG	17	1.7	J	076SB-0113M-0001-SO	3.3	18	1.8	J	N/A	Yes
076SB-0112M-0001-SO	METHYL ISOBUTYL KETONE	0.87	UG/KG	17	0.87		076SB-0113M-0001-SO	0.91	18	0.91	U	N/A	Yes
076SB-0112M-0001-SO	METHYLENE CHLORIDE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	1.1	4.5	0.91	J	N/A	Yes
076SB-0112M-0001-SO	STYRENE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	TETRACHLOROETHYLENE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
076SB-0112M-0001-SO	TOLUENE	1	UG/KG	4.3	0.43	J	076SB-0113M-0001-SO	1.5	4.5	0.45	J	N/A	Yes
076SB-0112M-0001-SO	TOTAL 1,2-DICHLOROETHENE	0.87	UG/KG	8.7	0.87		076SB-0113M-0001-SO	0.91	9.1	0.91	U	N/A	Yes
076SB-0112M-0001-SO	TRANS-1,3-DICHLOROPROPENE	0.87	UG/KG	4.3	0.87		076SB-0113M-0001-SO	0.91	4.5	0.91	U	N/A	Yes
076SB-0112M-0001-SO	TRICHLOROETHYLENE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	VINYL CHLORIDE	0.43	UG/KG	4.3	0.43		076SB-0113M-0001-SO	0.45	4.5	0.45	U	N/A	Yes
076SB-0112M-0001-SO	XYLENES, TOTAL	1.3	UG/KG	8.7	1.3		076SB-0113M-0001-SO	1.4	9.1	1.4	U	N/A	Yes
076SB-0112M-0001-SO	1,2,4-TRICHLOROBENZENE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	1,2-DICHLOROBENZENE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	1,3-DICHLOROBENZENE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	1,4-DICHLOROBENZENE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	2,4,5-TRICHLOROPHENOL	530	UG/KG	3000	530		076SB-0113M-0001-SO	540	3000	540	U	N/A	Yes
076SB-0112M-0001-SO	2,4,6-TRICHLOROPHENOL	1600	UG/KG	3000	1600		076SB-0113M-0001-SO	1600	3000	1600	U	N/A	Yes
076SB-0112M-0001-SO	2,4-DICHLOROPHENOL	530	UG/KG	3000	530		076SB-0113M-0001-SO	540	3000	540	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0112M-0001-SO	2,4-DIMETHYLPHENOL	1600	UG/KG	3000	1600		076SB-0113M-0001-SO	1600	3000	1600	U	N/A	Yes
076SB-0112M-0001-SO	2,4-DINITROPHENOL	1600	UG/KG	6500	1600		076SB-0113M-0001-SO	1600	6600	1600	U	N/A	Yes
076SB-0112M-0001-SO	2,4-DINITROTOLUENE	530	UG/KG	3900	530		076SB-0113M-0001-SO	540	4000	540	U	N/A	Yes
076SB-0112M-0001-SO	2,6-DINITROTOLUENE	530	UG/KG	3900	530		076SB-0113M-0001-SO	540	4000	540	U	N/A	Yes
076SB-0112M-0001-SO	2-CHLORONAPHTHALENE	65	UG/KG	990	65		076SB-0113M-0001-SO	66	1000	66	U	N/A	Yes
076SB-0112M-0001-SO	2-CHLOROPHENOL	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	2-METHYLNAPHTHALENE	65	UG/KG	130	65		076SB-0113M-0001-SO	66	130	66	U	N/A	Yes
076SB-0112M-0001-SO	2-METHYLPHENOL	1600	UG/KG	3900	1600		076SB-0113M-0001-SO	1600	4000	1600	U	N/A	Yes
076SB-0112M-0001-SO	2-NITROANILINE	530	UG/KG	3900	530		076SB-0113M-0001-SO	540	4000	540	U	N/A	Yes
076SB-0112M-0001-SO	2-NITROPHENOL	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	3,3'-DICHLOROBENZIDINE	1600	UG/KG	2000	1600		076SB-0113M-0001-SO	1600	2000	1600	U	N/A	Yes
076SB-0112M-0001-SO	3-NITROANILINE	1600	UG/KG	3900	1600		076SB-0113M-0001-SO	1600	4000	1600	U	N/A	Yes
076SB-0112M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	1600	UG/KG	3000	1600		076SB-0113M-0001-SO	1600	3000	1600	U	N/A	Yes
076SB-0112M-0001-SO	4-BROMOPHENYL PHENYL ETHER	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	4-CHLORO-3-METHYLPHENOL	530	UG/KG	3000	530		076SB-0113M-0001-SO	540	3000	540	U	N/A	Yes
076SB-0112M-0001-SO	4-CHLOROANILINE	530	UG/KG	3000	530		076SB-0113M-0001-SO	540	3000	540	U	N/A	Yes
076SB-0112M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	4-NITROANILINE	530	UG/KG	3900	530		076SB-0113M-0001-SO	540	4000	540	U	N/A	Yes
076SB-0112M-0001-SO	4-NITROPHENOL	1600	UG/KG	6500	1600		076SB-0113M-0001-SO	1600	6600	1600	U	N/A	Yes
076SB-0112M-0001-SO	ACENAPHTHENE	65	UG/KG	130	65		076SB-0113M-0001-SO	66	130	66	U	N/A	Yes
076SB-0112M-0001-SO	ACENAPHTHYLENE	65	UG/KG	130	65		076SB-0113M-0001-SO	66	130	66	U	N/A	Yes
076SB-0112M-0001-SO	ANTHRACENE	65	UG/KG	130	65		076SB-0113M-0001-SO	66	130	66	U	N/A	Yes
076SB-0112M-0001-SO	BENZO(A)ANTHRACENE	200	UG/KG	130	65		076SB-0113M-0001-SO	270	130	66		N/A	Yes
076SB-0112M-0001-SO	BENZO(A)PYRENE	140	UG/KG	130	65		076SB-0113M-0001-SO	220	130	66		N/A	Yes
076SB-0112M-0001-SO	BENZO(B)FLUORANTHENE	190	UG/KG	130	65		076SB-0113M-0001-SO	270	130	66		N/A	Yes
076SB-0112M-0001-SO	BENZO(G,H,I)PERYLENE	120	UG/KG	130	65	J	076SB-0113M-0001-SO	140	130	66		N/A	Yes
076SB-0112M-0001-SO	BENZO(K)FLUORANTHENE	110	UG/KG	130	65	J	076SB-0113M-0001-SO	110	130	66	J	N/A	Yes
076SB-0112M-0001-SO	BENZOIC ACID	6600	UG/KG	13000	6600		076SB-0113M-0001-SO	6600	13000	6600	U	N/A	Yes
076SB-0112M-0001-SO	BENZYL ALCOHOL	530	UG/KG	6500	530		076SB-0113M-0001-SO	540	6600	540	U	N/A	Yes
076SB-0112M-0001-SO	BENZYL BUTYL PHTHALATE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	530	UG/KG	2000	530		076SB-0113M-0001-SO	540	2000	540	U	N/A	Yes
076SB-0112M-0001-SO	BIS(2-CHLOROETHYL) ETHER	65	UG/KG	2000	65		076SB-0113M-0001-SO	66	2000	66	U	N/A	Yes
076SB-0112M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	530	UG/KG	2000	530		076SB-0113M-0001-SO	540	2000	540	U	N/A	Yes
076SB-0112M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	CARBAZOLE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	CHRYSENE	160	UG/KG	130	65		076SB-0113M-0001-SO	280	130	66		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0112M-0001-SO	CRESOLS, M & P	1600	UG/KG	7900	1600		076SB-0113M-0001-SO	1600	8000	1600	U	N/A	Yes
076SB-0112M-0001-SO	DIBENZ(A,H)ANTHRACENE	65	UG/KG	130	65		076SB-0113M-0001-SO	66	130	66	U	N/A	Yes
076SB-0112M-0001-SO	DIBENZOFURAN	65	UG/KG	990	65		076SB-0113M-0001-SO	66	1000	66	U	N/A	Yes
076SB-0112M-0001-SO	DIETHYL PHTHALATE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	DIMETHYL PHTHALATE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	DI-N-BUTYL PHTHALATE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	DI-N-OCTYLPHTHALATE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	FLUORANTHENE	410	UG/KG	130	65		076SB-0113M-0001-SO	660	130	66		N/A	No
076SB-0112M-0001-SO	FLUORENE	65	UG/KG	130	65		076SB-0113M-0001-SO	66	130	66	U	N/A	Yes
076SB-0112M-0001-SO	HEXACHLOROBENZENE	65	UG/KG	130	65		076SB-0113M-0001-SO	66	130	66	U	N/A	Yes
076SB-0112M-0001-SO	HEXACHLOROBUTADIENE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	HEXACHLOROCYCLOPENTADIENE	530	UG/KG	6500	530		076SB-0113M-0001-SO	540	6600	540	U	N/A	Yes
076SB-0112M-0001-SO	HEXACHLOROETHANE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	INDENO(1,2,3-C,D)PYRENE	83	UG/KG	130	65	J	076SB-0113M-0001-SO	120	130	66	J	N/A	Yes
076SB-0112M-0001-SO	ISOPHORONE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	NAPHTHALENE	65	UG/KG	130	65		076SB-0113M-0001-SO	66	130	66	U	N/A	Yes
076SB-0112M-0001-SO	NITROBENZENE	65	UG/KG	2000	65		076SB-0113M-0001-SO	66	2000	66	U	N/A	Yes
076SB-0112M-0001-SO	N-NITROSODI-N-PROPYLAMINE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	N-NITROSODIPHENYLAMINE	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	PENTACHLOROPHENOL	1600	UG/KG	3000	1600		076SB-0113M-0001-SO	1600	3000	1600	U	N/A	Yes
076SB-0112M-0001-SO	PHENANTHRENE	280	UG/KG	130	65		076SB-0113M-0001-SO	470	130	66		N/A	No
076SB-0112M-0001-SO	PHENOL	530	UG/KG	990	530		076SB-0113M-0001-SO	540	1000	540	U	N/A	Yes
076SB-0112M-0001-SO	PYRENE	330	UG/KG	130	65		076SB-0113M-0001-SO	510	130	66		N/A	No
076SB-0114M-0001-SO	ALUMINUM	7600	MG/KG	2.7	0.55		076SB-0115M-0001-SO	7800	2.6	0.52		3	N/A
076SB-0114M-0001-SO	ANTIMONY	0.088	MG/KG	0.18	0.091	J-	076SB-0115M-0001-SO	0.093	0.17	0.087	J	N/A	Yes
076SB-0114M-0001-SO	ARSENIC	13	MG/KG	0.091	0.045	J-	076SB-0115M-0001-SO	14	0.087	0.043		7	N/A
076SB-0114M-0001-SO	BARIUM	36	MG/KG	0.91	0.018	J	076SB-0115M-0001-SO	37	0.87	0.017		3	N/A
076SB-0114M-0001-SO	BERYLLIUM	0.35	MG/KG	0.091	0.0091	J-	076SB-0115M-0001-SO	0.35	0.087	0.0087		N/A	Yes
076SB-0114M-0001-SO	CADMIUM	0.15	MG/KG	0.091	0.027	J-	076SB-0115M-0001-SO	0.15	0.087	0.026		N/A	Yes
076SB-0114M-0001-SO	CALCIUM	530	MG/KG	9.1	2.3	J+	076SB-0115M-0001-SO	570	8.7	2.2		7	N/A
076SB-0114M-0001-SO	CHROMIUM	12	MG/KG	0.18	0.036	J-	076SB-0115M-0001-SO	12	0.17	0.035		0	N/A
076SB-0114M-0001-SO	COBALT	8	MG/KG	0.045	0.0091	J-	076SB-0115M-0001-SO	8.2	0.043	0.0087		2	N/A
076SB-0114M-0001-SO	COPPER	16	MG/KG	0.18	0.055	J-	076SB-0115M-0001-SO	17	0.17	0.052		6	N/A
076SB-0114M-0001-SO	IRON	20000	MG/KG	4.5	1.8		076SB-0115M-0001-SO	20000	4.3	1.7		0	N/A
076SB-0114M-0001-SO	LEAD	11	MG/KG	0.091	0.027	J	076SB-0115M-0001-SO	12	0.087	0.026		9	N/A
076SB-0114M-0001-SO	MAGNESIUM	1900	MG/KG	9.1	1.8		076SB-0115M-0001-SO	1900	8.7	1.7		0	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0114M-0001-SO	MANGANESE	420	MG/KG	0.45	0.027	J	076SB-0115M-0001-SO	430	0.43	0.026		2	N/A
076SB-0114M-0001-SO	NICKEL	17	MG/KG	0.091	0.027	J-	076SB-0115M-0001-SO	17	0.087	0.026		0	N/A
076SB-0114M-0001-SO	POTASSIUM	550	MG/KG	9.1	5.5	J-	076SB-0115M-0001-SO	580	8.7	5.2		5	N/A
076SB-0114M-0001-SO	SELENIUM	0.51	MG/KG	0.45	0.091	J-	076SB-0115M-0001-SO	0.48	0.43	0.087		N/A	Yes
076SB-0114M-0001-SO	SILVER	0.019	MG/KG	0.091	0.027	J-	076SB-0115M-0001-SO	0.02	0.087	0.026	J	N/A	Yes
076SB-0114M-0001-SO	SODIUM	20	MG/KG	9.1	4.5		076SB-0115M-0001-SO	22	8.7	4.3		N/A	Yes
076SB-0114M-0001-SO	THALLIUM	0.12	MG/KG	0.091	0.018		076SB-0115M-0001-SO	0.12	0.087	0.017		N/A	Yes
076SB-0114M-0001-SO	VANADIUM	13	MG/KG	0.091	0.055		076SB-0115M-0001-SO	14	0.087	0.052		7	N/A
076SB-0114M-0001-SO	ZINC	54	MG/KG	0.45	0.18	J	076SB-0115M-0001-SO	55	0.43	0.17		2	N/A
076SB-0114M-0001-SO	MERCURY	0.03	MG/KG	0.09	0.03	J	076SB-0115M-0001-SO	0.033	0.12	0.039	J	N/A	Yes
076SB-0114M-0001-SO	AROCLOR 1016	25	UG/KG	65	25	U	076SB-0115M-0001-SO	25	65	25	U	N/A	Yes
076SB-0114M-0001-SO	AROCLOR 1221	25	UG/KG	50	25	U	076SB-0115M-0001-SO	25	50	25	U	N/A	Yes
076SB-0114M-0001-SO	AROCLOR 1232	25	UG/KG	45	25	U	076SB-0115M-0001-SO	25	45	25	U	N/A	Yes
076SB-0114M-0001-SO	AROCLOR 1242	25	UG/KG	40	25	U	076SB-0115M-0001-SO	25	40	25	U	N/A	Yes
076SB-0114M-0001-SO	AROCLOR 1248	25	UG/KG	55	25	U	076SB-0115M-0001-SO	25	55	25	U	N/A	Yes
076SB-0114M-0001-SO	AROCLOR 1254	25	UG/KG	55	25	U	076SB-0115M-0001-SO	25	55	25	U	N/A	Yes
076SB-0114M-0001-SO	AROCLOR 1260	25	UG/KG	55	25	U	076SB-0115M-0001-SO	25	55	25	U	N/A	Yes
076SB-0114M-0001-SO	1,1,1-TRICHLOROETHANE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes
076SB-0114M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	1,1,2-TRICHLOROETHANE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	1,1-DICHLOROETHANE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	1,1-DICHLOROETHENE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes
076SB-0114M-0001-SO	1,2-DIBROMOETHANE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes
076SB-0114M-0001-SO	1,2-DICHLOROETHANE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	1,2-DICHLOROPROPANE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes
076SB-0114M-0001-SO	2-HEXANONE	0.96	UG/KG	19	0.96	U	076SB-0115M-0001-SO	1	21	1	U	N/A	Yes
076SB-0114M-0001-SO	ACETONE	6	UG/KG	19	6	U	076SB-0115M-0001-SO	6.6	21	6.6	U	N/A	Yes
076SB-0114M-0001-SO	BENZENE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	BROMOCHLOROMETHANE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes
076SB-0114M-0001-SO	BROMODICHLOROMETHANE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	BROMOFORM	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	BROMOMETHANE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes
076SB-0114M-0001-SO	CARBON DISULFIDE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	CARBON TETRACHLORIDE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	CHLOROBENZENE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	CHLOROETHANE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0114M-0001-SO	CHLOROFORM	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	CHLOROMETHANE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	DIBROMOCHLOROMETHANE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes
076SB-0114M-0001-SO	ETHYLBENZENE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	METHYL ETHYL KETONE	1.9	UG/KG	19	1.9	U	076SB-0115M-0001-SO	2.1	21	2.1	U	N/A	Yes
076SB-0114M-0001-SO	METHYL ISOBUTYL KETONE	0.96	UG/KG	19	0.96	U	076SB-0115M-0001-SO	1	21	1	U	N/A	Yes
076SB-0114M-0001-SO	METHYLENE CHLORIDE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1.7	5.2	1	J	N/A	Yes
076SB-0114M-0001-SO	STYRENE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	TETRACHLOROETHYLENE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes
076SB-0114M-0001-SO	TOLUENE	0.52	UG/KG	4.8	0.48	J	076SB-0115M-0001-SO	1.5	5.2	0.52	J	N/A	Yes
076SB-0114M-0001-SO	TOTAL 1,2-DICHLOROETHENE	0.96	UG/KG	9.6	0.96	U	076SB-0115M-0001-SO	1	10	1	U	N/A	Yes
076SB-0114M-0001-SO	TRANS-1,3-DICHLOROPROPENE	0.96	UG/KG	4.8	0.96	U	076SB-0115M-0001-SO	1	5.2	1	U	N/A	Yes
076SB-0114M-0001-SO	TRICHLOROETHYLENE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	VINYL CHLORIDE	0.48	UG/KG	4.8	0.48	U	076SB-0115M-0001-SO	0.52	5.2	0.52	U	N/A	Yes
076SB-0114M-0001-SO	XYLENES, TOTAL	1.4	UG/KG	9.6	1.4	U	076SB-0115M-0001-SO	1.6	10	1.6	U	N/A	Yes
076SB-0114M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	076SB-0115M-0001-SO	27	150	27	U	N/A	Yes
076SB-0114M-0001-SO	2,4,6-TRICHLOROPHENOL	81	UG/KG	150	81	U	076SB-0115M-0001-SO	79	150	79	U	N/A	Yes
076SB-0114M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	076SB-0115M-0001-SO	27	150	27	U	N/A	Yes
076SB-0114M-0001-SO	2,4-DIMETHYLPHENOL	81	UG/KG	150	81	U	076SB-0115M-0001-SO	79	150	79	U	N/A	Yes
076SB-0114M-0001-SO	2,4-DINITROPHENOL	81	UG/KG	330	81	U	076SB-0115M-0001-SO	79	330	79	U	N/A	Yes
076SB-0114M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	076SB-0115M-0001-SO	27	200	27	U	N/A	Yes
076SB-0114M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	076SB-0115M-0001-SO	27	200	27	U	N/A	Yes
076SB-0114M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	076SB-0115M-0001-SO	3.3	49	3.3	U	N/A	Yes
076SB-0114M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	2-METHYLNAPHTHALENE	8.3	UG/KG	6.7	3.3		076SB-0115M-0001-SO	12	6.6	3.3		N/A	Yes
076SB-0114M-0001-SO	2-METHYLPHENOL	81	UG/KG	200	81	U	076SB-0115M-0001-SO	79	200	79	U	N/A	Yes
076SB-0114M-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	076SB-0115M-0001-SO	27	200	27	U	N/A	Yes
076SB-0114M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	3,3'-DICHLOROBENZIDINE	81	UG/KG	100	81	U	076SB-0115M-0001-SO	79	99	79	U	N/A	Yes
076SB-0114M-0001-SO	3-NITROANILINE	81	UG/KG	200	81	U	076SB-0115M-0001-SO	79	200	79	U	N/A	Yes
076SB-0114M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	81	UG/KG	150	81	U	076SB-0115M-0001-SO	79	150	79	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0114M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	076SB-0115M-0001-SO	27	150	27	U	N/A	Yes
076SB-0114M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	076SB-0115M-0001-SO	27	150	27	U	N/A	Yes
076SB-0114M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	076SB-0115M-0001-SO	27	200	27	U	N/A	Yes
076SB-0114M-0001-SO	4-NITROPHENOL	81	UG/KG	330	81	U	076SB-0115M-0001-SO	79	330	79	U	N/A	Yes
076SB-0114M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.7	3.3	U	076SB-0115M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
076SB-0114M-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.7	3.3	U	076SB-0115M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
076SB-0114M-0001-SO	ANTHRACENE	4.5	UG/KG	6.7	3.3	J	076SB-0115M-0001-SO	9.1	6.6	3.3		N/A	Yes
076SB-0114M-0001-SO	BENZO(A)ANTHRACENE	23	UG/KG	6.7	3.3		076SB-0115M-0001-SO	33	6.6	3.3		N/A	No
076SB-0114M-0001-SO	BENZO(A)PYRENE	23	UG/KG	6.7	3.3		076SB-0115M-0001-SO	32	6.6	3.3		N/A	No
076SB-0114M-0001-SO	BENZO(B)FLUORANTHENE	35	UG/KG	6.7	3.3		076SB-0115M-0001-SO	50	6.6	3.3		35	N/A
076SB-0114M-0001-SO	BENZO(G,H,I)PERYLENE	17	UG/KG	6.7	3.3		076SB-0115M-0001-SO	26	6.6	3.3		N/A	No
076SB-0114M-0001-SO	BENZO(K)FLUORANTHENE	8.6	UG/KG	6.7	3.3		076SB-0115M-0001-SO	19	6.6	3.3		N/A	No
076SB-0114M-0001-SO	BENZOIC ACID	340	UG/KG	660	340	U	076SB-0115M-0001-SO	330	650	330	U	N/A	Yes
076SB-0114M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	076SB-0115M-0001-SO	27	330	27	U	N/A	Yes
076SB-0114M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27	U	076SB-0115M-0001-SO	27	99	27	U	N/A	Yes
076SB-0114M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3	U	076SB-0115M-0001-SO	3.3	99	3.3	U	N/A	Yes
076SB-0114M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	100	27	U	076SB-0115M-0001-SO	27	99	27	U	N/A	Yes
076SB-0114M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	25	49	27	J	N/A	Yes
076SB-0114M-0001-SO	CARBAZOLE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	CHRYSENE	28	UG/KG	6.7	3.3		076SB-0115M-0001-SO	39	6.6	3.3		N/A	No
076SB-0114M-0001-SO	CRESOLS, M & P	81	UG/KG	400	81	U	076SB-0115M-0001-SO	79	390	79	U	N/A	Yes
076SB-0114M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.7	3.3	U	076SB-0115M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
076SB-0114M-0001-SO	DIBENZOFURAN	4.2	UG/KG	50	3.3	J	076SB-0115M-0001-SO	5.7	49	3.3	J	N/A	Yes
076SB-0114M-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	FLUORANTHENE	53	UG/KG	6.7	3.3		076SB-0115M-0001-SO	79	6.6	3.3		39	N/A
076SB-0114M-0001-SO	FLUORENE	3.3	UG/KG	6.7	3.3	U	076SB-0115M-0001-SO	4.5	6.6	3.3	J	N/A	Yes
076SB-0114M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.7	3.3	U	076SB-0115M-0001-SO	3.3	6.6	3.3	U	N/A	Yes
076SB-0114M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	076SB-0115M-0001-SO	27	330	27	U	N/A	Yes
076SB-0114M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SB-0114M-0001-SO	INDENO(1,2,3-C,D)PYRENE	14	UG/KG	6.7	3.3		076SB-0115M-0001-SO	20	6.6	3.3		N/A	Yes
076SB-0114M-0001-SO	ISOPHORONE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	NAPHTHALENE	8.3	UG/KG	6.7	3.3		076SB-0115M-0001-SO	11	6.6	3.3		N/A	Yes
076SB-0114M-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3	U	076SB-0115M-0001-SO	3.3	99	3.3	U	N/A	Yes
076SB-0114M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	R	076SB-0115M-0001-SO	27	49	27	U	N/A	N/A
076SB-0114M-0001-SO	PENTACHLOROPHENOL	81	UG/KG	150	81	U	076SB-0115M-0001-SO	79	150	79	U	N/A	Yes
076SB-0114M-0001-SO	PHENANTHRENE	34	UG/KG	6.7	3.3		076SB-0115M-0001-SO	52	6.6	3.3		42	N/A
076SB-0114M-0001-SO	PHENOL	27	UG/KG	50	27	U	076SB-0115M-0001-SO	27	49	27	U	N/A	Yes
076SB-0114M-0001-SO	PYRENE	44	UG/KG	6.7	3.3		076SB-0115M-0001-SO	67	6.6	3.3		41	N/A
076SD-0009-0001-SO	ALUMINUM	7500	MG/KG	9.6	3.8	J	076SD-0010-0001-SO	8500	49	19		13	N/A
076SD-0009-0001-SO	ANTIMONY	0.72	MG/KG	0.96	0.72	R	076SD-0010-0001-SO	0.73	0.97	0.73	U	N/A	N/A
076SD-0009-0001-SO	ARSENIC	9.5	MG/KG	0.48	0.14		076SD-0010-0001-SO	9.7	0.49	0.15		2	N/A
076SD-0009-0001-SO	BARIUM	57	MG/KG	2.4	1.4		076SD-0010-0001-SO	58	2.4	1.5		2	N/A
076SD-0009-0001-SO	BERYLLIUM	0.45	MG/KG	0.096	0.0096		076SD-0010-0001-SO	0.46	0.097	0.0097		N/A	Yes
076SD-0009-0001-SO	CADMIUM	0.16	MG/KG	0.19	0.0096	J	076SD-0010-0001-SO	0.16	0.19	0.0097	J	N/A	Yes
076SD-0009-0001-SO	CALCIUM	1800	MG/KG	190	96	J+	076SD-0010-0001-SO	2100	970	490		N/A	Yes
076SD-0009-0001-SO	CHROMIUM	44	MG/KG	0.48	0.43	J	076SD-0010-0001-SO	25	2.4	2.2		55	N/A
076SD-0009-0001-SO	COBALT	7.3	MG/KG	0.096	0.014		076SD-0010-0001-SO	8	0.49	0.073		9	N/A
076SD-0009-0001-SO	COPPER	15	MG/KG	0.38	0.29		076SD-0010-0001-SO	16	1.9	1.5		6	N/A
076SD-0009-0001-SO	IRON	19000	MG/KG	48	29	J	076SD-0010-0001-SO	21000	240	150		10	N/A
076SD-0009-0001-SO	LEAD	19	MG/KG	1.4	0.96		076SD-0010-0001-SO	19	1.5	0.97		0	N/A
076SD-0009-0001-SO	MAGNESIUM	1800	MG/KG	96	24		076SD-0010-0001-SO	2000	490	120		N/A	Yes
076SD-0009-0001-SO	MANGANESE	310	MG/KG	0.48	0.38		076SD-0010-0001-SO	360	2.4	1.9		15	N/A
076SD-0009-0001-SO	NICKEL	30	MG/KG	0.48	0.24	J	076SD-0010-0001-SO	22	2.4	1.2		31	N/A
076SD-0009-0001-SO	POTASSIUM	590	MG/KG	96	9.6	J+	076SD-0010-0001-SO	670	490	49		N/A	Yes
076SD-0009-0001-SO	SELENIUM	0.52	MG/KG	0.48	0.058	J	076SD-0010-0001-SO	0.54	0.49	0.058		N/A	Yes
076SD-0009-0001-SO	SILVER	0.029	MG/KG	0.096	0.048	J	076SD-0010-0001-SO	0.029	0.097	0.049	J	N/A	Yes
076SD-0009-0001-SO	SODIUM	49	MG/KG	96	38	J	076SD-0010-0001-SO	190	490	190	U	N/A	Yes
076SD-0009-0001-SO	THALLIUM	0.72	MG/KG	0.96	0.72	U	076SD-0010-0001-SO	0.73	0.97	0.73	U	N/A	Yes
076SD-0009-0001-SO	VANADIUM	14	MG/KG	0.48	0.096	J+	076SD-0010-0001-SO	15	2.4	0.49		7	N/A
076SD-0009-0001-SO	ZINC	49	MG/KG	3.8	1.9		076SD-0010-0001-SO	59	19	9.7		N/A	Yes
076SD-0009-0001-SO	MERCURY	0.053	MG/KG	0.095	0.031	U	076SD-0010-0001-SO	0.059	0.11	0.035	J	N/A	Yes
076SD-0009-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SD-0009-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	2,2'-OXYBIS(1-CHLORO)PROPANE	27	UG/KG	100	27	U	076SD-0010-0001-SO	27	100	27	U	N/A	Yes
076SD-0009-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	076SD-0010-0001-SO	27	150	27	U	N/A	Yes
076SD-0009-0001-SO	2,4,6-TRICHLOROPHENOL	81	UG/KG	150	81	U	076SD-0010-0001-SO	81	150	81	U	N/A	Yes
076SD-0009-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	076SD-0010-0001-SO	27	150	27	U	N/A	Yes
076SD-0009-0001-SO	2,4-DIMETHYLPHENOL	81	UG/KG	150	81	U	076SD-0010-0001-SO	81	150	81	U	N/A	Yes
076SD-0009-0001-SO	2,4-DINITROPHENOL	81	UG/KG	330	81	UJ	076SD-0010-0001-SO	81	330	81	U	N/A	Yes
076SD-0009-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	076SD-0010-0001-SO	27	200	27	U	N/A	Yes
076SD-0009-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	076SD-0010-0001-SO	27	200	27	U	N/A	Yes
076SD-0009-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	51	3.3	U	076SD-0010-0001-SO	3.3	51	3.3	U	N/A	Yes
076SD-0009-0001-SO	2-CHLOROPHENOL	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	2-METHYLNAPHTHALENE	30	UG/KG	6.8	3.3		076SD-0010-0001-SO	20	6.7	3.3		N/A	No
076SD-0009-0001-SO	2-METHYLPHENOL	81	UG/KG	200	81	U	076SD-0010-0001-SO	81	200	81	U	N/A	Yes
076SD-0009-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	076SD-0010-0001-SO	27	200	27	U	N/A	Yes
076SD-0009-0001-SO	2-NITROPHENOL	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	3,3'-DICHLOROBENZIDINE	81	UG/KG	100	81	R	076SD-0010-0001-SO	81	100	81	U	N/A	N/A
076SD-0009-0001-SO	3-NITROANILINE	81	UG/KG	200	81	R	076SD-0010-0001-SO	81	200	81	U	N/A	N/A
076SD-0009-0001-SO	4,6-DINITRO-2-METHYLPHENOL	81	UG/KG	150	81	U	076SD-0010-0001-SO	81	150	81	U	N/A	Yes
076SD-0009-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	51	27	UJ	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	076SD-0010-0001-SO	27	150	27	U	N/A	Yes
076SD-0009-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	R	076SD-0010-0001-SO	27	150	27	U	N/A	N/A
076SD-0009-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	4-NITROANILINE	27	UG/KG	200	27	R	076SD-0010-0001-SO	27	200	27	U	N/A	N/A
076SD-0009-0001-SO	4-NITROPHENOL	81	UG/KG	330	81	U	076SD-0010-0001-SO	81	330	81	U	N/A	Yes
076SD-0009-0001-SO	ACENAPHTHENE	7.1	UG/KG	6.8	3.3		076SD-0010-0001-SO	5.6	6.7	3.3	J	N/A	Yes
076SD-0009-0001-SO	ACENAPHTHYLENE	13	UG/KG	6.8	3.3		076SD-0010-0001-SO	6.5	6.7	3.3	J	N/A	Yes
076SD-0009-0001-SO	ANTHRACENE	16	UG/KG	6.8	3.3		076SD-0010-0001-SO	11	6.7	3.3		N/A	Yes
076SD-0009-0001-SO	BENZO(A)ANTHRACENE	71	UG/KG	6.8	3.3		076SD-0010-0001-SO	46	6.7	3.3		43	N/A
076SD-0009-0001-SO	BENZO(A)PYRENE	69	UG/KG	6.8	3.3		076SD-0010-0001-SO	52	6.7	3.3		28	N/A
076SD-0009-0001-SO	BENZO(B)FLUORANTHENE	110	UG/KG	6.8	3.3		076SD-0010-0001-SO	71	6.7	3.3		43	N/A
076SD-0009-0001-SO	BENZO(G,H,I)PERYLENE	39	UG/KG	6.8	3.3	J	076SD-0010-0001-SO	31	6.7	3.3		N/A	No
076SD-0009-0001-SO	BENZO(K)FLUORANTHENE	38	UG/KG	6.8	3.3		076SD-0010-0001-SO	28	6.7	3.3		N/A	No
076SD-0009-0001-SO	BENZOIC ACID	340	UG/KG	670	340	UJ	076SD-0010-0001-SO	340	670	340	U	N/A	Yes
076SD-0009-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	076SD-0010-0001-SO	27	330	27	U	N/A	Yes
076SD-0009-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27	U	076SD-0010-0001-SO	27	100	27	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SD-0009-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3	U	076SD-0010-0001-SO	3.3	100	3.3	U	N/A	Yes
076SD-0009-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	89	UG/KG	51	27		076SD-0010-0001-SO	72	51	27		N/A	Yes
076SD-0009-0001-SO	CARBAZOLE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	CHRYSENE	73	UG/KG	6.8	3.3		076SD-0010-0001-SO	55	6.7	3.3		28	N/A
076SD-0009-0001-SO	CRESOLS, M & P	81	UG/KG	410	81	U	076SD-0010-0001-SO	81	400	81	U	N/A	Yes
076SD-0009-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.8	3.3	U	076SD-0010-0001-SO	3.3	6.7	3.3	U	N/A	Yes
076SD-0009-0001-SO	DIBENZOFURAN	14	UG/KG	51	3.3	J	076SD-0010-0001-SO	17	51	3.3	J	N/A	Yes
076SD-0009-0001-SO	DIETHYL PHTHALATE	23	UG/KG	51	27	J	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	FLUORANTHENE	120	UG/KG	6.8	3.3		076SD-0010-0001-SO	88	6.7	3.3		31	N/A
076SD-0009-0001-SO	FLUORENE	12	UG/KG	6.8	3.3		076SD-0010-0001-SO	7.8	6.7	3.3		N/A	Yes
076SD-0009-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.8	3.3	U	076SD-0010-0001-SO	3.3	6.7	3.3	U	N/A	Yes
076SD-0009-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	076SD-0010-0001-SO	27	330	27	U	N/A	Yes
076SD-0009-0001-SO	HEXACHLOROETHANE	27	UG/KG	51	27	UJ	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	INDENO(1,2,3-C,D)PYRENE	33	UG/KG	6.8	3.3	J	076SD-0010-0001-SO	28	6.7	3.3		N/A	Yes
076SD-0009-0001-SO	ISOPHORONE	18	UG/KG	51	27	J	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	NAPHTHALENE	22	UG/KG	6.8	3.3		076SD-0010-0001-SO	14	6.7	3.3		N/A	No
076SD-0009-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3	U	076SD-0010-0001-SO	3.3	100	3.3	U	N/A	Yes
076SD-0009-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	PENTACHLOROPHENOL	81	UG/KG	150	81	UJ	076SD-0010-0001-SO	81	150	81	U	N/A	Yes
076SD-0009-0001-SO	PHENANTHRENE	68	UG/KG	6.8	3.3		076SD-0010-0001-SO	51	6.7	3.3		29	N/A
076SD-0009-0001-SO	PHENOL	27	UG/KG	51	27	U	076SD-0010-0001-SO	27	51	27	U	N/A	Yes
076SD-0009-0001-SO	PYRENE	100	UG/KG	6.8	3.3		076SD-0010-0001-SO	69	6.7	3.3		37	N/A
076SS-0020M-0001-SO	NITROCELLULOSE	18	MG/KG	50	18	U	076SS-0021M-0001-SO	17	45	17	U	N/A	Yes
076SS-0020M-0001-SO	ALUMINUM	11000	MG/KG	9.3	3.7		076SS-0021M-0001-SO	10000	8.3	3.3		10	N/A
076SS-0020M-0001-SO	ANTIMONY	0.17	MG/KG	0.19	0.14	J-	076SS-0021M-0001-SO	0.17	0.17	0.13		N/A	Yes
076SS-0020M-0001-SO	ARSENIC	11	MG/KG	0.46	0.14	J-	076SS-0021M-0001-SO	11	0.42	0.13		0	N/A
076SS-0020M-0001-SO	BARIUM	100	MG/KG	0.46	0.28		076SS-0021M-0001-SO	88	0.42	0.25		13	N/A
076SS-0020M-0001-SO	BERYLLIUM	0.62	MG/KG	0.093	0.0093		076SS-0021M-0001-SO	0.54	0.083	0.0083		14	N/A
076SS-0020M-0001-SO	CADMIUM	0.2	MG/KG	0.19	0.0093		076SS-0021M-0001-SO	0.15	0.17	0.0083	J	N/A	Yes
076SS-0020M-0001-SO	CALCIUM	1100	MG/KG	190	93		076SS-0021M-0001-SO	1100	170	83		0	N/A
076SS-0020M-0001-SO	CHROMIUM	16	MG/KG	0.46	0.42		076SS-0021M-0001-SO	15	0.42	0.38		6	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SS-0020M-0001-SO	COBALT	9.4	MG/KG	0.093	0.014		076SS-0021M-0001-SO	9.4	0.083	0.013		0	N/A
076SS-0020M-0001-SO	COPPER	12	MG/KG	0.37	0.28		076SS-0021M-0001-SO	12	0.33	0.25		0	N/A
076SS-0020M-0001-SO	IRON	19000	MG/KG	46	28		076SS-0021M-0001-SO	21000	42	25		10	N/A
076SS-0020M-0001-SO	LEAD	38	MG/KG	0.28	0.19		076SS-0021M-0001-SO	36	0.25	0.17		5	N/A
076SS-0020M-0001-SO	MAGNESIUM	2000	MG/KG	93	23		076SS-0021M-0001-SO	2100	83	21		5	N/A
076SS-0020M-0001-SO	MANGANESE	760	MG/KG	0.46	0.37	J	076SS-0021M-0001-SO	700	0.42	0.33		8	N/A
076SS-0020M-0001-SO	NICKEL	18	MG/KG	0.46	0.23		076SS-0021M-0001-SO	18	0.42	0.21		0	N/A
076SS-0020M-0001-SO	POTASSIUM	801	MG/KG	93	9.3		076SS-0021M-0001-SO	790	83	8.3		1	N/A
076SS-0020M-0001-SO	SELENIUM	0.6	MG/KG	0.46	0.056	J-	076SS-0021M-0001-SO	0.5	0.42	0.05		N/A	Yes
076SS-0020M-0001-SO	SILVER	0.073	MG/KG	0.093	0.046	J	076SS-0021M-0001-SO	0.13	0.083	0.042		N/A	Yes
076SS-0020M-0001-SO	SODIUM	37	MG/KG	93	37	U	076SS-0021M-0001-SO	26	83	33	J	N/A	Yes
076SS-0020M-0001-SO	THALLIUM	0.21	MG/KG	0.19	0.14	UJ	076SS-0021M-0001-SO	0.17	0.17	0.13		N/A	Yes
076SS-0020M-0001-SO	VANADIUM	18	MG/KG	0.46	0.093		076SS-0021M-0001-SO	18	0.42	0.083		0	N/A
076SS-0020M-0001-SO	ZINC	120	MG/KG	3.7	1.9		076SS-0021M-0001-SO	77	3.3	1.7		44	N/A
076SS-0020M-0001-SO	MERCURY	0.077	MG/KG	0.1	0.033	U	076SS-0021M-0001-SO	0.083	0.09	0.03	J	N/A	Yes
076SS-0020M-0001-SO	ALDRIN	6.7	UG/KG	20	6.7	U	076SS-0021M-0001-SO	1.3	4	1.3	U	N/A	Yes
076SS-0020M-0001-SO	ALPHA BHC	6.7	UG/KG	13	6.7	U	076SS-0021M-0001-SO	1.3	2.5	1.3	U	N/A	Yes
076SS-0020M-0001-SO	ALPHA ENDOSULFAN	3.4	UG/KG	8.6	3.4	U	076SS-0021M-0001-SO	0.67	1.7	0.67	U	N/A	Yes
076SS-0020M-0001-SO	ALPHA-CHLORDANE	6.7	UG/KG	15	6.7	U	076SS-0021M-0001-SO	1.3	3	1.3	U	N/A	Yes
076SS-0020M-0001-SO	BETA BHC	6.7	UG/KG	18	6.7	U	076SS-0021M-0001-SO	1.3	3.5	1.3	U	N/A	Yes
076SS-0020M-0001-SO	BETA ENDOSULFAN	6.7	UG/KG	13	6.7	U	076SS-0021M-0001-SO	1.3	2.5	1.3	U	N/A	Yes
076SS-0020M-0001-SO	DELTA BHC	6.7	UG/KG	20	6.7	U	076SS-0021M-0001-SO	1.3	4	1.3	U	N/A	Yes
076SS-0020M-0001-SO	DIELDRIN	3.4	UG/KG	8.6	3.4	U	076SS-0021M-0001-SO	0.67	1.7	0.67	U	N/A	Yes
076SS-0020M-0001-SO	ENDOSULFAN SULFATE	6.7	UG/KG	15	6.7	U	076SS-0021M-0001-SO	1.3	3	1.3	U	N/A	Yes
076SS-0020M-0001-SO	ENDRIN	3.4	UG/KG	8.6	3.4	U	076SS-0021M-0001-SO	0.67	1.7	0.67	U	N/A	Yes
076SS-0020M-0001-SO	ENDRIN ALDEHYDE	6.7	UG/KG	15	6.7	U	076SS-0021M-0001-SO	1.3	3	1.3	U	N/A	Yes
076SS-0020M-0001-SO	ENDRIN KETONE	3.4	UG/KG	10	3.4	U	076SS-0021M-0001-SO	0.67	2	0.67	U	N/A	Yes
076SS-0020M-0001-SO	GAMMA BHC (LINDANE)	6.7	UG/KG	13	6.7	U	076SS-0021M-0001-SO	1.3	2.5	1.3	U	N/A	Yes
076SS-0020M-0001-SO	GAMMA-CHLORDANE	3.4	UG/KG	8.6	3.4	U	076SS-0021M-0001-SO	0.67	1.7	0.67	U	N/A	Yes
076SS-0020M-0001-SO	HEPTACHLOR	6.7	UG/KG	18	6.7	U	076SS-0021M-0001-SO	1.3	3.5	1.3	U	N/A	Yes
076SS-0020M-0001-SO	HEPTACHLOR EPOXIDE	6.7	UG/KG	13	6.7	U	076SS-0021M-0001-SO	1.3	2.5	1.3	U	N/A	Yes
076SS-0020M-0001-SO	METHOXYCHLOR	17	UG/KG	25	17	U	076SS-0021M-0001-SO	1.3	5	3.3	U	N/A	Yes
076SS-0020M-0001-SO	P,P'-DDD	3.4	UG/KG	10	3.4	U	076SS-0021M-0001-SO	0.67	2	0.67	U	N/A	Yes
076SS-0020M-0001-SO	P,P'-DDE	3.4	UG/KG	8.6	3.4	U	076SS-0021M-0001-SO	0.67	1.7	0.67	U	N/A	Yes
076SS-0020M-0001-SO	P,P'-DDT	3.4	UG/KG	10	3.4	U	076SS-0021M-0001-SO	0.67	2	0.67	U	N/A	Yes
076SS-0020M-0001-SO	TOXAPHENE	100	UG/KG	340	100	UJ	076SS-0021M-0001-SO	20	67	20	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SS-0020M-0001-SO	AROCLOR 1016	25	UG/KG	66	25	U	076SS-0021M-0001-SO	25	65	25	U	N/A	Yes
076SS-0020M-0001-SO	AROCLOR 1221	25	UG/KG	51	25	U	076SS-0021M-0001-SO	25	50	25	U	N/A	Yes
076SS-0020M-0001-SO	AROCLOR 1232	25	UG/KG	46	25	U	076SS-0021M-0001-SO	25	45	25	U	N/A	Yes
076SS-0020M-0001-SO	AROCLOR 1242	25	UG/KG	40	25	U	076SS-0021M-0001-SO	25	40	25	U	N/A	Yes
076SS-0020M-0001-SO	AROCLOR 1248	25	UG/KG	56	25	U	076SS-0021M-0001-SO	25	55	25	U	N/A	Yes
076SS-0020M-0001-SO	AROCLOR 1254	25	UG/KG	56	25	U	076SS-0021M-0001-SO	25	55	25	U	N/A	Yes
076SS-0020M-0001-SO	AROCLOR 1260	25	UG/KG	56	25	U	076SS-0021M-0001-SO	25	55	25	U	N/A	Yes
076SS-0020M-0001-SO	1,1,1-TRICHLOROETHANE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	1,1,2-TRICHLOROETHANE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	1,1-DICHLOROETHANE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	1,1-DICHLOROETHENE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	1,2-DIBROMOETHANE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	1,2-DICHLOROETHANE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	1,2-DICHLOROPROPANE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	2-HEXANONE	1.2	UG/KG	23	1.2	U	076SS-0021M-0001-SO	1.2	24	1.2	U	N/A	Yes
076SS-0020M-0001-SO	ACETONE	26	UG/KG	23	7.3	U	076SS-0021M-0001-SO	120	24	7.4		N/A	No
076SS-0020M-0001-SO	BENZENE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	BROMOCHLOROMETHANE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	BROMODICHLOROMETHANE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	BROMOFORM	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	BROMOMETHANE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	CARBON DISULFIDE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	CARBON TETRACHLORIDE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	CHLOROBENZENE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	CHLOROETHANE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	CHLOROFORM	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	CHLOROMETHANE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	DIBROMOCHLOROMETHANE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	ETHYLBENZENE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	METHYL ETHYL KETONE	2.3	UG/KG	23	2.3	U	076SS-0021M-0001-SO	6.4	24	2.4	J	N/A	Yes
076SS-0020M-0001-SO	METHYL ISOBUTYL KETONE	1.2	UG/KG	23	1.2	U	076SS-0021M-0001-SO	1.2	24	1.2	U	N/A	Yes
076SS-0020M-0001-SO	METHYLENE CHLORIDE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	STYRENE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	TERT-BUTYL METHYL ETHER	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SS-0020M-0001-SO	TETRACHLOROETHYLENE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	TOLUENE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.36	5.9	0.59	J	N/A	Yes
076SS-0020M-0001-SO	TOTAL 1,2-DICHLOROETHENE	1.2	UG/KG	12	1.2	U	076SS-0021M-0001-SO	1.2	12	1.2	U	N/A	Yes
076SS-0020M-0001-SO	TRANS-1,3-DICHLOROPROPENE	1.2	UG/KG	5.8	1.2	U	076SS-0021M-0001-SO	1.2	5.9	1.2	U	N/A	Yes
076SS-0020M-0001-SO	TRICHLOROETHYLENE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	VINYL CHLORIDE	0.58	UG/KG	5.8	0.58	U	076SS-0021M-0001-SO	0.59	5.9	0.59	U	N/A	Yes
076SS-0020M-0001-SO	XYLENES, TOTAL	1.7	UG/KG	12	1.7	U	076SS-0021M-0001-SO	1.8	12	1.8	U	N/A	Yes
076SS-0020M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	1,4-DICHLOROBENZENE	33	UG/KG	49	27	J	076SS-0021M-0001-SO	26	50	27	J	N/A	Yes
076SS-0020M-0001-SO	2,2'-OXYBIS(1-CHLORO)PROPANE	27	UG/KG	98	27	U	076SS-0021M-0001-SO	27	100	27	U	N/A	Yes
076SS-0020M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	076SS-0021M-0001-SO	27	150	27	U	N/A	Yes
076SS-0020M-0001-SO	2,4,6-TRICHLOROPHENOL	79	UG/KG	150	79	U	076SS-0021M-0001-SO	81	150	81	U	N/A	Yes
076SS-0020M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	076SS-0021M-0001-SO	27	150	27	U	N/A	Yes
076SS-0020M-0001-SO	2,4-DIMETHYLPHENOL	79	UG/KG	150	79	U	076SS-0021M-0001-SO	81	150	81	U	N/A	Yes
076SS-0020M-0001-SO	2,4-DINITROPHENOL	79	UG/KG	330	79	U	076SS-0021M-0001-SO	81	330	81	U	N/A	Yes
076SS-0020M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	076SS-0021M-0001-SO	27	200	27	U	N/A	Yes
076SS-0020M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	076SS-0021M-0001-SO	27	200	27	U	N/A	Yes
076SS-0020M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	49	3.3	U	076SS-0021M-0001-SO	3.3	50	3.3	U	N/A	Yes
076SS-0020M-0001-SO	2-CHLOROPHENOL	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	2-METHYLNAPHTHALENE	18	UG/KG	6.6	3.3		076SS-0021M-0001-SO	15	6.7	3.3		N/A	Yes
076SS-0020M-0001-SO	2-METHYLPHENOL	79	UG/KG	200	79	U	076SS-0021M-0001-SO	81	200	81	U	N/A	Yes
076SS-0020M-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	076SS-0021M-0001-SO	27	200	27	U	N/A	Yes
076SS-0020M-0001-SO	2-NITROPHENOL	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	3,3'-DICHLOROBENZIDINE	79	UG/KG	98	79	R	076SS-0021M-0001-SO	81	100	81	U	N/A	N/A
076SS-0020M-0001-SO	3-NITROANILINE	79	UG/KG	200	79	R	076SS-0021M-0001-SO	81	200	81	U	N/A	N/A
076SS-0020M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	79	UG/KG	150	79	U	076SS-0021M-0001-SO	81	150	81	U	N/A	Yes
076SS-0020M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	076SS-0021M-0001-SO	27	150	27	U	N/A	Yes
076SS-0020M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	R	076SS-0021M-0001-SO	27	150	27	U	N/A	N/A
076SS-0020M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	4-NITROANILINE	27	UG/KG	200	27	UJ	076SS-0021M-0001-SO	27	200	27	U	N/A	Yes
076SS-0020M-0001-SO	4-NITROPHENOL	79	UG/KG	330	79	U	076SS-0021M-0001-SO	81	330	81	U	N/A	Yes
076SS-0020M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.6	3.3	U	076SS-0021M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
076SS-0020M-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.6	3.3	U	076SS-0021M-0001-SO	3.3	6.7	3.3	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SS-0020M-0001-SO	ANTHRACENE	3.3	UG/KG	6.6	3.3	U	076SS-0021M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
076SS-0020M-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.6	3.3	U	076SS-0021M-0001-SO	8.6	6.7	3.3		N/A	Yes
076SS-0020M-0001-SO	BENZO(A)PYRENE	19	UG/KG	6.6	3.3		076SS-0021M-0001-SO	17	6.7	3.3		N/A	Yes
076SS-0020M-0001-SO	BENZO(B)FLUORANTHENE	19	UG/KG	6.6	3.3		076SS-0021M-0001-SO	18	6.7	3.3		N/A	Yes
076SS-0020M-0001-SO	BENZO(G,H,I)PERYLENE	10	UG/KG	6.6	3.3		076SS-0021M-0001-SO	7.3	6.7	3.3		N/A	Yes
076SS-0020M-0001-SO	BENZO(K)FLUORANTHENE	9.7	UG/KG	6.6	3.3		076SS-0021M-0001-SO	5.7	6.7	3.3	J	N/A	Yes
076SS-0020M-0001-SO	BENZOIC ACID	330	UG/KG	650	330	U	076SS-0021M-0001-SO	340	660	340	U	N/A	Yes
076SS-0020M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	076SS-0021M-0001-SO	27	330	27	U	N/A	Yes
076SS-0020M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	98	27	U	076SS-0021M-0001-SO	27	100	27	U	N/A	Yes
076SS-0020M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	98	3.3	U	076SS-0021M-0001-SO	3.3	100	3.3	U	N/A	Yes
076SS-0020M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	36	UG/KG	49	27	U	076SS-0021M-0001-SO	41	50	27	J	N/A	Yes
076SS-0020M-0001-SO	CARBAZOLE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	CHRYSENE	3.3	UG/KG	6.6	3.3	U	076SS-0021M-0001-SO	15	6.7	3.3		N/A	No
076SS-0020M-0001-SO	CRESOLS, M & P	79	UG/KG	390	79	U	076SS-0021M-0001-SO	81	400	81	U	N/A	Yes
076SS-0020M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.6	3.3	U	076SS-0021M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
076SS-0020M-0001-SO	DIBENZOFURAN	7	UG/KG	49	3.3	J	076SS-0021M-0001-SO	5.6	50	3.3	J	N/A	Yes
076SS-0020M-0001-SO	DIETHYL PHTHALATE	21	UG/KG	49	27	U	076SS-0021M-0001-SO	20	50	27	J	N/A	Yes
076SS-0020M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	DI-N-BUTYL PHTHALATE	16	UG/KG	49	27	J	076SS-0021M-0001-SO	19	50	27	J	N/A	Yes
076SS-0020M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	FLUORANTHENE	28	UG/KG	6.6	3.3		076SS-0021M-0001-SO	21	6.7	3.3		N/A	No
076SS-0020M-0001-SO	FLUORENE	4.7	UG/KG	6.6	3.3	J	076SS-0021M-0001-SO	4	6.7	3.3	J	N/A	Yes
076SS-0020M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.6	3.3	U	076SS-0021M-0001-SO	3.3	6.7	3.3	U	N/A	Yes
076SS-0020M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	076SS-0021M-0001-SO	27	330	27	U	N/A	Yes
076SS-0020M-0001-SO	HEXACHLOROETHANE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	INDENO(1,2,3-C,D)PYRENE	13	UG/KG	6.6	3.3		076SS-0021M-0001-SO	12	6.7	3.3		N/A	Yes
076SS-0020M-0001-SO	ISOPHORONE	20	UG/KG	49	27	J	076SS-0021M-0001-SO	19	50	27	J	N/A	Yes
076SS-0020M-0001-SO	NAPHTHALENE	20	UG/KG	6.6	3.3		076SS-0021M-0001-SO	17	6.7	3.3		N/A	Yes
076SS-0020M-0001-SO	NITROBENZENE	3.3	UG/KG	98	3.3	U	076SS-0021M-0001-SO	3.3	100	3.3	U	N/A	Yes
076SS-0020M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes
076SS-0020M-0001-SO	PENTACHLOROPHENOL	79	UG/KG	150	79	U	076SS-0021M-0001-SO	81	150	81	U	N/A	Yes
076SS-0020M-0001-SO	PHENANTHRENE	22	UG/KG	6.6	3.3		076SS-0021M-0001-SO	16	6.7	3.3		N/A	Yes
076SS-0020M-0001-SO	PHENOL	27	UG/KG	49	27	U	076SS-0021M-0001-SO	27	50	27	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SS-0020M-0001-SO	PYRENE	19	UG/KG	6.6	3.3		076SS-0021M-0001-SO	15	6.7	3.3		N/A	Yes
076SS-0020M-0001-SO	1,3,5-TRINITROBENZENE	0.05	MG/KG	0.25	0.05	U	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	1,3-DINITROBENZENE	0.05	MG/KG	0.25	0.05	U	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	2,4,6-TRINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	2,4-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	R	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	N/A
076SS-0020M-0001-SO	2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	R	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	N/A
076SS-0020M-0001-SO	2-AMINO-4,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	2-NITROTOLUENE	0.05	MG/KG	0.25	0.05	UJ	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	3-NITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	4-AMINO-2,6-DINITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	4-NITROTOLUENE	0.05	MG/KG	0.25	0.05	U	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	HMX	0.05	MG/KG	0.25	0.05	U	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	NITROBENZENE	0.05	MG/KG	0.25	0.05	R	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	N/A
076SS-0020M-0001-SO	NITROGLYCERIN	0.25	MG/KG	0.5	0.25	U	076SS-0021M-0001-SO	0.24	0.48	0.24	U	N/A	Yes
076SS-0020M-0001-SO	NITROGUANIDINE	0.04	MG/KG	0.25	0.04	U	076SS-0021M-0001-SO	0.04	0.25	0.04	U	N/A	Yes
076SS-0020M-0001-SO	PETN	0.25	MG/KG	0.5	0.25	U	076SS-0021M-0001-SO	0.24	0.48	0.24	U	N/A	Yes
076SS-0020M-0001-SO	RDX	0.05	MG/KG	0.25	0.05	UJ	076SS-0021M-0001-SO	0.048	0.24	0.048	U	N/A	Yes
076SS-0020M-0001-SO	TETRYL	0.041	MG/KG	0.25	0.05	NJ	076SS-0021M-0001-SO	0.03	0.24	0.048	J	N/A	Yes
076SW-0013-0001-SW	NITROCELLULOSE	1	MG/L	2	1	U	076SW-0014-0001-SW	1	2	1	U	N/A	Yes
076SW-0013-0001-SW	AROCLOR 1016	0.19	UG/L	0.48	0.19	U	076SW-0014-0001-SW	0.2	0.5	0.2	U	N/A	Yes
076SW-0013-0001-SW	AROCLOR 1221	0.19	UG/L	0.48	0.19	U	076SW-0014-0001-SW	0.2	0.5	0.2	U	N/A	Yes
076SW-0013-0001-SW	AROCLOR 1232	0.19	UG/L	0.48	0.19	U	076SW-0014-0001-SW	0.2	0.5	0.2	U	N/A	Yes
076SW-0013-0001-SW	AROCLOR 1242	0.38	UG/L	0.48	0.38	U	076SW-0014-0001-SW	0.4	0.5	0.4	U	N/A	Yes
076SW-0013-0001-SW	AROCLOR 1248	0.19	UG/L	0.48	0.19	U	076SW-0014-0001-SW	0.2	0.5	0.2	U	N/A	Yes
076SW-0013-0001-SW	AROCLOR 1254	0.19	UG/L	0.48	0.19	U	076SW-0014-0001-SW	0.2	0.5	0.2	U	N/A	Yes
076SW-0013-0001-SW	AROCLOR 1260	0.19	UG/L	0.48	0.19	U	076SW-0014-0001-SW	0.2	0.5	0.2	U	N/A	Yes
076SW-0013-0001-SW	1,3,5-TRINITROBENZENE	0.051	UG/L	0.1	0.051	U	076SW-0014-0001-SW	0.052	0.1	0.052	U	N/A	Yes
076SW-0013-0001-SW	1,3-DINITROBENZENE	0.1	UG/L	0.1	0.1	U	076SW-0014-0001-SW	0.1	0.1	0.1	U	N/A	Yes
076SW-0013-0001-SW	2,4,6-TRINITROTOLUENE	0.1	UG/L	0.1	0.1	U	076SW-0014-0001-SW	0.1	0.1	0.1	U	N/A	Yes
076SW-0013-0001-SW	2,4-DINITROTOLUENE	0.1	UG/L	0.1	0.1	U	076SW-0014-0001-SW	0.1	0.1	0.1	U	N/A	Yes
076SW-0013-0001-SW	2,6-DINITROTOLUENE	0.1	UG/L	0.1	0.1	U	076SW-0014-0001-SW	0.1	0.1	0.1	U	N/A	Yes
076SW-0013-0001-SW	2-AMINO-4,6-DINITROTOLUENE	0.1	UG/L	0.2	0.1	U	076SW-0014-0001-SW	0.1	0.21	0.1	U	N/A	Yes
076SW-0013-0001-SW	2-NITROTOLUENE	0.1	UG/L	0.51	0.1	U	076SW-0014-0001-SW	0.1	0.52	0.1	U	N/A	Yes
076SW-0013-0001-SW	3-NITROTOLUENE	0.1	UG/L	0.51	0.1	U	076SW-0014-0001-SW	0.1	0.52	0.1	U	N/A	Yes
076SW-0013-0001-SW	4-AMINO-2,6-DINITROTOLUENE	0.1	UG/L	0.1	0.1	U	076SW-0014-0001-SW	0.1	0.1	0.1	U	N/A	Yes
076SW-0013-0001-SW	4-NITROTOLUENE	0.1	UG/L	0.51	0.1	U	076SW-0014-0001-SW	0.1	0.52	0.1	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	RPD	W/In LOQ
076SW-0013-0001-SW	HMX	0.051	UG/L	0.1	0.051	U	076SW-0014-0001-SW	0.052	0.1	0.052	U	N/A	Yes
076SW-0013-0001-SW	NITROBENZENE	0.1	UG/L	0.1	0.1	U	076SW-0014-0001-SW	0.1	0.1	0.1	U	N/A	Yes
076SW-0013-0001-SW	NITROGLYCERIN	0.51	UG/L	0.66	0.51	U	076SW-0014-0001-SW	0.52	0.67	0.52	U	N/A	Yes
076SW-0013-0001-SW	NITROGUANIDINE	6	UG/L	20	6	U	076SW-0014-0001-SW	6	20	6	U	N/A	Yes
076SW-0013-0001-SW	PETN	0.51	UG/L	0.66	0.51	U	076SW-0014-0001-SW	0.52	0.67	0.52	U	N/A	Yes
076SW-0013-0001-SW	RDX	0.051	UG/L	0.1	0.051	U	076SW-0014-0001-SW	0.052	0.1	0.052	U	N/A	Yes
076SW-0013-0001-SW	TETRYL	0.1	UG/L	0.1	0.1	U	076SW-0014-0001-SW	0.1	0.1	0.1	U	N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
078SB-0009M-0001-SO	1,1,1-TRICHLOROETHANE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	1,1,2-TRICHLOROETHANE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	1,1-DICHLOROETHANE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	1,1-DICHLOROETHENE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	1,2-DIBROMOETHANE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	1,2-DICHLOROETHANE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	1,2-DICHLOROPROPANE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	2-HEXANONE	1.2	UG/KG	25	1.2	U	078SB-0056M-0001-SO	1.1	21	1.1	U		N/A	Yes
078SB-0009M-0001-SO	ACETONE	7.8	UG/KG	25	7.8	U	078SB-0056M-0001-SO	6.7	21	6.7	U		N/A	Yes
078SB-0009M-0001-SO	BENZENE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	BROMOCHLOROMETHANE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	BROMODICHLOROMETHANE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	BROMOFORM	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	BROMOMETHANE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	CARBON DISULFIDE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	CARBON TETRACHLORIDE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	CHLOROBENZENE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	CHLOROETHANE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	CHLOROFORM	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	CHLOROMETHANE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	DIBROMOCHLOROMETHANE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	ETHYLBENZENE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	METHYL ETHYL KETONE	2.5	UG/KG	25	2.5	U	078SB-0056M-0001-SO	2.1	21	2.1	U		N/A	Yes
078SB-0009M-0001-SO	METHYL ISOBUTYL KETONE	1.2	UG/KG	25	1.2	U	078SB-0056M-0001-SO	1.1	21	1.1	U		N/A	Yes
078SB-0009M-0001-SO	METHYLENE CHLORIDE	1.2	UG/KG	6.2	1.2	J	078SB-0056M-0001-SO	1.1	5.4	1.1	J		N/A	Yes
078SB-0009M-0001-SO	STYRENE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	TETRACHLOROETHYLENE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	TOLUENE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	TOTAL 1,2-DICHLOROETHENE	1.2	UG/KG	12	1.2	U	078SB-0056M-0001-SO	1.1	11	1.1	U		N/A	Yes
078SB-0009M-0001-SO	TRANS-1,3-DICHLOROPROPENE	1.2	UG/KG	6.2	1.2	U	078SB-0056M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0009M-0001-SO	TRICHLOROETHYLENE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	VINYL CHLORIDE	0.62	UG/KG	6.2	0.62	U	078SB-0056M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0009M-0001-SO	XYLENES, TOTAL	1.9	UG/KG	12	1.9	U	078SB-0056M-0001-SO	1.6	11	1.6	U		N/A	Yes
078SB-0017M-0001-SO	NITROCELLULOSE	1.8	MG/KG	5	1.8		078SB-0018M-0001-SO	1.8	5	1.8	U		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
078SB-0017M-0001-SO	ALUMINUM	720	MG/KG	2.9	0.58		078SB-0018M-0001-SO	760	2.7	0.54			5	N/A
078SB-0017M-0001-SO	ANTIMONY	0.35	MG/KG	0.19	0.097		078SB-0018M-0001-SO	0.21	0.18	0.09			N/A	Yes
078SB-0017M-0001-SO	ARSENIC	0.62	MG/KG	0.1	0.049		078SB-0018M-0001-SO	0.74	0.09	0.045			18	N/A
078SB-0017M-0001-SO	BARIUM	16	MG/KG	0.97	0.019		078SB-0018M-0001-SO	16	0.9	0.018			0	N/A
078SB-0017M-0001-SO	BERYLLIUM	0.098	MG/KG	0.1	0.0097		078SB-0018M-0001-SO	0.11	0.09	0.009			N/A	Yes
078SB-0017M-0001-SO	CADMIUM	0.056	MG/KG	0.1	0.029	J	078SB-0018M-0001-SO	0.07	0.09	0.027			N/A	Yes
078SB-0017M-0001-SO	CALCIUM	95	MG/KG	9.7	2.4		078SB-0018M-0001-SO	95	9	2.3			0	N/A
078SB-0017M-0001-SO	CHROMIUM	1.6	MG/KG	0.19	0.039		078SB-0018M-0001-SO	2	0.18	0.036			22	N/A
078SB-0017M-0001-SO	COBALT	1.7	MG/KG	0.05	0.0097		078SB-0018M-0001-SO	1.5	0.05	0.009			13	N/A
078SB-0017M-0001-SO	COPPER	2.8	MG/KG	0.19	0.058		078SB-0018M-0001-SO	2.9	0.18	0.054			4	N/A
078SB-0017M-0001-SO	IRON	4600	MG/KG	4.9	1.9		078SB-0018M-0001-SO	6000	4.5	1.8			26	N/A
078SB-0017M-0001-SO	LEAD	6	MG/KG	0.1	0.029		078SB-0018M-0001-SO	7.4	0.09	0.027			21	N/A
078SB-0017M-0001-SO	MAGNESIUM	140	MG/KG	9.7	1.9		078SB-0018M-0001-SO	150	9	1.8			7	N/A
078SB-0017M-0001-SO	MANGANESE	130	MG/KG	0.49	0.029		078SB-0018M-0001-SO	120	0.45	0.027			8	N/A
078SB-0017M-0001-SO	NICKEL	2.4	MG/KG	0.1	0.029		078SB-0018M-0001-SO	2.5	0.09	0.027			4	N/A
078SB-0017M-0001-SO	POTASSIUM	260	MG/KG	9.7	5.8		078SB-0018M-0001-SO	240	9	5.4			8	N/A
078SB-0017M-0001-SO	SELENIUM	0.097	MG/KG	0.49	0.097	U	078SB-0018M-0001-SO	0.09	0.45	0.09	U		N/A	Yes
078SB-0017M-0001-SO	SILVER	0.029	MG/KG	0.1	0.029	U	078SB-0018M-0001-SO	0.03	0.09	0.027	U		N/A	Yes
078SB-0017M-0001-SO	SODIUM	14	MG/KG	9.7	4.9		078SB-0018M-0001-SO	13	9	4.5			N/A	Yes
078SB-0017M-0001-SO	THALLIUM	0.03	MG/KG	0.1	0.019	J	078SB-0018M-0001-SO	0.03	0.09	0.018	J		N/A	Yes
078SB-0017M-0001-SO	VANADIUM	1.7	MG/KG	0.1	0.058		078SB-0018M-0001-SO	2.1	0.09	0.054			21	N/A
078SB-0017M-0001-SO	ZINC	16	MG/KG	0.49	0.19		078SB-0018M-0001-SO	18	0.45	0.18			12	N/A
078SB-0017M-0001-SO	MERCURY	0.038	MG/KG	0.1	0.034	J	078SB-0018M-0001-SO	0.04	0.1	0.034	J		N/A	Yes
078SB-0017M-0001-SO	PCB-1016	25	UG/KG	66	25		078SB-0018M-0001-SO	25	65	25	U		N/A	Yes
078SB-0017M-0001-SO	PCB-1221	25	UG/KG	51	25		078SB-0018M-0001-SO	25	50	25	U		N/A	Yes
078SB-0017M-0001-SO	PCB-1232	25	UG/KG	45	25		078SB-0018M-0001-SO	25	45	25	U		N/A	Yes
078SB-0017M-0001-SO	PCB-1242	25	UG/KG	40	25		078SB-0018M-0001-SO	25	40	25	U		N/A	Yes
078SB-0017M-0001-SO	PCB-1248	25	UG/KG	56	25		078SB-0018M-0001-SO	25	55	25	U		N/A	Yes
078SB-0017M-0001-SO	PCB-1254	25	UG/KG	56	25		078SB-0018M-0001-SO	25	55	25	U		N/A	Yes
078SB-0017M-0001-SO	PCB-1260	25	UG/KG	56	25		078SB-0018M-0001-SO	25	55	25	U		N/A	Yes
078SB-0017M-0001-SO	1,1,1-TRICHLOROETHANE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0017M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	1,1,2-TRICHLOROETHANE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	1,1-DICHLOROETHANE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	1,1-DICHLOROETHENE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0017M-0001-SO	1,2-DIBROMOETHANE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
078SB-0017M-0001-SO	1,2-DICHLOROETHANE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	1,2-DICHLOROPROPANE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0017M-0001-SO	2-HEXANONE	1.1	UG/KG	22	1.1	U	078SB-0018M-0001-SO	1.1	22	1.1	U		N/A	Yes
078SB-0017M-0001-SO	ACETONE	7.8	UG/KG	22	7	J	078SB-0018M-0001-SO	6.8	22	6.8	U		N/A	Yes
078SB-0017M-0001-SO	BENZENE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	BROMOCHLOROMETHANE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0017M-0001-SO	BROMODICHLOROMETHANE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	BROMOFORM	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	BROMOMETHANE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0017M-0001-SO	CARBON DISULFIDE	3.4	UG/KG	5.6	0.56	J	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	CARBON TETRACHLORIDE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	CHLOROBENZENE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	CHLOROETHANE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0017M-0001-SO	CHLOROFORM	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	CHLOROMETHANE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	DIBROMOCHLOROMETHANE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0017M-0001-SO	ETHYLBENZENE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	METHYL ETHYL KETONE	2.2	UG/KG	22	2.2	U	078SB-0018M-0001-SO	2.2	22	2.2	U		N/A	Yes
078SB-0017M-0001-SO	METHYL ISOBUTYL KETONE	1.1	UG/KG	22	1.1	U	078SB-0018M-0001-SO	1.1	22	1.1	U		N/A	Yes
078SB-0017M-0001-SO	METHYLENE CHLORIDE	1.1	UG/KG	5.6	1.1	J	078SB-0018M-0001-SO	1.1	5.4	1.1	J		N/A	Yes
078SB-0017M-0001-SO	STYRENE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	TETRACHLOROETHYLENE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0017M-0001-SO	TOLUENE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	TOTAL 1,2-DICHLOROETHENE	1.1	UG/KG	11	1.1	U	078SB-0018M-0001-SO	1.1	11	1.1	U		N/A	Yes
078SB-0017M-0001-SO	TRANS-1,3-DICHLOROPROPENE	1.1	UG/KG	5.6	1.1	U	078SB-0018M-0001-SO	1.1	5.4	1.1	U		N/A	Yes
078SB-0017M-0001-SO	TRICHLOROETHYLENE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	VINYL CHLORIDE	0.56	UG/KG	5.6	0.56	U	078SB-0018M-0001-SO	0.54	5.4	0.54	U		N/A	Yes
078SB-0017M-0001-SO	XYLENES, TOTAL	1.7	UG/KG	11	1.7	U	078SB-0018M-0001-SO	1.6	11	1.6	U		N/A	Yes
078SB-0017M-0001-SO	1,2,4-TRICHLOROBENZENE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	1,2-DICHLOROBENZENE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	1,3-DICHLOROBENZENE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	1,4-DICHLOROBENZENE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	2,4,5-TRICHLOROPHENOL	27	UG/KG	150	27	U	078SB-0018M-0001-SO	27	150	27	U		N/A	Yes
078SB-0017M-0001-SO	2,4,6-TRICHLOROPHENOL	81	UG/KG	150	81	U	078SB-0018M-0001-SO	81	150	81	U		N/A	Yes
078SB-0017M-0001-SO	2,4-DICHLOROPHENOL	27	UG/KG	150	27	U	078SB-0018M-0001-SO	27	150	27	U		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
078SB-0017M-0001-SO	2,4-DIMETHYLPHENOL	81	UG/KG	150	81	U	078SB-0018M-0001-SO	81	150	81	U		N/A	Yes
078SB-0017M-0001-SO	2,4-DINITROPHENOL	81	UG/KG	330	81	U	078SB-0018M-0001-SO	81	340	81	U		N/A	Yes
078SB-0017M-0001-SO	2,4-DINITROTOLUENE	27	UG/KG	200	27	U	078SB-0018M-0001-SO	27	200	27	U		N/A	Yes
078SB-0017M-0001-SO	2,6-DINITROTOLUENE	27	UG/KG	200	27	U	078SB-0018M-0001-SO	27	200	27	U		N/A	Yes
078SB-0017M-0001-SO	2-CHLORONAPHTHALENE	3.3	UG/KG	50	3.3	U	078SB-0018M-0001-SO	3.4	51	3.4	U		N/A	Yes
078SB-0017M-0001-SO	2-CHLOROPHENOL	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	2-METHYLNAPHTHALENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	2-METHYLPHENOL (O-CRESOL)	81	UG/KG	200	81	U	078SB-0018M-0001-SO	81	200	81	U		N/A	Yes
078SB-0017M-0001-SO	2-NITROANILINE	27	UG/KG	200	27	U	078SB-0018M-0001-SO	27	200	27	U		N/A	Yes
078SB-0017M-0001-SO	2-NITROPHENOL	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	3,3'-DICHLOROBENZIDINE	81	UG/KG	100	81	U	078SB-0018M-0001-SO	81	100	81	U		N/A	Yes
078SB-0017M-0001-SO	3-NITROANILINE	81	UG/KG	200	81	U	078SB-0018M-0001-SO	81	200	81	U		N/A	Yes
078SB-0017M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	81	UG/KG	150	81	U	078SB-0018M-0001-SO	81	150	81	U		N/A	Yes
078SB-0017M-0001-SO	4-BROMOPHENYL PHENYL ETHER	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	4-CHLORO-3-METHYLPHENOL	27	UG/KG	150	27	U	078SB-0018M-0001-SO	27	150	27	U		N/A	Yes
078SB-0017M-0001-SO	4-CHLOROANILINE	27	UG/KG	150	27	U	078SB-0018M-0001-SO	27	150	27	U		N/A	Yes
078SB-0017M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	4-NITROANILINE	27	UG/KG	200	27	U	078SB-0018M-0001-SO	27	200	27	U		N/A	Yes
078SB-0017M-0001-SO	4-NITROPHENOL	81	UG/KG	330	81	U	078SB-0018M-0001-SO	81	340	81	U		N/A	Yes
078SB-0017M-0001-SO	ACENAPHTHENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	ACENAPHTHYLENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	ANTHRACENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	BENZO(A)ANTHRACENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	BENZO(A)PYRENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	BENZO(B)FLUORANTHENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	BENZO(G,H,I)PERYLENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	BENZO(K)FLUORANTHENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	BENZOIC ACID	340	UG/KG	660	340	U	078SB-0018M-0001-SO	340	670	340	U		N/A	Yes
078SB-0017M-0001-SO	BENZYL ALCOHOL	27	UG/KG	330	27	U	078SB-0018M-0001-SO	27	340	27	U		N/A	Yes
078SB-0017M-0001-SO	BENZYL BUTYL PHTHALATE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	27	UG/KG	100	27	U	078SB-0018M-0001-SO	27	100	27	U		N/A	Yes
078SB-0017M-0001-SO	BIS(2-CHLOROETHYL) ETHER	3.3	UG/KG	100	3.3	U	078SB-0018M-0001-SO	3.4	100	3.4	U		N/A	Yes
078SB-0017M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	27	UG/KG	100	27	U	078SB-0018M-0001-SO	27	100	27	U		N/A	Yes
078SB-0017M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	35	UG/KG	50	27	J	078SB-0018M-0001-SO	41	51	27	J		N/A	Yes
078SB-0017M-0001-SO	CARBAZOLE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	CHRYSENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
078SB-0017M-0001-SO	CRESOLS, M & P	81	UG/KG	400	81	U	078SB-0018M-0001-SO	81	410	81	U		N/A	Yes
078SB-0017M-0001-SO	DIBENZ(A,H)ANTHRACENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	DIBENZOFURAN	3.3	UG/KG	50	3.3	U	078SB-0018M-0001-SO	3.4	51	3.4	U		N/A	Yes
078SB-0017M-0001-SO	DIETHYL PHTHALATE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	DIMETHYL PHTHALATE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	DI-N-BUTYL PHTHALATE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	DI-N-OCTYLPHTHALATE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	FLUORANTHENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	FLUORENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	HEXACHLOROBENZENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	HEXACHLOROBUTADIENE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	HEXACHLOROCYCLOPENTADIENE	27	UG/KG	330	27	U	078SB-0018M-0001-SO	27	340	27	U		N/A	Yes
078SB-0017M-0001-SO	HEXACHLOROETHANE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	INDENO(1,2,3-C,D)PYRENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	ISOPHORONE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	NAPHTHALENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	NITROBENZENE	3.3	UG/KG	100	3.3	U	078SB-0018M-0001-SO	3.4	100	3.4	U		N/A	Yes
078SB-0017M-0001-SO	N-NITROSODI-N-PROPYLAMINE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	N-NITROSODIPHENYLAMINE	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	PENTACHLOROPHENOL	81	UG/KG	150	81	U	078SB-0018M-0001-SO	81	150	81	U		N/A	Yes
078SB-0017M-0001-SO	PHENANTHRENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	5.5	6.8	3.4	J		N/A	Yes
078SB-0017M-0001-SO	PHENOL	27	UG/KG	50	27	U	078SB-0018M-0001-SO	27	51	27	U		N/A	Yes
078SB-0017M-0001-SO	PYRENE	3.3	UG/KG	6.7	3.3	U	078SB-0018M-0001-SO	3.4	6.8	3.4	U		N/A	Yes
078SB-0017M-0001-SO	NITROGUANIDINE	0.038	MG/KG	0.24	0.038		078SB-0018M-0001-SO	0.04	0.25	0.04	U		N/A	Yes
078SB-0025M-0001-SO	NITROCELLULOSE	0.89	MG/KG	4.7	1.7		078SB-0026M-0001-SO	1.7	4.8	1.7	U		N/A	Yes
078SB-0025M-0001-SO	ALUMINUM	1800	MG/KG	2.9	0.57		078SB-0026M-0001-SO	3300	2.6	0.53			59	N/A
078SB-0025M-0001-SO	ANTIMONY	0.095	MG/KG	0.19	0.095	U	078SB-0026M-0001-SO	0.05	0.18	0.088	J		N/A	Yes
078SB-0025M-0001-SO	ARSENIC	0.94	MG/KG	0.1	0.048		078SB-0026M-0001-SO	1.8	0.09	0.044			63	N/A
078SB-0025M-0001-SO	BARIUM	13	MG/KG	0.95	0.019		078SB-0026M-0001-SO	19	0.88	0.018			38	N/A
078SB-0025M-0001-SO	BERYLLIUM	0.22	MG/KG	0.1	0.0095		078SB-0026M-0001-SO	0.45	0.09	0.009			69	N/A
078SB-0025M-0001-SO	CADMIUM	0.095	MG/KG	0.1	0.029		078SB-0026M-0001-SO	0.16	0.09	0.026			N/A	Yes
078SB-0025M-0001-SO	CALCIUM	100	MG/KG	9.5	2.4		078SB-0026M-0001-SO	180	8.8	2.2			57	N/A
078SB-0025M-0001-SO	CHROMIUM	4	MG/KG	0.19	0.038		078SB-0026M-0001-SO	7.3	0.18	0.035			58	N/A
078SB-0025M-0001-SO	COBALT	2.6	MG/KG	0.05	0.0095		078SB-0026M-0001-SO	5.5	0.04	0.009			72	N/A
078SB-0025M-0001-SO	COPPER	4.1	MG/KG	0.19	0.057		078SB-0026M-0001-SO	11	0.18	0.053			91	N/A
078SB-0025M-0001-SO	IRON	12000	MG/KG	4.8	1.9		078SB-0026M-0001-SO	#####	4.4	1.8			34	N/A

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
078SB-0025M-0001-SO	LEAD	6	MG/KG	0.1	0.029		078SB-0026M-0001-SO	9.2	0.09	0.026			42	N/A
078SB-0025M-0001-SO	MAGNESIUM	930	MG/KG	9.5	1.9		078SB-0026M-0001-SO	1700	8.8	1.8			59	N/A
078SB-0025M-0001-SO	MANGANESE	290	MG/KG	0.48	0.029		078SB-0026M-0001-SO	390	0.44	0.026			29	N/A
078SB-0025M-0001-SO	NICKEL	6.7	MG/KG	0.1	0.029		078SB-0026M-0001-SO	11	0.09	0.026			49	N/A
078SB-0025M-0001-SO	POTASSIUM	400	MG/KG	9.5	5.7		078SB-0026M-0001-SO	580	8.8	5.3			37	N/A
078SB-0025M-0001-SO	SELENIUM	0.08	MG/KG	0.48	0.095	J	078SB-0026M-0001-SO	0.13	0.44	0.088	J		N/A	Yes
078SB-0025M-0001-SO	SILVER	0.029	MG/KG	0.1	0.029	U	078SB-0026M-0001-SO	0.02	0.09	0.026	J		N/A	Yes
078SB-0025M-0001-SO	SODIUM	16	MG/KG	9.5	4.8		078SB-0026M-0001-SO	18	8.8	4.4			N/A	Yes
078SB-0025M-0001-SO	THALLIUM	0.026	MG/KG	0.1	0.019	J	078SB-0026M-0001-SO	0.07	0.09	0.018	J		N/A	Yes
078SB-0025M-0001-SO	VANADIUM	4.5	MG/KG	0.1	0.057		078SB-0026M-0001-SO	7.6	0.09	0.053			51	N/A
078SB-0025M-0001-SO	ZINC	40	MG/KG	0.48	0.19		078SB-0026M-0001-SO	48	0.44	0.18			18	N/A
078SB-0025M-0001-SO	MERCURY	0.02	MG/KG	0.1	0.034	J	078SB-0026M-0001-SO	0.02	0.11	0.037	J		N/A	Yes
078SB-0025M-0001-SO	PCB-1016	25	UG/KG	66	25		078SB-0026M-0001-SO	25	66	25	U		N/A	Yes
078SB-0025M-0001-SO	PCB-1221	25	UG/KG	51	25		078SB-0026M-0001-SO	25	50	25	U		N/A	Yes
078SB-0025M-0001-SO	PCB-1232	25	UG/KG	46	25		078SB-0026M-0001-SO	25	45	25	U		N/A	Yes
078SB-0025M-0001-SO	PCB-1242	25	UG/KG	41	25		078SB-0026M-0001-SO	25	40	25	U		N/A	Yes
078SB-0025M-0001-SO	PCB-1248	25	UG/KG	56	25		078SB-0026M-0001-SO	25	55	25	U		N/A	Yes
078SB-0025M-0001-SO	PCB-1254	25	UG/KG	56	25		078SB-0026M-0001-SO	25	55	25	U		N/A	Yes
078SB-0025M-0001-SO	PCB-1260	25	UG/KG	56	25		078SB-0026M-0001-SO	25	55	25	U		N/A	Yes
078SB-0025M-0001-SO	1,1,1-TRICHLOROETHANE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	1,1,2,2-TETRACHLOROETHANE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	1,1,2-TRICHLOROETHANE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	1,1-DICHLOROETHANE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	1,1-DICHLOROETHENE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	1,2-DIBROMOETHANE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	1,2-DICHLOROETHANE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	1,2-DICHLOROPROPANE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	2-HEXANONE	1	UG/KG	20	1	U	078SB-0026M-0001-SO	1.9	38	1.9	U		N/A	Yes
078SB-0025M-0001-SO	ACETONE	6.3	UG/KG	20	6.3	U	078SB-0026M-0001-SO	12	38	12	U		N/A	Yes
078SB-0025M-0001-SO	BENZENE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	BROMOCHLOROMETHANE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	BROMODICHLOROMETHANE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	BROMOFORM	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	BROMOMETHANE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	CARBON DISULFIDE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	CARBON TETRACHLORIDE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
078SB-0025M-0001-SO	CHLOROBENZENE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	CHLOROETHANE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	CHLOROFORM	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	CHLOROMETHANE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	CIS-1,3-DICHLOROPROPENE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	DIBROMOCHLOROMETHANE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	ETHYLBENZENE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	METHYL ETHYL KETONE	2	UG/KG	20	2	U	078SB-0026M-0001-SO	3.8	38	3.8	U		N/A	Yes
078SB-0025M-0001-SO	METHYL ISOBUTYL KETONE	1	UG/KG	20	1	U	078SB-0026M-0001-SO	1.9	38	1.9	U		N/A	Yes
078SB-0025M-0001-SO	METHYLENE CHLORIDE	1	UG/KG	5	1	J	078SB-0026M-0001-SO	1.9	9.5	1.9	J		N/A	Yes
078SB-0025M-0001-SO	STYRENE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	TETRACHLOROETHYLENE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	TOLUENE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	TOTAL 1,2-DICHLOROETHENE	1	UG/KG	10	1	U	078SB-0026M-0001-SO	1.9	19	1.9	U		N/A	Yes
078SB-0025M-0001-SO	TRANS-1,3-DICHLOROPROPENE	1	UG/KG	5	1	U	078SB-0026M-0001-SO	1.9	9.5	1.9	U		N/A	Yes
078SB-0025M-0001-SO	TRICHLOROETHYLENE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	VINYL CHLORIDE	0.5	UG/KG	5	0.5	U	078SB-0026M-0001-SO	0.95	9.5	0.95	U		N/A	Yes
078SB-0025M-0001-SO	XYLENES, TOTAL	1.5	UG/KG	10	1.5	U	078SB-0026M-0001-SO	2.9	19	2.9	U		N/A	Yes
078SB-0025M-0001-SO	1,2,4-TRICHLOROBENZENE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	1,2-DICHLOROBENZENE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	1,3-DICHLOROBENZENE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	1,4-DICHLOROBENZENE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	2,4,5-TRICHLOROPHENOL	140	UG/KG	750	140	U	078SB-0026M-0001-SO	140	760	140	U		N/A	Yes
078SB-0025M-0001-SO	2,4,6-TRICHLOROPHENOL	400	UG/KG	750	400	U	078SB-0026M-0001-SO	410	760	410	U		N/A	Yes
078SB-0025M-0001-SO	2,4-DICHLOROPHENOL	140	UG/KG	750	140	U	078SB-0026M-0001-SO	140	760	140	U		N/A	Yes
078SB-0025M-0001-SO	2,4-DIMETHYLPHENOL	400	UG/KG	750	400	U	078SB-0026M-0001-SO	410	760	410	U		N/A	Yes
078SB-0025M-0001-SO	2,4-DINITROPHENOL	400	UG/KG	1700	400	U	078SB-0026M-0001-SO	410	1700	410	U		N/A	Yes
078SB-0025M-0001-SO	2,4-DINITROTOLUENE	140	UG/KG	1000	140	U	078SB-0026M-0001-SO	140	1000	140	U		N/A	Yes
078SB-0025M-0001-SO	2,6-DINITROTOLUENE	140	UG/KG	1000	140	U	078SB-0026M-0001-SO	140	1000	140	U		N/A	Yes
078SB-0025M-0001-SO	2-CHLORONAPHTHALENE	17	UG/KG	250	17	U	078SB-0026M-0001-SO	17	250	17	U		N/A	Yes
078SB-0025M-0001-SO	2-CHLOROPHENOL	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	2-METHYLNAPHTHALENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	2-METHYLPHENOL (O-CRESOL)	400	UG/KG	1000	400	U	078SB-0026M-0001-SO	410	1000	410	U		N/A	Yes
078SB-0025M-0001-SO	2-NITROANILINE	140	UG/KG	1000	140	U	078SB-0026M-0001-SO	140	1000	140	U		N/A	Yes
078SB-0025M-0001-SO	2-NITROPHENOL	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	3,3'-DICHLOROBENZIDINE	400	UG/KG	500	400	U	078SB-0026M-0001-SO	410	510	410	U		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
078SB-0025M-0001-SO	3-NITROANILINE	400	UG/KG	1000	400	U	078SB-0026M-0001-SO	410	1000	410	U		N/A	Yes
078SB-0025M-0001-SO	4,6-DINITRO-2-METHYLPHENOL	400	UG/KG	750	400	U	078SB-0026M-0001-SO	410	760	410	U		N/A	Yes
078SB-0025M-0001-SO	4-BROMOPHENYL PHENYL ETHER	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	4-CHLORO-3-METHYLPHENOL	140	UG/KG	750	140	U	078SB-0026M-0001-SO	140	760	140	U		N/A	Yes
078SB-0025M-0001-SO	4-CHLOROANILINE	140	UG/KG	750	140	U	078SB-0026M-0001-SO	140	760	140	U		N/A	Yes
078SB-0025M-0001-SO	4-CHLOROPHENYL PHENYL ETHER	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	4-NITROANILINE	140	UG/KG	1000	140	U	078SB-0026M-0001-SO	140	1000	140	U		N/A	Yes
078SB-0025M-0001-SO	4-NITROPHENOL	400	UG/KG	1700	400	U	078SB-0026M-0001-SO	410	1700	410	U		N/A	Yes
078SB-0025M-0001-SO	ACENAPHTHENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	ACENAPHTHYLENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	ANTHRACENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	BENZO(A)ANTHRACENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	BENZO(A)PYRENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	BENZO(B)FLUORANTHENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	BENZO(G,H,I)PERYLENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	BENZO(K)FLUORANTHENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	BENZOIC ACID	1700	UG/KG	3300	1700	U	078SB-0026M-0001-SO	1700	3300	1700	U		N/A	Yes
078SB-0025M-0001-SO	BENZYL ALCOHOL	140	UG/KG	1700	140	U	078SB-0026M-0001-SO	140	1700	140	U		N/A	Yes
078SB-0025M-0001-SO	BENZYL BUTYL PHTHALATE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	BIS(2-CHLOROETHOXY) METHANE	140	UG/KG	500	140	U	078SB-0026M-0001-SO	140	510	140	U		N/A	Yes
078SB-0025M-0001-SO	BIS(2-CHLOROETHYL) ETHER	17	UG/KG	500	17	U	078SB-0026M-0001-SO	17	510	17	U		N/A	Yes
078SB-0025M-0001-SO	BIS(2-CHLOROISOPROPYL) ETHER	140	UG/KG	500	140	U	078SB-0026M-0001-SO	140	510	140	U		N/A	Yes
078SB-0025M-0001-SO	BIS(2-ETHYLHEXYL) PHTHALATE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	CARBAZOLE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	CHRYSENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	CRESOLS, M & P	400	UG/KG	2000	400	U	078SB-0026M-0001-SO	410	2000	410	U		N/A	Yes
078SB-0025M-0001-SO	DIBENZ(A,H)ANTHRACENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	DIBENZOFURAN	17	UG/KG	250	17	U	078SB-0026M-0001-SO	17	250	17	U		N/A	Yes
078SB-0025M-0001-SO	DIETHYL PHTHALATE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	DIMETHYL PHTHALATE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	DI-N-BUTYL PHTHALATE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	DI-N-OCTYLPHTHALATE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	FLUORANTHENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	FLUORENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	HEXACHLOROBENZENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	HEXACHLOROBUTADIENE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes

Sample	Analyte	Result	Units	LOQ	LOD	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
078SB-0025M-0001-SO	HEXACHLOROCYCLOPENTADIENE	140	UG/KG	1700	140	U	078SB-0026M-0001-SO	140	1700	140	U		N/A	Yes
078SB-0025M-0001-SO	HEXACHLOROETHANE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	INDENO(1,2,3-C,D)PYRENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	ISOPHORONE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	NAPHTHALENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	NITROBENZENE	17	UG/KG	500	17	U	078SB-0026M-0001-SO	17	510	17	U		N/A	Yes
078SB-0025M-0001-SO	N-NITROSODI-N-PROPYLAMINE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	N-NITROSODIPHENYLAMINE	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	PENTACHLOROPHENOL	400	UG/KG	750	400	U	078SB-0026M-0001-SO	410	760	410	U		N/A	Yes
078SB-0025M-0001-SO	PHENANTHRENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	PHENOL	140	UG/KG	250	140	U	078SB-0026M-0001-SO	140	250	140	U		N/A	Yes
078SB-0025M-0001-SO	PYRENE	17	UG/KG	33	17	U	078SB-0026M-0001-SO	17	34	17	U		N/A	Yes
078SB-0025M-0001-SO	NITROGUANIDINE	0.04	MG/KG	0.25	0.04		078SB-0026M-0001-SO	0.04	0.24	0.039	U		N/A	Yes

Sample	Analyte	Result	Units	DL	LOQ	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
079SB-0150M-0001-SO	ALUMINUM	12000	MG/KG	0.28	3		079SB-0234M-0001-SO	12000	3	0.59			0	N/A
079SB-0150M-0001-SO	ANTIMONY	0.1	MG/KG	0.046	0.2	U	079SB-0234M-0001-SO	0.099	0.2	0.099	R	Q	N/A	N/A
079SB-0150M-0001-SO	ARSENIC	9.8	MG/KG	0.018	0.1		079SB-0234M-0001-SO	9.9	0.099	0.05	J-	Q	1	N/A
079SB-0150M-0001-SO	BARIUM	88	MG/KG	0.011	1		079SB-0234M-0001-SO	81	0.99	0.02	J-	E, Q	8	N/A
079SB-0150M-0001-SO	BERYLLIUM	0.7	MG/KG	0.0075	0.1		079SB-0234M-0001-SO	0.65	0.099	0.0099			7	N/A
079SB-0150M-0001-SO	CADMIUM	0.15	MG/KG	0.013	0.1		079SB-0234M-0001-SO	0.15	0.099	0.03			0	N/A
079SB-0150M-0001-SO	CALCIUM	770	MG/KG	1.3	10		079SB-0234M-0001-SO	750	9.9	2.5			3	N/A
079SB-0150M-0001-SO	CHROMIUM	20	MG/KG	0.022	0.2		079SB-0234M-0001-SO	19	0.2	0.04			5	N/A
079SB-0150M-0001-SO	COBALT	12	MG/KG	0.0024	0.05		079SB-0234M-0001-SO	13	0.05	0.0099			8	N/A
079SB-0150M-0001-SO	COPPER	18	MG/KG	0.033	0.2		079SB-0234M-0001-SO	17	0.2	0.059	J-	Q	6	N/A
079SB-0150M-0001-SO	IRON	26000	MG/KG	1.1	5		079SB-0234M-0001-SO	24000	5	2			8	N/A
079SB-0150M-0001-SO	LEAD	14	MG/KG	0.015	0.1		079SB-0234M-0001-SO	14	0.099	0.03	J	E	0	N/A
079SB-0150M-0001-SO	MAGNESIUM	4000	MG/KG	1.1	10		079SB-0234M-0001-SO	3800	9.9	2			5	N/A
079SB-0150M-0001-SO	MANGANESE	370	MG/KG	0.016	0.5		079SB-0234M-0001-SO	490	0.5	0.03	J	E	28	N/A
079SB-0150M-0001-SO	NICKEL	32	MG/KG	0.011	0.1		079SB-0234M-0001-SO	28	0.099	0.03	J-	Q	13	N/A
079SB-0150M-0001-SO	POTASSIUM	1100	MG/KG	3.2	10		079SB-0234M-0001-SO	1100	9.9	5.9			0	N/A
079SB-0150M-0001-SO	SELENIUM	0.25	MG/KG	0.051	0.5	J	079SB-0234M-0001-SO	0.23	0.5	0.099	J-	Q	8	N/A
079SB-0150M-0001-SO	SILVER	0.022	MG/KG	0.011	0.1	J	079SB-0234M-0001-SO	0.023	0.099	0.03	J		4	N/A
079SB-0150M-0001-SO	SODIUM	140	MG/KG	2.7	10		079SB-0234M-0001-SO	120	9.9	5	J	E	15	N/A
079SB-0150M-0001-SO	THALLIUM	0.15	MG/KG	0.01	0.1		079SB-0234M-0001-SO	0.15	0.099	0.02	J	E	0	N/A
079SB-0150M-0001-SO	VANADIUM	19	MG/KG	0.03	0.1		079SB-0234M-0001-SO	18	0.099	0.059			5	N/A
079SB-0150M-0001-SO	ZINC	54	MG/KG	0.065	0.5		079SB-0234M-0001-SO	53	0.5	0.2	J-	Q	2	N/A
079SB-0150M-0001-SO	MERCURY	0.018	MG/KG	0.016	0.11	J	079SB-0234M-0001-SO	0.025	0.09	0.03	J		33	N/A
079SB-0165M-0001-SO	ALUMINUM	2900	MG/KG	0.28	2.9		079SB-0236M-0001-SO	4000	3	0.6			32	N/A
079SB-0165M-0001-SO	ANTIMONY	0.098	MG/KG	0.045	0.2	U	079SB-0236M-0001-SO	0.1	0.2	0.1	R	Q	N/A	N/A
079SB-0165M-0001-SO	ARSENIC	9.2	MG/KG	0.018	0.098		079SB-0236M-0001-SO	11	0.1	0.05	J-	Q	18	N/A
079SB-0165M-0001-SO	BARIUM	260	MG/KG	0.01	0.98		079SB-0236M-0001-SO	100	1	0.02	J-	E, Q	89	N/A
079SB-0165M-0001-SO	BERYLLIUM	0.24	MG/KG	0.0074	0.098		079SB-0236M-0001-SO	0.25	0.1	0.01			4	N/A
079SB-0165M-0001-SO	CADMIUM	0.07	MG/KG	0.013	0.098	J	079SB-0236M-0001-SO	0.059	0.1	0.03	J		17	N/A
079SB-0165M-0001-SO	CALCIUM	230	MG/KG	1.3	9.8		079SB-0236M-0001-SO	310	10	2.5			30	N/A
079SB-0165M-0001-SO	CHROMIUM	8.5	MG/KG	0.022	0.2		079SB-0236M-0001-SO	17	0.2	0.04			67	N/A
079SB-0165M-0001-SO	COBALT	5.2	MG/KG	0.0024	0.049		079SB-0236M-0001-SO	5.2	0.05	0.01			0	N/A
079SB-0165M-0001-SO	COPPER	5.5	MG/KG	0.032	0.2		079SB-0236M-0001-SO	7.2	0.2	0.06	J-	Q	27	N/A
079SB-0165M-0001-SO	IRON	8300	MG/KG	1.1	4.9		079SB-0236M-0001-SO	12000	5	2			36	N/A
079SB-0165M-0001-SO	LEAD	5.9	MG/KG	0.015	0.098		079SB-0236M-0001-SO	6.4	0.1	0.03	J	E	8	N/A
079SB-0165M-0001-SO	MAGNESIUM	970	MG/KG	1.1	9.8		079SB-0236M-0001-SO	1200	10	2			21	N/A

Sample	Analyte	Result	Units	DL	LOQ	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
079SB-0165M-0001-SO	MANGANESE	1900	MG/KG	0.016	0.49		079SB-0236M-0001-SO	2500	5	0.3	J	E	27	N/A
079SB-0165M-0001-SO	NICKEL	16	MG/KG	0.011	0.098		079SB-0236M-0001-SO	14	0.1	0.03	J-	Q	13	N/A
079SB-0165M-0001-SO	POTASSIUM	430	MG/KG	3.1	9.8		079SB-0236M-0001-SO	620	10	6			36	N/A
079SB-0165M-0001-SO	SELENIUM	0.06	MG/KG	0.05	0.49	J	079SB-0236M-0001-SO	0.12	0.5	0.1	J-	Q	67	N/A
079SB-0165M-0001-SO	SILVER	0.012	MG/KG	0.011	0.098	J	079SB-0236M-0001-SO	0.014	0.1	0.03	J		15	N/A
079SB-0165M-0001-SO	SODIUM	34	MG/KG	2.6	9.8		079SB-0236M-0001-SO	48	10	5	J	E	34	N/A
079SB-0165M-0001-SO	THALLIUM	0.15	MG/KG	0.01	0.098		079SB-0236M-0001-SO	0.18	0.1	0.02	J	E	18	N/A
079SB-0165M-0001-SO	VANADIUM	5.3	MG/KG	0.029	0.098		079SB-0236M-0001-SO	7.6	0.1	0.06			36	N/A
079SB-0165M-0001-SO	ZINC	21	MG/KG	0.064	0.49		079SB-0236M-0001-SO	24	0.5	0.2	J-	Q	13	N/A
079SB-0165M-0001-SO	MERCURY	0.018	MG/KG	0.014	0.098	J	079SB-0236M-0001-SO	0.038	0.12	0.038	U		71	N/A
079SB-0217M-0001-SO	ALUMINUM	6100	MG/KG	0.27	2.8		079SB-0319M-0001-SO	6100	2.9	0.58			0	N/A
079SB-0217M-0001-SO	ANTIMONY	0.053	MG/KG	0.043	0.19	J-	079SB-0319M-0001-SO	0.049	0.19	0.097	J		8	N/A
079SB-0217M-0001-SO	ARSENIC	6.6	MG/KG	0.017	0.094	J-	079SB-0319M-0001-SO	7.1	0.097	0.049			7	N/A
079SB-0217M-0001-SO	BARIUM	36	MG/KG	0.01	0.94	J-	079SB-0319M-0001-SO	45	0.97	0.019			22	N/A
079SB-0217M-0001-SO	BERYLLIUM	0.36	MG/KG	0.0071	0.094		079SB-0319M-0001-SO	0.41	0.097	0.0097			13	N/A
079SB-0217M-0001-SO	CADMIUM	0.13	MG/KG	0.012	0.094		079SB-0319M-0001-SO	0.32	0.097	0.029			84	N/A
079SB-0217M-0001-SO	CALCIUM	330	MG/KG	1.3	9.4		079SB-0319M-0001-SO	360	9.7	2.4			9	N/A
079SB-0217M-0001-SO	CHROMIUM	8.2	MG/KG	0.021	0.19		079SB-0319M-0001-SO	8.7	0.19	0.039			6	N/A
079SB-0217M-0001-SO	COBALT	6.9	MG/KG	0.0023	0.047		079SB-0319M-0001-SO	8.6	0.049	0.0097			22	N/A
079SB-0217M-0001-SO	COPPER	11	MG/KG	0.031	0.19	J-	079SB-0319M-0001-SO	11	0.19	0.058			0	N/A
079SB-0217M-0001-SO	IRON	15000	MG/KG	1	4.7		079SB-0319M-0001-SO	18000	4.9	1.9			18	N/A
079SB-0217M-0001-SO	LEAD	8.6	MG/KG	0.015	0.094	J	079SB-0319M-0001-SO	8.8	0.097	0.029			2	N/A
079SB-0217M-0001-SO	MAGNESIUM	1700	MG/KG	1	9.4		079SB-0319M-0001-SO	1800	9.7	1.9			6	N/A
079SB-0217M-0001-SO	MANGANESE	490	MG/KG	0.015	0.47	J	079SB-0319M-0001-SO	880	0.49	0.029			57	N/A
079SB-0217M-0001-SO	NICKEL	15	MG/KG	0.011	0.094	J-	079SB-0319M-0001-SO	20	0.097	0.029			29	N/A
079SB-0217M-0001-SO	POTASSIUM	690	MG/KG	3	9.4		079SB-0319M-0001-SO	730	9.7	5.8			6	N/A
079SB-0217M-0001-SO	SELENIUM	0.21	MG/KG	0.048	0.47	J-	079SB-0319M-0001-SO	0.18	0.49	0.097	J		15	N/A
079SB-0217M-0001-SO	SILVER	0.02	MG/KG	0.011	0.094	J	079SB-0319M-0001-SO	0.029	0.097	0.029	J		37	N/A
079SB-0217M-0001-SO	SODIUM	32	MG/KG	2.5	9.4	J	079SB-0319M-0001-SO	34	9.7	4.9			6	N/A
079SB-0217M-0001-SO	THALLIUM	0.12	MG/KG	0.0096	0.094	J	079SB-0319M-0001-SO	0.13	0.097	0.019			8	N/A
079SB-0217M-0001-SO	VANADIUM	9.8	MG/KG	0.028	0.094		079SB-0319M-0001-SO	9.9	0.097	0.058			1	N/A
079SB-0217M-0001-SO	ZINC	46	MG/KG	0.061	0.47	J-	079SB-0319M-0001-SO	67	0.49	0.19			37	N/A
079SB-0217M-0001-SO	MERCURY	0.034	MG/KG	0.016	0.12	J	079SB-0319M-0001-SO	0.037	0.1	0.034	J		8	N/A
079SB-0247M-0001-SO	ALUMINUM	2100	MG/KG	0.28	2.9		079SB-0325M-0001-SO	1900	2.9	0.58			10	N/A
079SB-0247M-0001-SO	ANTIMONY	0.19	MG/KG	0.045	0.2	J-	079SB-0325M-0001-SO	0.074	0.19	0.097	J		88	N/A
079SB-0247M-0001-SO	ARSENIC	4.7	MG/KG	0.018	0.098	J-	079SB-0325M-0001-SO	4.3	0.097	0.049			9	N/A

Sample	Analyte	Result	Units	DL	LOQ	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
079SB-0247M-0001-SO	BARIUM	45	MG/KG	0.01	0.98		079SB-0325M-0001-SO	29	0.97	0.019			43	N/A
079SB-0247M-0001-SO	BERYLLIUM	0.14	MG/KG	0.0074	0.098		079SB-0325M-0001-SO	0.12	0.097	0.0097			15	N/A
079SB-0247M-0001-SO	CADMIUM	0.055	MG/KG	0.013	0.098	J	079SB-0325M-0001-SO	0.06	0.097	0.029	J		9	N/A
079SB-0247M-0001-SO	CALCIUM	210	MG/KG	1.3	9.8		079SB-0325M-0001-SO	480	9.7	2.4			78	N/A
079SB-0247M-0001-SO	CHROMIUM	7.8	MG/KG	0.022	0.2		079SB-0325M-0001-SO	7.4	0.19	0.039			5	N/A
079SB-0247M-0001-SO	COBALT	4.5	MG/KG	0.0024	0.049		079SB-0325M-0001-SO	4.7	0.049	0.0097			4	N/A
079SB-0247M-0001-SO	COPPER	3.6	MG/KG	0.032	0.2		079SB-0325M-0001-SO	3.8	0.19	0.058			5	N/A
079SB-0247M-0001-SO	IRON	6800	MG/KG	1.1	4.9		079SB-0325M-0001-SO	6000	4.9	1.9			13	N/A
079SB-0247M-0001-SO	LEAD	3.6	MG/KG	0.015	0.098		079SB-0325M-0001-SO	3.4	0.097	0.029			6	N/A
079SB-0247M-0001-SO	MAGNESIUM	450	MG/KG	1.1	9.8		079SB-0325M-0001-SO	480	9.7	1.9			6	N/A
079SB-0247M-0001-SO	MANGANESE	950	MG/KG	0.016	0.49		079SB-0325M-0001-SO	2300	4.9	0.29			83	N/A
079SB-0247M-0001-SO	NICKEL	11	MG/KG	0.011	0.098		079SB-0325M-0001-SO	12	0.097	0.029			9	N/A
079SB-0247M-0001-SO	POTASSIUM	350	MG/KG	3.1	9.8		079SB-0325M-0001-SO	320	9.7	5.8			9	N/A
079SB-0247M-0001-SO	SELENIUM	0.098	MG/KG	0.05	0.49	UJ	079SB-0325M-0001-SO	0.097	0.49	0.097	U		1	N/A
079SB-0247M-0001-SO	SILVER	0.029	MG/KG	0.011	0.098	U	079SB-0325M-0001-SO	0.029	0.097	0.029	U		0	N/A
079SB-0247M-0001-SO	SODIUM	24	MG/KG	2.6	9.8		079SB-0325M-0001-SO	20	9.7	4.9			18	N/A
079SB-0247M-0001-SO	THALLIUM	0.061	MG/KG	0.01	0.098	J	079SB-0325M-0001-SO	0.061	0.097	0.019	J		0	N/A
079SB-0247M-0001-SO	VANADIUM	4.2	MG/KG	0.029	0.098		079SB-0325M-0001-SO	4.7	0.097	0.058			11	N/A
079SB-0247M-0001-SO	ZINC	21	MG/KG	0.064	0.49	J-	079SB-0325M-0001-SO	19	0.49	0.19			10	N/A
079SB-0247M-0001-SO	MERCURY	0.031	MG/KG	0.013	0.095	U	079SB-0325M-0001-SO	0.017	0.11	0.035	J		58	N/A
079SB-0267M-0001-SO	ALUMINUM	8400	MG/KG	0.28	3		079SB-0322M-0001-SO	7200	3	0.59			15	N/A
079SB-0267M-0001-SO	ANTIMONY	0.099	MG/KG	0.045	0.2	UJ	079SB-0322M-0001-SO	0.099	0.2	0.099	U		0	N/A
079SB-0267M-0001-SO	ARSENIC	51	MG/KG	0.018	0.099	J-	079SB-0322M-0001-SO	36	0.099	0.05			34	N/A
079SB-0267M-0001-SO	BARIUM	58	MG/KG	0.011	0.99		079SB-0322M-0001-SO	48	0.99	0.02			19	N/A
079SB-0267M-0001-SO	BERYLLIUM	0.57	MG/KG	0.0074	0.099		079SB-0322M-0001-SO	0.48	0.099	0.0099			17	N/A
079SB-0267M-0001-SO	CADMIUM	0.1	MG/KG	0.013	0.099		079SB-0322M-0001-SO	0.084	0.099	0.03	J		17	N/A
079SB-0267M-0001-SO	CALCIUM	3800	MG/KG	1.3	9.9		079SB-0322M-0001-SO	1900	9.9	2.5			67	N/A
079SB-0267M-0001-SO	CHROMIUM	12	MG/KG	0.022	0.2		079SB-0322M-0001-SO	10	0.2	0.04			18	N/A
079SB-0267M-0001-SO	COBALT	7.3	MG/KG	0.0024	0.05		079SB-0322M-0001-SO	6.3	0.05	0.0099			15	N/A
079SB-0267M-0001-SO	COPPER	12	MG/KG	0.033	0.2		079SB-0322M-0001-SO	12	0.2	0.059			0	N/A
079SB-0267M-0001-SO	IRON	18000	MG/KG	1.1	5		079SB-0322M-0001-SO	17000	5	2			6	N/A
079SB-0267M-0001-SO	LEAD	12	MG/KG	0.015	0.099		079SB-0322M-0001-SO	9.6	0.099	0.03			22	N/A
079SB-0267M-0001-SO	MAGNESIUM	2900	MG/KG	1.1	9.9		079SB-0322M-0001-SO	2300	9.9	2			23	N/A
079SB-0267M-0001-SO	MANGANESE	390	MG/KG	0.016	0.5		079SB-0322M-0001-SO	280	0.5	0.03			33	N/A
079SB-0267M-0001-SO	NICKEL	17	MG/KG	0.011	0.099		079SB-0322M-0001-SO	16	0.099	0.03			6	N/A
079SB-0267M-0001-SO	POTASSIUM	1300	MG/KG	3.1	9.9		079SB-0322M-0001-SO	1100	9.9	5.9			17	N/A

Sample	Analyte	Result	Units	DL	LOQ	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
079SB-0267M-0001-SO	SELENIUM	0.22	MG/KG	0.05	0.5	J-	079SB-0322M-0001-SO	0.11	0.5	0.099	J		67	N/A
079SB-0267M-0001-SO	SILVER	0.018	MG/KG	0.011	0.099	J	079SB-0322M-0001-SO	0.015	0.099	0.03	J		18	N/A
079SB-0267M-0001-SO	SODIUM	240	MG/KG	2.6	9.9		079SB-0322M-0001-SO	240	9.9	5			0	N/A
079SB-0267M-0001-SO	THALLIUM	0.12	MG/KG	0.01	0.099		079SB-0322M-0001-SO	0.11	0.099	0.02			9	N/A
079SB-0267M-0001-SO	VANADIUM	13	MG/KG	0.03	0.099		079SB-0322M-0001-SO	11	0.099	0.059			17	N/A
079SB-0267M-0001-SO	ZINC	36	MG/KG	0.064	0.5	J-	079SB-0322M-0001-SO	39	0.5	0.2			8	N/A
079SB-0267M-0001-SO	MERCURY	0.023	MG/KG	0.015	0.11	J	079SB-0322M-0001-SO	0.017	0.12	0.039	J		30	N/A
079SB-0269M-0001-SO	ALUMINUM	2300	MG/KG	0.28	3		079SB-0323M-0001-SO	3800	3	0.59			49	N/A
079SB-0269M-0001-SO	ANTIMONY	0.099	MG/KG	0.045	0.2	UJ	079SB-0323M-0001-SO	0.099	0.2	0.099	U		0	N/A
079SB-0269M-0001-SO	ARSENIC	27	MG/KG	0.018	0.099	J-	079SB-0323M-0001-SO	43	0.099	0.05			46	N/A
079SB-0269M-0001-SO	BARIUM	39	MG/KG	0.011	0.99		079SB-0323M-0001-SO	48	0.99	0.02			21	N/A
079SB-0269M-0001-SO	BERYLLIUM	0.19	MG/KG	0.0074	0.099		079SB-0323M-0001-SO	0.3	0.099	0.0099			45	N/A
079SB-0269M-0001-SO	CADMIUM	0.035	MG/KG	0.013	0.099	J	079SB-0323M-0001-SO	0.06	0.099	0.03	J		53	N/A
079SB-0269M-0001-SO	CALCIUM	1400	MG/KG	1.3	9.9		079SB-0323M-0001-SO	2900	9.9	2.5			70	N/A
079SB-0269M-0001-SO	CHROMIUM	4.6	MG/KG	0.022	0.2		079SB-0323M-0001-SO	7.3	0.2	0.04			45	N/A
079SB-0269M-0001-SO	COBALT	2.7	MG/KG	0.0024	0.05		079SB-0323M-0001-SO	3.1	0.05	0.0099			14	N/A
079SB-0269M-0001-SO	COPPER	18	MG/KG	0.033	0.2		079SB-0323M-0001-SO	18	0.2	0.059			0	N/A
079SB-0269M-0001-SO	IRON	6400	MG/KG	1.1	5		079SB-0323M-0001-SO	8000	5	2			22	N/A
079SB-0269M-0001-SO	LEAD	160	MG/KG	0.015	0.099		079SB-0323M-0001-SO	210	0.099	0.03			27	N/A
079SB-0269M-0001-SO	MAGNESIUM	980	MG/KG	1.1	9.9		079SB-0323M-0001-SO	1700	9.9	2			54	N/A
079SB-0269M-0001-SO	MANGANESE	5000	MG/KG	0.16	5		079SB-0323M-0001-SO	5000	5	0.3			0	N/A
079SB-0269M-0001-SO	NICKEL	6.8	MG/KG	0.011	0.099		079SB-0323M-0001-SO	8.9	0.099	0.03			27	N/A
079SB-0269M-0001-SO	POTASSIUM	490	MG/KG	3.1	9.9		079SB-0323M-0001-SO	780	9.9	5.9			46	N/A
079SB-0269M-0001-SO	SELENIUM	0.099	MG/KG	0.05	0.5	UJ	079SB-0323M-0001-SO	0.061	0.5	0.099	J		48	N/A
079SB-0269M-0001-SO	SILVER	0.03	MG/KG	0.011	0.099	U	079SB-0323M-0001-SO	0.012	0.099	0.03	J		86	N/A
079SB-0269M-0001-SO	SODIUM	130	MG/KG	2.6	9.9		079SB-0323M-0001-SO	180	9.9	5			32	N/A
079SB-0269M-0001-SO	THALLIUM	0.049	MG/KG	0.01	0.099	J	079SB-0323M-0001-SO	0.073	0.099	0.02	J		39	N/A
079SB-0269M-0001-SO	VANADIUM	5	MG/KG	0.03	0.099		079SB-0323M-0001-SO	7.1	0.099	0.059			35	N/A
079SB-0269M-0001-SO	ZINC	17	MG/KG	0.064	0.5	J-	079SB-0323M-0001-SO	22	0.5	0.2			26	N/A
079SB-0269M-0001-SO	MERCURY	0.034	MG/KG	0.014	0.1	U	079SB-0323M-0001-SO	0.036	0.11	0.036	U		6	N/A
079SD-0305-0001-SD	ALUMINUM	12000	MG/KG	0.47	5		079SD-0306-0001-SD	13000	5.5	1.1			8	N/A
079SD-0305-0001-SD	ANTIMONY	0.14	MG/KG	0.076	0.33	J-	079SD-0306-0001-SD	0.13	0.36	0.18	J		7	N/A
079SD-0305-0001-SD	ARSENIC	240	MG/KG	0.03	0.17		079SD-0306-0001-SD	180	0.18	0.091			29	N/A
079SD-0305-0001-SD	BARIUM	71	MG/KG	0.018	1.7	J	079SD-0306-0001-SD	74	1.8	0.036			4	N/A
079SD-0305-0001-SD	BERYLLIUM	0.65	MG/KG	0.012	0.17		079SD-0306-0001-SD	0.68	0.18	0.018			5	N/A
079SD-0305-0001-SD	CADMIUM	0.35	MG/KG	0.022	0.17		079SD-0306-0001-SD	0.37	0.18	0.055			6	N/A

Sample	Analyte	Result	Units	DL	LOQ	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
079SD-0305-0001-SD	CALCIUM	2400	MG/KG	2.2	17	J	079SD-0306-0001-SD	2100	18	4.6			13	N/A
079SD-0305-0001-SD	CHROMIUM	28	MG/KG	0.037	0.33		079SD-0306-0001-SD	29	0.36	0.073			4	N/A
079SD-0305-0001-SD	COBALT	8.6	MG/KG	0.004	0.083		079SD-0306-0001-SD	8.6	0.091	0.018			0	N/A
079SD-0305-0001-SD	COPPER	21	MG/KG	0.055	0.33		079SD-0306-0001-SD	24	0.36	0.11			13	N/A
079SD-0305-0001-SD	IRON	21000	MG/KG	1.8	8.3		079SD-0306-0001-SD	20000	9.1	3.6			5	N/A
079SD-0305-0001-SD	LEAD	51	MG/KG	0.025	0.17		079SD-0306-0001-SD	50	0.18	0.055			2	N/A
079SD-0305-0001-SD	MAGNESIUM	2800	MG/KG	1.8	17		079SD-0306-0001-SD	2700	18	3.6			4	N/A
079SD-0305-0001-SD	MANGANESE	710	MG/KG	0.026	0.83		079SD-0306-0001-SD	470	0.91	0.055			41	N/A
079SD-0305-0001-SD	NICKEL	29	MG/KG	0.019	0.17		079SD-0306-0001-SD	29	0.18	0.055			0	N/A
079SD-0305-0001-SD	POTASSIUM	1500	MG/KG	5.2	17		079SD-0306-0001-SD	1900	18	11			24	N/A
079SD-0305-0001-SD	SELENIUM	0.61	MG/KG	0.084	0.83	J-	079SD-0306-0001-SD	1	0.91	0.18	J		48	N/A
079SD-0305-0001-SD	SILVER	0.08	MG/KG	0.019	0.17	J	079SD-0306-0001-SD	0.092	0.18	0.055	J		14	N/A
079SD-0305-0001-SD	SODIUM	67	MG/KG	4.4	17		079SD-0306-0001-SD	100	18	9.1			40	N/A
079SD-0305-0001-SD	THALLIUM	0.17	MG/KG	0.017	0.17		079SD-0306-0001-SD	0.21	0.18	0.036			21	N/A
079SD-0305-0001-SD	VANADIUM	27	MG/KG	0.049	0.17		079SD-0306-0001-SD	30	0.18	0.11			11	N/A
079SD-0305-0001-SD	ZINC	80	MG/KG	0.11	0.83		079SD-0306-0001-SD	81	0.91	0.36			1	N/A
079SD-0305-0001-SD	MERCURY	0.046	MG/KG	0.027	0.19	J	079SD-0306-0001-SD	0.045	0.21	0.07	J		2	N/A
079SW-0311-0001-SW	ALUMINUM	40	UG/L	2.6	30		079SW-0312-0001-SW	36	30	5			11	N/A
079SW-0311-0001-SW	ANTIMONY	0.9	UG/L	0.46	2	U	079SW-0312-0001-SW	1	2	0.9	J		11	N/A
079SW-0311-0001-SW	ARSENIC	15	UG/L	0.29	1		079SW-0312-0001-SW	16	1	0.5			6	N/A
079SW-0311-0001-SW	BARIUM	12	UG/L	0.098	10		079SW-0312-0001-SW	13	10	0.15			8	N/A
079SW-0311-0001-SW	BERYLLIUM	0.09	UG/L	0.045	1	U	079SW-0312-0001-SW	0.09	1	0.09	U		0	N/A
079SW-0311-0001-SW	CADMIUM	0.3	UG/L	0.13	1	U	079SW-0312-0001-SW	0.3	1	0.3	U		0	N/A
079SW-0311-0001-SW	CALCIUM	14000	UG/L	9.4	100		079SW-0312-0001-SW	15000	100	20			7	N/A
079SW-0311-0001-SW	CHROMIUM	1.6	UG/L	0.54	2	J	079SW-0312-0001-SW	1.7	2	1	J		6	N/A
079SW-0311-0001-SW	COBALT	0.044	UG/L	0.026	0.5	J	079SW-0312-0001-SW	0.054	0.5	0.05	J		20	N/A
079SW-0311-0001-SW	COPPER	1.4	UG/L	0.24	2	J	079SW-0312-0001-SW	1.5	2	0.5	J		7	N/A
079SW-0311-0001-SW	IRON	220	UG/L	11	50		079SW-0312-0001-SW	220	50	20			0	N/A
079SW-0311-0001-SW	LEAD	0.3	UG/L	0.15	1	U	079SW-0312-0001-SW	0.3	1	0.3	J		0	N/A
079SW-0311-0001-SW	MAGNESIUM	3000	UG/L	11	100		079SW-0312-0001-SW	3200	100	22			6	N/A
079SW-0311-0001-SW	MANGANESE	12	UG/L	0.16	5		079SW-0312-0001-SW	12	5	0.3			0	N/A
079SW-0311-0001-SW	NICKEL	0.57	UG/L	0.17	1	J	079SW-0312-0001-SW	0.56	1	0.35	J		2	N/A
079SW-0311-0001-SW	POTASSIUM	5000	UG/L	32	100		079SW-0312-0001-SW	5300	100	60			6	N/A
079SW-0311-0001-SW	SELENIUM	1	UG/L	0.51	5	U	079SW-0312-0001-SW	1	5	1	U		0	N/A
079SW-0311-0001-SW	SILVER	0.2	UG/L	0.11	1	U	079SW-0312-0001-SW	0.2	1	0.2	U		0	N/A
079SW-0311-0001-SW	SODIUM	2900	UG/L	27	100		079SW-0312-0001-SW	3100	100	55			7	N/A

Sample	Analyte	Result	Units	DL	LOQ	Qual	Sample	Result	LOQ	LOD	Qual	Code	RPD	W/In LOQ
079SW-0311-0001-SW	THALLIUM	0.2	UG/L	0.1	1	U	079SW-0312-0001-SW	0.2	1	0.2	U		0	N/A
079SW-0311-0001-SW	VANADIUM	0.6	UG/L	0.3	1	U	079SW-0312-0001-SW	0.6	1	0.6	U		0	N/A
079SW-0311-0001-SW	ZINC	1.8	UG/L	0.96	5	J	079SW-0312-0001-SW	2.3	5	2	J		24	N/A
079SW-0311-0001-SW	MERCURY	0.2	UG/L	0.12	0.2	U	079SW-0312-0001-SW	0.2	0.2	0.2	U		0	N/A

APPENDIX D

Validator Checklists

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST

0685S-0003m-0001-So Extprep

Project Name: CR Sites - Site 68

Laboratory: TA - N Canton

Batch Number(s): _____

Sample Delivery Group: 17317

	Yes	No
1. Holding Time: Were samples analyzed within holding time?	[N]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	[ ]	[N]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[N]	[ ]
• Was the manual integration necessary?	[N]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[ ]
1.696 • Was the percentage "D" for QC/MRL ≤ 30%?	[N]	[ ]
5. Initial Calibration Verification (ICV):	[N]	[ ]

	Yes	No
• Was the ICV made of a 2nd source?	[ ]	[ ]
• Was the mid level (2nd source) recovery within 85 - 115%?		
6. Continuing Calibration Verification (CCV): {Daily calibration}		
• Was midpoint calibration standard conducted at the beginning of the day?	[ ]	[ ]
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	[ ]	[ ]
• Was midpoint calibration standard conducted after the last sample of the day?	[ ]	[ ]
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[ ]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	[ ]	[ ]
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed? N/A	[ ]	[ ]
• Were all identified hits confirmed on a second column? N/A	[ ]	[ ]
• Was RPD of target analyte confirmation ≤ 40?	[ ]	[ ]
• Was there a shoulder on the 2,4,6-TNT peak?	[ ]	[ ]
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with **"J"** accordingly.	[ ]	[ ]
8. Sample Quality Control:	[ ]	[ ]
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?		

	Yes	No
• MS/MSD: Were the percent recoveries within limits? Were the RPDs within control limits?	[ ]	[ ]
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	[ ]	[N]

9. Comments (attach additional sheets if necessary):

conf surr 258% J tetryl — no detect
MS/D on 06855-0003M - OK NG + EX NC 32% each J/Q
tetryl in conf MB @ 0.0189 mg/kg U/B

RDX 20% RSD
2NT 16%

Validated/Reviewed by:

Signature: Patti Meeks Date: 5/28/14

Name: Patti Meeks

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST

06955-0001M-0001-SO -1

Project Name: RVAAP CR site 369

Laboratory: TA-N Canton

Batch Number(s): _____

Sample Delivery Group: 240-17525

	Yes	No	
1. Holding Time: Were samples analyzed within holding time?	[X]	[ ]	
2. Initial Calibration:			
• Did the initial calibration consist of five standards?	[X]	[ ]	
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	[X]	[X]	
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[X]	[ ]	
• Was the manual integration necessary?	[X]	[ ]	
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**			
3. QCMDL:			
• Was MDL Check performed?	[ ]	[X]	
4. QCMRL:			
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[X]	[ ]	
• Was the percentage "D" for QC/MRL ≤ 30%?	[ ]	[X]	Some ↑ but Sample NJ
5. Initial Calibration Verification (ICV):	[X]	[ ]	

	Yes	No
• Was the ICV made of a 2nd source?	[ ]	[ ]
• Was the mid level (2nd source) recovery within 85 - 115%?		
6. Continuing Calibration Verification (CCV): {Daily calibration}		
• Was midpoint calibration standard conducted at the beginning of the day?	[ ]	[ ]
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	[ ]	[ ]
• Was midpoint calibration standard conducted after the last sample of the day?	[ ]	[ ]
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[ ]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	[ ]	[ ]
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed?	[ ]	[ ]
• Were all identified hits confirmed on a second column?	[ ] no confirm	[ ]
• Was RPD of target analyte confirmation ≤ 40? N/A	[ ]	[ ]
• Was there a shoulder on the 2,4,6-TNT peak? N/A	[ ]	[ ]
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with **"J"** accordingly.	[ ]	[ ]
8. Sample Quality Control:	[ ]	[ ]
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?		

	Yes	No
• MS/MSD: Were the percent recoveries within limits?	[ ]	[ ]
Were the RPDs within control limits?		
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	[ ]	[ ]

9. Comments (attach additional sheets if necessary):

%RSDs 20% RPD
16% 2ND

NC ICV text for 187%R
NC ↑ MRL opening - ND sample
closing MRL 64% OS I/C
↳ reanalyzed @ 88%

Validated/Reviewed by:

Signature: Patti Meeks Date: 6/3/14

Name: P. Meeks

Conf surr ↑ 121% all ND

MS/D NG, EX & NC - OK
↳ RPD ≤ 71%

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST

,S

Project Name: RVAAP on Site 73 07355-0002M-0001-SO Ext prep

Laboratory: TA-W Canton

Batch Number(s): _____

Sample Delivery Group: 240-17422-1

	Yes	No
1. Holding Time: Were samples analyzed within holding time?	[N]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[ ]	[ ]
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	[ ]	[N]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[N]	[ ]
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[ ]
• Was the percentage "D" for QC/MRL ≤ 30%?	[N]	[ ]
5. Initial Calibration Verification (ICV):	[N]	[ ]

	Yes	No
• Was the ICV made of a 2nd source?	[ ]	[ ]
• Was the mid level (2nd source) recovery within 85 - 115%?		
6. Continuing Calibration Verification (CCV): {Daily calibration}		
• Was midpoint calibration standard conducted at the beginning of the day?	[ ]	[ ]
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	[ ]	[ ]
• Was midpoint calibration standard conducted after the last sample of the day?	[ ]	[ ]
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[ ]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	[ ]	[ ]
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed?	[ ]	[ ]
• Were all identified hits confirmed on a second column?	[ ]	[ ]
• Was RPD of target analyte confirmation ≤ 40? No hit N/A	[ ]	[ ]
• Was there a shoulder on the 2,4,6-TNT peak?	[ ]	[ ]
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with **"J"** accordingly.	[ ]	[ ]
8. Sample Quality Control:	[ ]	[ ]
• Method Blanks: Were target analytes ≤ 1/2 MRL?		
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]

	Yes	No
• MS/MSD: Were the percent recoveries within limits? n/a	[ ]	[ ]
Were the RPDs within control limits?		
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	[ ]	N

9. Comments (attach additional sheets if necessary):

%RSDs RDX = 20
2NT = 16

2° surr ↑ 121% but no detects

Validated/Reviewed by:

Signature: Patti Meeks Date: 6/2/14

Name: P. Meeks

Tetryl 0.0189 MB 326-6026 U/P

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST

Project Name: RVAAP CR Site 74 0745B-0010-0001-SO

Laboratory: TA-N Canton

Batch Number(s): _____

Sample Delivery Group: 240-22804-1

	Yes	No
1. Holding Time: Were samples analyzed within holding time?	[X]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[X]	[ ]
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	[X]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[X]	[ ]
• Was the manual integration necessary?	[X]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[X]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[X]	[ ]
• Was the percentage "D" for QC/MRL ≤ 30%?	[X]	[ ]
5. Initial Calibration Verification (ICV):	[ ]	[ ]

	Yes	No
• Was the ICV made of a 2nd source?	[X]	[ ]
• Was the mid level (2nd source) recovery within 85 - 115%?		
6. Continuing Calibration Verification (CCV): {Daily calibration}		
• Was midpoint calibration standard conducted at the beginning of the day?	[X]	[ ]
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	[X]	[ ]
• Was midpoint calibration standard conducted after the last sample of the day?	[X]	[ ]
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[X]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	[ ] N/A	[ ]
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed?	[ ]	[ ]
• Were all identified hits confirmed on a second column?	[ ]	[ ]
• Was RPD of target analyte confirmation ≤ 40?	[ ]	[ ]
• Was there a shoulder on the 2,4,6-TNT peak?	[ ]	[ ]
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with "**J**" accordingly.	[ ]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[X]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[X]	[ ]

	Yes	No
• MS/MSD: Were the percent recoveries within limits?	NA [ ]	[ ]
Were the RPDs within control limits?		
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	N	[ ]

9. Comments (attach additional sheets if necessary):

RSDs RDX-1L = conf column - not reported on 1°

Validated/Reviewed by:

Signature: P. Meeks Date: 6/8/14

Name: P. Meeks

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST

0765J-0020M 11/21 11:11
0765B-0102M 12/20 13:49
0765B-0114M 21:13

Project Name: RVAAP -76 CR Sites R1

Laboratory: TA-Sac

Batch Number(s): _____

Sample Delivery Group: 18544-5 ~~17317~~ 17422-1

	Yes	No
1. Holding Time: Were samples analyzed within holding time?	[N]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	[ ]	[N]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[N]	[ ]
• Was the manual integration necessary?	[N]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[ ]
• Was the percentage "D" for QC/MRL ≤ 30%?	[N]	[ ]
5. Initial Calibration Verification (ICV):	[N]	[ ]

	Yes	No
• Was the ICV made of a 2nd source?	[N]	[ ]
• Was the mid level (2nd source) recovery within 85 - 115%?		
6. Continuing Calibration Verification (CCV): {Daily calibration}		
• Was midpoint calibration standard conducted at the beginning of the day?	[N]	[ ]
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	[N]	[ ]
• Was midpoint calibration standard conducted after the last sample of the day?	[ ]	[ ]
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[ ]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	[N]	[ ]
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed? N/A	[ ]	[ ]
• Were all identified hits confirmed on a second column?	[N]	[ ]
• Was RPD of target analyte confirmation ≤ 40?	[ ]	[N]
• Was there a shoulder on the 2,4,6-TNT peak? N/A	[ ]	[ ]
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with **"J"** accordingly.	[ ]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[N]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[N]	[ ]

	Yes	No
• MS/MSD: Were the percent recoveries within limits?	[N]	[ ]
Were the RPDs within control limits?		
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	[N]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: _____ Date: _____

Name: _____

07655 MS/MSD - OK + propellants
07655 tetryl interference = 109%
ICAL RDX %RSD 20% } all samples
2,NT 16% }

tetryl = 0.0189 mg/kg 320-6026/1-A on CN

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST

.14

Project Name: RVAAP CR Site 78 0785B-0016M-0001- SO EXTprep

Laboratory: TA- N. Canton

Batch Number(s): _____

Sample Delivery Group: 240-22559

	Yes	No
1. Holding Time: Were samples analyzed within holding time?	[X]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[X]	[ ]
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	[N]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[N]	[ ]
• Was the manual integration necessary?	[N]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[X]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[ ]
• Was the percentage "D" for QC/MRL ≤ 30%?	[X]	[ ]
5. Initial Calibration Verification (ICV):	[X]	[ ]

	Yes	No
• Was the ICV made of a 2nd source?	[ ]	[ ]
• Was the mid level (2nd source) recovery within 85 - 115%?		
6. Continuing Calibration Verification (CCV): {Daily calibration}		
• Was midpoint calibration standard conducted at the beginning of the day?	[ ]	[ ]
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	[ ]	[ ]
• Was midpoint calibration standard conducted after the last sample of the day?	[ ]	[ ]
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[ ]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	[ ]	[ ]
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed?	[ ]	[ ]
• Were all identified hits confirmed on a second column?	[ ]	[ ]
• Was RPD of target analyte confirmation ≤ 40?	[ ]	[ ]
• Was there a shoulder on the 2,4,6-TNT peak?	[ ]	[ ]
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with **"J"** accordingly.	[ ]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]

	Yes	No
• MS/MSD: Were the percent recoveries within limits? none	[ ]	[ ]
Were the RPDs within control limits?		
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	[~~-~~]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: PMM MS Date: 6/2/14

Name: Patti Mc

NITROAROMATICS & NITRAMINE DATA ANALYSIS (EXPLOSIVE RESIDUES) CHECKLIST

079SW-0311-0001-SW

Project Name: RVAAP CR Site 79

Laboratory: TA-North Canton

Batch Number(s): _____

Sample Delivery Group: 240-22662

	Yes	No
1. Holding Time: Were samples analyzed within holding time?	[/]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did the RSD meet the criteria ≤ 20% for each individual Calibration Compound or r ≥ 0.99?	[N]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[N]	[ ]
• Was the manual integration necessary?	[N]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[ ]
• Was the percentage "D" for QC/MRL ≤ 30%?	[N]	[ ]
5. Initial Calibration Verification (ICV):	[N]	[ ]

	Yes	No
• Was the ICV made of a 2nd source?	[X]	[ ]
• Was the mid level (2nd source) recovery within 85 - 115%?		
6. Continuing Calibration Verification (CCV): {Daily calibration}		
• Was midpoint calibration standard conducted at the beginning of the day?	[X]	[ ]
• Was midpoint calibration standard conducted every ten samples or every twelve hours?	[X]	[ ]
• Was midpoint calibration standard conducted after the last sample of the day?	[X]	[ ]
• Did the CCV meet the minimum requirements (D ≤ 15% with a maximum D ≤ 20% for a specific compound if the mean D ≤ 15%)?	[X]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	N/A [ ]	[ ]
• Were all identified hits, above the initial calibration curve, diluted and reanalyzed?	[ ]	[ ]
• Were all identified hits confirmed on a second column?	[ ]	[ ]
• Was RPD of target analyte confirmation ≤ 40?	[ ]	[ ]
• Was there a shoulder on the 2,4,6-TNT peak?	[ ]	[ ]
If the answer is "Yes", then tetryl decomposition is suspected. Peak height rather than peak area should be used for calculating TNT concentration. If teryl was identified in aqueous samples, was pH adjusted to <3? If the answer is "No", then check for tetryl decomposition, and qualify hits with **"J"** accordingly.	[ ]	[ ]
8. Sample Quality Control:	[X]	[ ]
• Method Blanks: Were target analytes ≤ 1/2 MRL?		
• LCS: Were the percent recoveries for LCS within the limits?	[X]	[ ]

	Yes	No
• MS/MSD: Were the percent recoveries within limits?	[N]	[ ]
Were the RPDs within control limits?		
• System Monitoring Compounds (Surrogates): Were surrogate recoveries within QC limits?	[N]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: R. Meeks Date: 6/3/14

Name: R. Meeks

MS/D: NG, EX - OK

Report Date: 22-Apr-2013 15:47:18 Chrom Revision: 2.1 07-Apr-2013 20:36:54

TestAmerica Sacramento

Data File: \\SACChrom\ChromData\LC11\20130416-3912.b\P-000091.D

Injection Date: 20-Apr-2013 01:03:20 Limit Group: LC 8330B ICAL

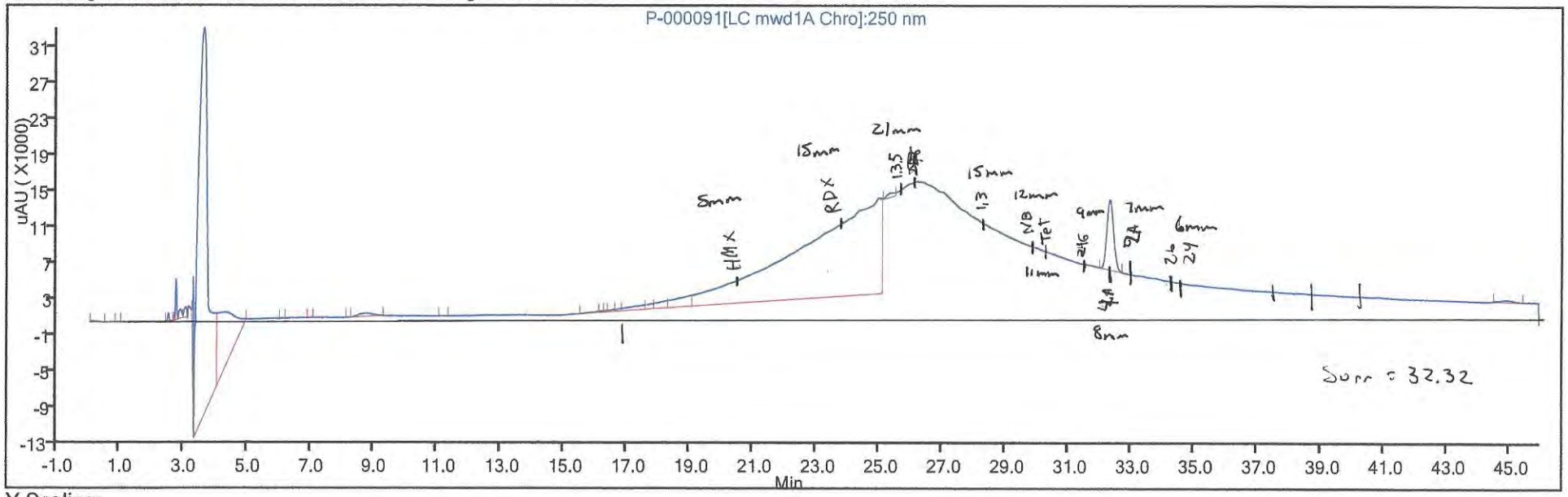
Client ID: 079SW-0311-0001,0002-SW Instrument ID: LC11

Lims Batch ID: 14412 Lims Sample ID: 90

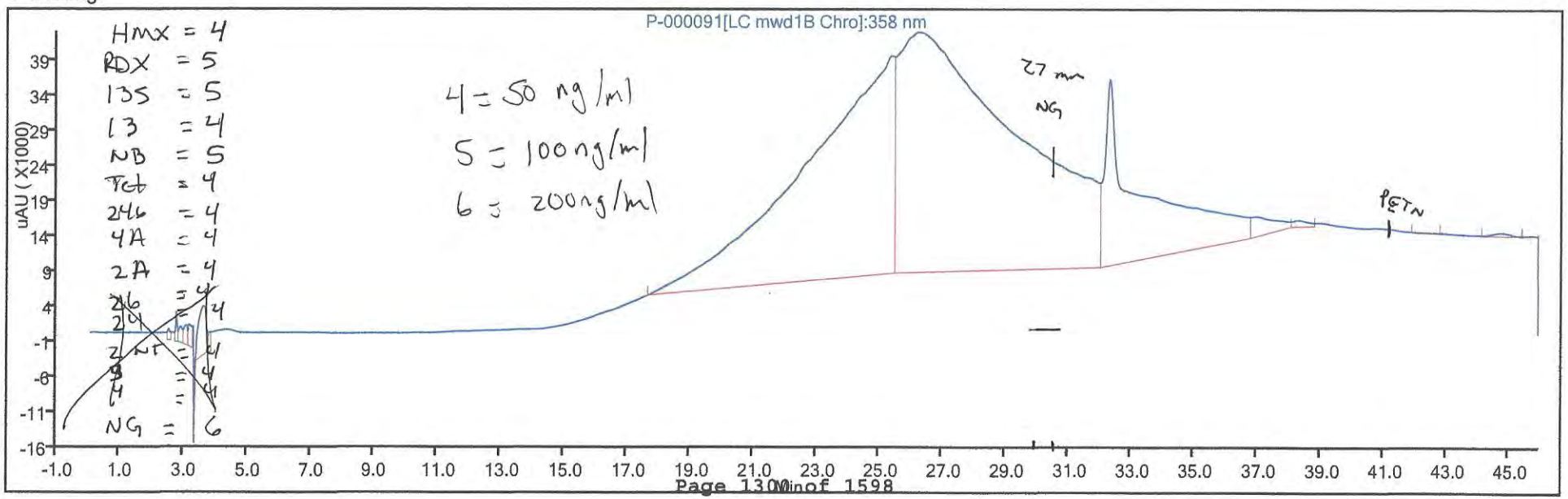
Operator ID: KR/RN Injection Vol: 500.0 ul

Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Y Scaling:



POLY CHLORINATED BIPHENYLS (PCB/AROCLORS) CHECKLIST

Project Name: RVAAP-76 CR Sits R1 0765S-0020M-0001 0765B-0102M-0001

Laboratory: TA - N. Canton

Batch Number(s): _____

Sample Delivery Group: 17422-1, 18544-1

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[N]	[ ]
(b) Were samples analyzed within holding time?	[N]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[ ]	[ ]
• Did Aroclors 1016 and 1260 meet the RSD ≤ 20% or the r ≥ 0.99?	[N]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[N]	[ ]
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[ ]
• Was the QC/MRL between 70-130% R	[ ]	[ ]
5. Initial Calibration Verification (ICV):		
Is the mid level (2nd source) recovery within 85 - 115%?	[N]	[ ]

	Yes	No
6. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[ ]	[ ]
• Was Drift or D ≤ 15% from the initial calibration with a maximum %D < 20% for a specific compound?	[ ]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	N/A [ ]	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[ ]	[ ]
• Were identified Aroclors confirmed on a second GC column?	[ ]	[ ]
• Were individual Aroclor standards used to determine the pattern of the peaks? (Individual Aroclors are 1221, 1232, 1242, 1248, and 1254. Both Aroclor 1016, and 1260 can be used from the mixed calibration standards.)	[ ]	[ ]
• Was RPD of target analyte conformation ≤ 40?	N/A [ ]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]
• MS/MSD: Were the percent recoveries within limits? — 0020M	[ ]	[ ]
Were the RPDs within control limits?	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[ ]	[ ]

9. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patt Meeks Date: 4/22/14

Name: Patt. Meeks

POLY CHLORINATED BIPHENYLS (PCB/AROCLORS) CHECKLIST

Project Name: RVAAP CR Sites 68, 69, 73, 74, 78, 79

Laboratory: TA-North Canton

Batch Number(s): 65400, 499, 64779, 65153, 80730, -548, 81544, -730

Sample Delivery Group: 240-17317-17422, -17477, -17525, -22559, -22648, -22662, -22804

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[✓]	[ ]
(b) Were samples analyzed within holding time?	[✓]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[✓]	[ ]
• Did Aroclors 1016 and 1260 meet the RSD ≤ 20% or the r ≥ 0.99? All Aroclors	[✓]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents. baseline/split peaks	[✓]	[ ]
• Was the manual integration necessary? If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**	[✓]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[✓]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[✓]	[ ]
• Was the QC/MRL between 70-130% R	[✓]	[ ]
5. Initial Calibration Verification (ICV):		
Is the mid level (2nd source) recovery within ~~85 - 115%~~? QSM 80-120 see comments MC	[✓]	[✓]

	Yes	No
6. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[✓]	[ ]
• Was Drift or D ≤ ~~15%~~ QSM 20% from the initial calibration with a maximum %D < 20% for a specific compound?	[✓]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires? QC only — no sample detects	[✓]	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
• Were identified Aroclors confirmed on a second GC column? QC	[✓]	[ ]
• Were individual Aroclor standards used to determine the pattern of the peaks? (Individual Aroclors are 1221, 1232, 1242, 1248, and 1254. Both Aroclor 1016, and 1260 can be used from the mixed calibration standards.)	[✓]	[ ]
• Was RPD of target analyte conformation ≤ 40?	[✓]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL? ND	[✓]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[✓]	[ ]
• MS/MSD: Were the percent recoveries within limits?	[✓]	[ ]
Were the RPDs within control limits?	[✓]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[✓]	[ ]

9. MC

10. Comments (attach additional sheets if necessary):

ICAL #P12 4.1.
ICV - Aroclor 1221: one of 3 peaks missed on primary column / secondary acceptable
- Samples qualified UJ/C: 0785B-0008M-0001-SO
0785B-0016M-0001-SO
0785B-0053M-0001-SO
079W-03M-0001-SW

Validated/Reviewed by:

Signature: M A Calvin

Date: 6.3.2014

Name: L.S. Calvin

ORGANOCHLORINE PESTICIDES ANALYSIS CHECKLIST

Project Name: RVAAP-76 CR Sites RI 07655-0020M-0001-SO

Laboratory: TA-W Canton 4/28 10:32

Batch Number(s): — 5X

Sample Delivery Group: 19422-1

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[N]	[ ]
(b) Were samples analyzed within holding time?	[N]	[ ]
2. DDT/Endrin Breakdown:		
• Was breakdown ≤ 15%?	[N]	[ ]
3. Initial Calibration:		
• Did the initial calibration consist of five standards?	[N]	[ ]
• Did all compounds meet the RSD ≤ 20% or r ≥ 0.99?	[N]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[N]	[ ]
• Was the manual integration necessary? If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**	[N]	[ ]
4. QCMDL:		
• Was MDL Check performed?	[ ]	[ ]
5. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[ ]
• Was the QC/MRL between 70-130% R	[N]	[ ]

	Yes	No
6. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 85 - 115%?	[ ]	[N]
7. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[N]	[ ]
• Was Drift or D ≤ 15% from the initial calibration with a maximum D ≤ 20% for a specific compound? affecting result	[N]	[ ]
8. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires? N/A	[ ]	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[ ]	[ ]
• Were identified compounds confirmed on a second GC column?	[ ]	[ ]
• Was RPD of target analyte confirmation ≤ 40?	[ ]	[ ]
9. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[N]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]
• MS/MSD: Were the percent recoveries within limits?	[N]	[ ]
Were the RPD within control limits? (0020M)	[N]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[N]	[ ]

10. Comments (attach additional sheets if necessary):

Validated/Reviewed by:

Signature: Patti Meeks Date: 4/22/14

Name: Patti Meeks

Tox peak ↓ ~~-20.9%~~ -34.0 %R in ICV

ORGANOCHLORINE PESTICIDES ANALYSIS CHECKLIST

Project Name: RVAAP CR Sites 73, 78, 79

Laboratory: TA-North Canton

Batch Number(s): 65500, 80549, 80736

Sample Delivery Group: 240-17422, -22559, -22462

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[✓]	[ ]
(b) Were samples analyzed within holding time?	[✓]	[ ]
2. DDT/Endrin Breakdown:		
• Was breakdown ≤ 15%?	[✓]	[ ]
3. Initial Calibration:		
• Did the initial calibration consist of five standards?	[✓]	[ ]
• Did all compounds meet the RSD ≤ 20% or r ≥ 0.99?	[✓]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[✓]	[ ]
• Was the manual integration necessary? If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**	[✓]	[ ]
4. QCMDL:		
• Was MDL Check performed?	[ ]	[✓]
5. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[✓]	[ ]
• Was the QC/MRL between 70-130% R see comments	[ ]	[✓]

	Yes	No
6. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within ~~85 - 115%~~? QSM 80-120 see comments WC	[X]	[✓]
7. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[✓]	[ ]
• Was Drift or D ≤ ~~15%~~ from the initial calibration with a maximum D ≤ 20% for a specific compound? QSM 20%	[✓]	[ ]
8. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	[✓]	[ ]
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
• Were identified compounds confirmed on a second GC column?	[✓]	[ ]
• Was RPD of target analyte confirmation ≤ 40?	[✓]	[ ]
9. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL? ND	[✓]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[✓]	[ ]
• MS/MSD: Were the percent recoveries within limits? N/A	[ ]	[ ]
Were the RPD within control limits? ↓	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[✓]	[ ]

U.S. Army Corps of Engineers Louisville District - LCG

10. MC

9. Comments (attach additional sheets if necessary):

- 3 ICVs had toxaphene peak outliers:

HP9 11.28	HP9 4.3	HP3 3.14
1° -20.9, 53.7	-26.2, 40.5	↑ (N/A - ND)
2° -34.0, 88.2	-33.9, -39.1, 60.1	-32.8, -36.4, -33.3, 72.2
↓	↓	↓
01355-0002M-0001-SO	01355-0016M-0001-SO	079W-0311-0001-SW

- Samples qualified UJ/C

MRL assoc. w/ 01355-0016M-0001-SO 4,4'-DDD 68% UJ/C

Validated/Reviewed by:

Signature: M A Calvin Date: 6.4.2014

Name: L.S. Calvin

MC

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: LVAAP Site 68

Laboratory: TA - N. Canton

Batch Number(s): _____

Sample Delivery Group: 17317, 17422, 17477, 22648

06855-0003M (17317-7) 11/21 1338
06850-0009 (17422-9) 11/26 13:12
06850-0046 (17477-4) 11/16 14:08
06850-0053M (+7 22648-58) ~~3/22 1118~~ 4/18 2215

	Yes	No
1. Sample Holding Time:		
(a) Were samples extracted within holding time?	[X]	[ ]
(b) Were samples analyzed within holding time?	[ ]	[ ]
2. Instrument Tuning:		
Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[X]	[ ]
3. Ion Mass Assignments:		
Was mass assignment based on m/z 198?	[X]	[ ]
4. Ion Abundance:		
Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:		
m/z — Acceptance Criteria		
51 — 30.0 - 60.0 %	[X]	[ ]
68 — < 2% of mass 69	[X]	[ ]
70 — < 2% of mass 69	[X]	[ ]
127 — 40-60%	[X]	[ ]
197 — < 1%	[X]	[ ]
198 — 100%, Base peak	[X]	[ ]
199 — 5-9%	[X]	[ ]
275 — 10 - 30%	[X]	[ ]
365 — > 1%	[X]	[ ]
441 — present but < mass 443	[X]	[ ]
442 — > 40%	[X]	[ ]
443 — 17-23% of mass 442	[X]	[ ]

	Yes	No
5.0 Initial Calibration:		
• Did the initial calibration consist of five or more standards?	5-stds [ ] more [ ]	[ ] [ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.		
Was the linear model applied?	[ ]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
N-nitroso-di-n-propylamine 0.05	[ ]	[ ]
Hexachlorocyclopentadiene 0.05	[ ]	[ ]
2,4-dinitrophenol 0.05	[ ]	[ ]
4-nitrophenol 0.05	[ ]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?		
Base/Neutral Fraction:		
Acenaphthene	[ ]	[ ]
1,4-Dichlorobenzene	[ ]	[ ]
Hexachlorobutadiene	[ ]	[ ]
Diphenylamine	[ ]	[ ]
Di-n-octylphthalate	[ ]	[ ]
Fluoranthene	[ ]	[ ]
Benzo(a)pyrene	[ ]	[ ]
Acid Fraction:		
4-Chloro-3-methylphenol	[ ]	[ ]
2,4-Dichlorophenol	[ ]	[ ]
2-Nitrophenol	[ ]	[ ]
Phenol	[ ]	[ ]
Pentachlorophenol	[ ]	[ ]
2,4,6-Trichlorophenol	[ ]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?	[ ]	[ ]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?	[ ] [ ]	[ ] [ ]

	Yes	No
• Was manual integration "M" performed?	[ ]	[ ]
If the answer is "Yes", check for supporting documents.		
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		

6. QCMDL:

• Was MDL Check performed?	[ ]	[ ]

7. QCMRL:

• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	[ ]
• Was the QC/MRL between 70-130% R	[ ]	[ ]
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)? N/A	[ ]	[ ]

8. Initial Calibration Verification (ICV):

• Is the mid level (2nd source) recovery within 70-130% for contaminants of concern ?	[ ]	[ ]
• Is the mid level (2nd source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)? N/A	[ ]	[ ]

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?	[ ]	[ ]
• Did any of SPCC meet the minimum RF values?	[ ]	[ ]

		Yes	No
N-nitroso-di-n-propylamine	0.05	[ ]	[ ]
Hexachlorocyclopentadiene	0.05	[ ]	[ ]
2,4-dinitrophenol	0.05	[ ]	[ ]
4-nitrophenol	0.05	[ ]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[ ]	[ ]
1,4-Dichlorobenzene	[ ]	[ ]
Hexachlorobutadiene	[ ]	[ ]
Diphenylamine	[ ]	[ ]
Di-n-octylphthalate	[ ]	[ ]
Fluoranthene	[ ]	[ ]
Benzo(a)pyrene	[ ]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[ ]	[ ]
2,4-Dichlorophenol	[ ]	[ ]
2-Nitrophenol	[ ]	[ ]
Phenol	[ ]	[ ]
Pentachlorophenol	[ ]	[ ]
2,4,6-Trichlorophenol	[ ]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [ ] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [ ] [ ]
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [ ] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [ ] [ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]
• MS/MSD: Were the percent recoveries within limits?	[ ]	[ ]
Were the RPD within control limits?	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[ ]	[ ]

12. Comments (attach additional sheets if necessary):

MS/D on 3M : BaP ↓ MSD (46%, 50-110%)
~~benzoic acid 0+0~~ keep 0-110%) R/Q
4-CA MS ↓ (8%, 10-95%)
3,3' 4/6%, 10-130% R/Q

MRL 46DN-2MP 69% + 24DNP 50% 3M, ghi 62%, n-ndpa 0} 3M
hexachloroethane 69%, a,h 240%
0685S ← g,h,i (58%), a,h (65%), 24DNP (68%), indeno (66%) ~~hexachloropentadiene~~ (10%)
LCS - 0685D benzoic acid U
MS/D on 0685D benzoic acid 0/0% (0-110)
4-chloroaniline RPD 74% due to low MS (9/21, 10-95)
3,3' (0/0, 10-130%)
Validated/Reviewed by: 3-nitroaniline (9/17, 25-110%) RPD 64%
4-NA (21/23, 35-115%)
MRL 24DNP MRL 61% - 0685B

Signature: P. Meels Date: 6/5/14

Name: P. Meels

bis MB = 20.5 ug/kg U/B @ Level 0685S
= 22.1 ug/kg U/B @ level 0685D
22.4 U/B @ level 0685SB

M/SD on 3,3' 0,2%, 14DCB (33% RPD), 13DCB (33% RPD), 12DCB (34% RPD) ah (36% RPD
2chloroisoprop (32% RPD) 2 chloroethyl (35% RPD), ghi (31% RPD)
n-Octyl (38% RPD), hexachbuta (32), hexceth (31%), indno (34%)
124 TCB (31)

NO ICAL ~~HPW~~ 11/7/12

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

17525-1 0695S-00CM 11/28 1009
17602-9 0695B-00BM 11/29 1736

Project Name: CR Site 69

Laboratory: TA-N Canton

Batch Number(s): _____

Sample Delivery Group: 17525, 17602

	Yes	No
1. Sample Holding Time:		
(a) Were samples extracted within holding time?	[Y]	[ ]
(b) Were samples analyzed within holding time?	[Y]	[ ]
2. Instrument Tuning:		
Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[Y]	[ ]
3. Ion Mass Assignments:		
Was mass assignment based on m/z 198?	[Y]	[ ]
4. Ion Abundance:		
Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:		
m/z — Acceptance Criteria		
51 — 30.0 - 60.0 %	[Y]	[ ]
68 — < 2% of mass 69	[Y]	[ ]
70 — < 2% of mass 69	[Y]	[ ]
127 — 40-60%	[Y]	[ ]
197 — < 1%	[Y]	[ ]
198 — 100%, Base peak	[Y]	[ ]
199 — 5-9%	[Y]	[ ]
275 — 10 - 30%	[Y]	[ ]
365 — > 1%	[Y]	[ ]
441 — present but < mass 443	[Y]	[ ]
442 — > 40%	[Y]	[ ]
443 — 17-23% of mass 442	[Y]	[ ]

	Yes	No
5.0 Initial Calibration:		
• Did the initial calibration consist of five or more standards?	5-stds [ ] more [ ]	[ ] [ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.		
Was the linear model applied?	[ ]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
N-nitroso-di-n-propylamine (RF 0.05)	[ ]	[ ]
Hexachlorocyclopentadiene (RF 0.05)	[ ]	[ ]
2,4-dinitrophenol (RF 0.05)	[ ]	[ ]
4-nitrophenol (RF 0.05)	[ ]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?		
Base/Neutral Fraction:		
Acenaphthene	[ ]	[ ]
1,4-Dichlorobenzene	[ ]	[ ]
Hexachlorobutadiene	[ ]	[ ]
Diphenylamine	[ ]	[ ]
Di-n-octylphthalate	[ ]	[ ]
Fluoranthene	[ ]	[ ]
Benzo(a)pyrene	[ ]	[ ]
Acid Fraction:		
4-Chloro-3-methylphenol	[ ]	[ ]
2,4-Dichlorophenol	[ ]	[ ]
2-Nitrophenol	[ ]	[ ]
Phenol	[ ]	[ ]
Pentachlorophenol	[ ]	[ ]
2,4,6-Trichlorophenol	[ ]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?	[ ]	[ ]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?	[ ] [ ]	[ ] [ ]

	Yes	No
• Was manual integration "M" performed?	[ ]	[ ]
If the answer is "Yes", check for supporting documents.		
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
6. QCMDL:		
• Was MDL Check performed?	[ ]	[ ]
7. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	[ ]
• Was the QC/MRL between 70-130% R	[ ]	[ ]
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)?	[ ]	[ ]
8. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 70-130% for contaminants of concern ?	[ ]	[ ]
• Is the mid level (2nd source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)?	[ ]	[ ]
9. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[ ]	[ ]
• Did any of SPCC meet the minimum RF values?	[ ]	[ ]

		Yes	No
N-nitroso-di-n-propylamine	0.05	[ ]	[ ]
Hexachlorocyclopentadiene	0.05	[ ]	[ ]
2,4-dinitrophenol	0.05	[ ]	[ ]
4-nitrophenol	0.05	[ ]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[ ]	[ ]
1,4-Dichlorobenzene	[ ]	[ ]
Hexachlorobutadiene	[ ]	[ ]
Diphenylamine	[ ]	[ ]
Di-n-octylphthalate	[ ]	[ ]
Fluoranthene	[ ]	[ ]
Benzo(a)pyrene	[ ]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[ ]	[ ]
2,4-Dichlorophenol	[ ]	[ ]
2-Nitrophenol	[ ]	[ ]
Phenol	[ ]	[ ]
Pentachlorophenol	[ ]	[ ]
2,4,6-Trichlorophenol	[ ]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [ ] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [ ] [ ]
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [ ] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [ ] [ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]
• MS/MSD: Were the percent recoveries within limits?	[ ]	[ ]
Were the RPD within control limits?	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[ ]	[ ]

12. Comments (attach additional sheets if necessary):

LCS 0001M Benzoic acid U - R/L – raw data shows OK
MS/D 0001M " " " R/Q & 3,3' U R/Q
46 DN 2 MP OK/0, 200 30-135 (10-130)
4 NP OK, 0, 200 15-146
MRL 0001M N.D phenol 0%
~~FCV 0001M 3,3' 21.1% yes → 0013M~~
MB- b.s 19.8 U/B 0013M

Validated/Reviewed by:

Signature: P. Meek Date: 6/6/14

Name: P. Meek

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

07355-0002m (17422-5) 11/26 1508
07358-0016m (22648-1) 4/16 1315
07351-0047 (22648-11) 4/16 1714
07358-0009m (18441-23) 12/18 1922
07353-0038m (22663-14) ~~5/5 0057~~ 5/3 1648

Project Name: RVAAP CR Site 73

Laboratory: TA-N. Canton

Batch Number(s): _____

Sample Delivery Group: 17422, 18441, 22648, 22663

	Yes	No	
1. Sample Holding Time:			
(a) Were samples extracted within holding time?	[ ]	[✓]	0038m 11d past
(b) Were samples analyzed within holding time?	[✓]	[ ]	
2. Instrument Tuning: Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[✓]	[ ]	
3. Ion Mass Assignments: Was mass assignment based on m/z 198?	[✓]	[ ]	
4. Ion Abundance: Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:			
m/z — Acceptance Criteria			
51 — 30.0 - 60.0 %	[✓]	[ ]	
68 — < 2% of mass 69	[✓]	[ ]	
70 — < 2% of mass 69	[✓]	[ ]	
127 — 40-60%	[✓]	[ ]	
197 — < 1%	[✓]	[ ]	
198 — 100%, Base peak	[✓]	[ ]	
199 — 5-9%	[✓]	[ ]	
275 — 10 - 30%	[✓]	[ ]	
365 — > 1%	[✓]	[ ]	
441 — present but < mass 443	[✓]	[ ]	
442 — > 40%	[✓]	[ ]	
443 — 17-23% of mass 442	[✓]	[ ]	

	Yes	No
5.0 Initial Calibration:		
• Did the initial calibration consist of five or more standards?	5-stds [X] more [ ]	[ ] [ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.		
Was the linear model applied?	[X]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
N-nitroso-di-n-propylamine 0.05	[X]	[ ]
Hexachlorocyclopentadiene 0.05	[X]	[ ]
2,4-dinitrophenol 0.05	[X]	[ ]
4-nitrophenol 0.05	[X]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?		
Base/Neutral Fraction:		
Acenaphthene	[X]	[ ]
1,4-Dichlorobenzene	[X]	[ ]
Hexachlorobutadiene	[X]	[ ]
Diphenylamine	[X]	[ ]
Di-n-octylphthalate	[X]	[ ]
Fluoranthene	[X]	[ ]
Benzo(a)pyrene	[X]	[ ]
Acid Fraction:		
4-Chloro-3-methylphenol	[X]	[ ]
2,4-Dichlorophenol	[X]	[ ]
2-Nitrophenol	[X]	[ ]
Phenol	[X]	[ ]
Pentachlorophenol	[X]	[ ]
2,4,6-Trichlorophenol	[X]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?	[X]	[ ]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?	[ ] [ ]	[ ] [ ]

	Yes	No
• Was manual integration "M" performed?	[N]	[ ]
If the answer is "Yes", check for supporting documents.		
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		

6. QCMDL:

• Was MDL Check performed?	[ ]	[N]

7. QCMRL:

• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[N]	[ ]
• Was the QC/MRL between 70-130% R	[ ]	[N]
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)? N/A	[ ]	[ ]

8. Initial Calibration Verification (ICV):

• Is the mid level (2nd source) recovery within ~~70-130%~~ ±20 for contaminants of concern ?	[ ]	[N]
• Is the mid level (2nd source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)? N/A	[ ]	[ ]

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?	[N]	[ ]
• Did any of SPCC meet the minimum RF values?	[N]	[ ]

		Yes	No
N-nitroso-di-n-propylamine	0.05	[✓]	[ ]
Hexachlorocyclopentadiene	0.05	[✓]	[ ]
2,4-dinitrophenol	0.05	[✓]	[ ]
4-nitrophenol	0.05	[ ]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[✓]	[ ]
1,4-Dichlorobenzene	[✓]	[ ]
Hexachlorobutadiene	[✓]	[ ]
Diphenylamine	[✓]	[ ]
Di-n-octylphthalate	[✓]	[ ]
Fluoranthene	[✓]	[ ]
Benzo(a)pyrene	[✓]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[✓]	[ ]
2,4-Dichlorophenol	[✓]	[ ]
2-Nitrophenol	[✓]	[ ]
Phenol	[✓]	[ ]
Pentachlorophenol	[✓]	[ ]
2,4,6-Trichlorophenol	[✓]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [✓] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [✓] [ ]
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [✓] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [✓] [ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]
• MS/MSD: Were the percent recoveries within limits?	[ ]	[ ]
Were the RPD within control limits?	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[ ]	[ ]

12. Comments (attach additional sheets if necessary):

07355-0002M MB bis :22.1 but ND, LCS benz acid Ø
MRL : ghi (58), gh (65), 24DNP (68), indno (66), hexa
07358-0016M, 07358 MRL : hexachloroethane 44%
LCS benzoic acid U - R/L 0009M (68752), 0038M (664)
ICV 3,3' -21.1% 0009M, 0047
MRL 0038M 24DNP 39% 46DN2MP 58%

Validated/Reviewed by:

Signature: P. Meeks Date: 6/6/14

Name: P Meeks

MB bis = 28.2 : 16M + 0047
bi-n-butyl 15.5 : 0016M

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: RVAAP CR Site 74

Laboratory: TA - N Canton

Batch Number(s):

Sample Delivery Group: 22756, 22804

0745B-0002 (-2) 4/19 1855
0745B-0010 (-4) 4/28 1905
0745B-0027 (-10) 4/23 1553

		Yes	No	
1.	Sample Holding Time:			-10 8d past
	(a) Were samples extracted within holding time?	[ ]	[X]	
	(b) Were samples analyzed within holding time?	[X]	[ ]	
2.	Instrument Tuning: Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[X]	[ ]	
3.	Ion Mass Assignments: Was mass assignment based on m/z 198?	[X]	[ ]	
4.	Ion Abundance: Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:			
	m/z — Acceptance Criteria			
	51 — 30.0 - 60.0 %	[X]	[ ]	
	68 — < 2% of mass 69	[X]	[ ]	
	70 — < 2% of mass 69	[X]	[ ]	
	127 — 40-60%	[X]	[ ]	
	197 — < 1%	[X]	[ ]	
	198 — 100%, Base peak	[X]	[ ]	
	199 — 5-9%	[X]	[ ]	
	275 — 10 - 30%	[X]	[ ]	
	365 — > 1%	[X]	[ ]	
	441 — present but < mass 443	[X]	[ ]	
	442 — > 40%	[X]	[ ]	
	443 — 17-23% of mass 442	[X]	[ ]	

	Yes	No
5.0 Initial Calibration:		
• Did the initial calibration consist of five or more standards?	5-stds [ ] more [ ]	[ ] [ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.		
Was the linear model applied?	[ ]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
N-nitroso-di-n-propylamine 0.05	[ ]	[ ]
Hexachlorocyclopentadiene 0.05	[ ]	[ ]
2,4-dinitrophenol 0.05	[ ]	[ ]
4-nitrophenol 0.05	[ ]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?		
Base/Neutral Fraction:		
Acenaphthene	[ ]	[ ]
1,4-Dichlorobenzene	[ ]	[ ]
Hexachlorobutadiene	[ ]	[ ]
Diphenylamine	[ ]	[ ]
Di-n-octylphthalate	[ ]	[ ]
Fluoranthene	[ ]	[ ]
Benzo(a)pyrene	[ ]	[ ]
Acid Fraction:		
4-Chloro-3-methylphenol	[ ]	[ ]
2,4-Dichlorophenol	[ ]	[ ]
2-Nitrophenol	[ ]	[ ]
Phenol	[ ]	[ ]
Pentachlorophenol	[ ]	[ ]
2,4,6-Trichlorophenol	[ ]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?	[ ]	[ ]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?	[ ] [ ]	[ ] [ ]

	Yes	No
• Was manual integration "M" performed?	[X]	[ ]
If the answer is "Yes", check for supporting documents.		
• Was the manual integration necessary?	[X]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
6. QCMDL:		
• Was MDL Check performed?	[ ]	[X]
7. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[X]	[ ]
• Was the QC/MRL between 70-130% R	[ ]	[X]
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)?	[ ]	[ ]
8. Initial Calibration Verification (ICV):		
• Is the mid level (2^{nd} source) recovery within 70-130% for contaminants of concern ?	[X]	[ ]
• Is the mid level (2^{nd} source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)?	[X]	[ ]
9. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[X]	[ ]
• Did any of SPCC meet the minimum RF values?	[ ]	[ ]

		Yes	No
N-nitroso-di-n-propylamine	0.05	[ ]	[ ]
Hexachlorocyclopentadiene	0.05	[ ]	[ ]
2,4-dinitrophenol	0.05	[ ]	[ ]
4-nitrophenol	0.05	[ ]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[ ]	[ ]
1,4-Dichlorobenzene	[ ]	[ ]
Hexachlorobutadiene	[ ]	[ ]
Diphenylamine	[ ]	[ ]
Di-n-octylphthalate	[ ]	[ ]
Fluoranthene	[ ]	[ ]
Benzo(a)pyrene	[ ]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[ ]	[ ]
2,4-Dichlorophenol	[ ]	[ ]
2-Nitrophenol	[ ]	[ ]
Phenol	[ ]	[ ]
Pentachlorophenol	[ ]	[ ]
2,4,6-Trichlorophenol	[ ]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [ ] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [ ] [ ]
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [ ] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [ ] [ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]
• MS/MSD: Were the percent recoveries within limits? nom	[ ]	[ ]
Were the RPD within control limits?	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[ ]	[ ]

12. Comments (attach additional sheets if necessary):

MB bis = 19.9 U 0002 / Di-n-butyl 24.5 w/ 0027
benzoic acid LCS U but ok For all but - 0010 -
MRL 46 52% 24DNP 40% - 0002
24 DNP 49 - ~~0010~~ 0027
benzoic acid 65% w/ 0010

Validated/Reviewed by:

Signature: P. Meeks Date: 6/6/14

Name: P. Meeks

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: RVAAP Site 76 (CR)

Laboratory: TA-North Canton

Batch Number(s): MC 65171, 65503, 69176, 69185

Sample Delivery Group: 17422, 18544

		Yes	No
1.	Sample Holding Time:		
	(a) Were samples extracted within holding time?	[✓]	[ ]
	(b) Were samples analyzed within holding time?	[✓]	[ ]
2.	Instrument Tuning:		
	Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[✓]	[ ]
3.	Ion Mass Assignments:		
	Was mass assignment based on m/z 198?	[✓]	[ ]
4.	Ion Abundance:		
	Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:		
	m/z — Acceptance Criteria		
	51 — 30.0 - 60.0 %	[✓]	[ ]
	68 — < 2% of mass 69	[✓]	[ ]
	70 — < 2% of mass 69	[✓]	[ ]
	127 — 40-60%	[✓]	[ ]
	197 — < 1%	[✓]	[ ]
	198 — 100%, Base peak	[✓]	[ ]
	199 — 5-9%	[✓]	[ ]
	275 — 10 - 30%	[✓]	[ ]
	365 — > 1%	[✓]	[ ]
	441 — present but < mass 443	[✓]	[ ]
	442 — > 40%	[✓]	[ ]
	443 — 17-23% of mass 442	[✓]	[ ]

5.0 Initial Calibration:

		Yes	No
• Did the initial calibration consist of five or more standards?	5-stds	[✓]	[ ]
	more	[✓]	[ ]

If the calibration curve consists of 5-standards, check validity of the calibration model.

Was the linear model applied? [✓] [ ]

• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?

	RF		
N-nitroso-di-n-propylamine	0.05	[✓]	[ ]
Hexachlorocyclopentadiene	0.05	[✓]	[ ]
2,4-dinitrophenol	0.05	[✓]	[ ]
4-nitrophenol	0.05	[✓]	[ ]

• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?

Base/Neutral Fraction:

Acenaphthene	[✓]	[ ]
1,4-Dichlorobenzene	[✓]	[ ]
Hexachlorobutadiene	[✓]	[ ]
Diphenylamine	[✓]	[ ]
Di-n-octylphthalate	[✓]	[ ]
Fluoranthene	[✓]	[ ]
Benzo(a)pyrene	[✓]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[✓]	[ ]
2,4-Dichlorophenol	[✓]	[ ]
2-Nitrophenol	[✓]	[ ]
Phenol	[✓]	[ ]
Pentachlorophenol	[✓]	[ ]
2,4,6-Trichlorophenol	[✓]	[ ]

• Are the RSDs for the remaining target analytes ≤ 15%? [✓] [ ]

• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%? N/A [ ] [ ]

	Yes	No
• Was manual integration "M" performed?	[✓]	[ ]
If the answer is "Yes", check for supporting documents.		
• Was the manual integration necessary?	[✓]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons**.		

6. QCMDL:

• Was MDL Check performed?	[✓]	[ ]

7. QCMRL:

• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[✓]	[ ]
• Was the QC/MRL between 70-130% R see attached	[ ]	[✓]
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)? N/A	[ ]	[ ]

8. Initial Calibration Verification (ICV):

• Is the mid level (2nd source) recovery within ~~70-130%~~ 80-120 for contaminants of concern ?	[ ]	[✓]
• Is the mid level (2nd source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)? N/A	[ ]	[ ]

4-bromophenyl phenyl ether 79.5%
WT/C in 0705D-0009-0001-50

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?	[✓]	[ ]
• Did any of SPCC meet the minimum RF values?	[ ]	[ ]

		Yes	No
N-nitroso-di-n-propylamine	0.05	[✓]	[ ]
Hexachlorocyclopentadiene	0.05	[✓]	[ ]
2,4-dinitrophenol	0.05	[✓]	[ ]
4-nitrophenol	0.05	[✓]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

	Yes	No
Acenaphthene	[✓]	[ ]
1,4-Dichlorobenzene	[✓]	[ ]
Hexachlorobutadiene	[✓]	[ ]
Diphenylamine	[✓]	[ ]
Di-n-octylphthalate	[✓]	[ ]
Fluoranthene	[✓]	[ ]
Benzo(a)pyrene	[✓]	[ ]

Acid Fraction:

	Yes	No
4-Chloro-3-methylphenol	[✓]	[ ]
2,4-Dichlorophenol	[✓]	[ ]
2-Nitrophenol	[✓]	[ ]
Phenol	[✓]	[ ]
Pentachlorophenol	[✓]	[ ]
2,4,6-Trichlorophenol	[✓]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [✓] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. N/A [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [✓] [ ]
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [✓] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [✓] [ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL? see comments	[✓]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[✓]	[ ]
• MS/MSD: Were the percent recoveries within limits? see attached	[ ]	[✓]
Were the RPD within control limits?	[✓]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[✓]	[ ]

12. Comments (attach additional sheets if necessary):
MBs bis } U/B at level of contamination in diethyl phth. / 0716C5-0020M-0001-SO
bis } all others except 0009 - detects U/B

Validated/Reviewed by:

Signature: M Calvin Date: 4.19.2014

Name: L.S. Calvin

- MRL standard recoveries were within the reasonable control limit of ±30%, with exceptions affecting sample data noted in the table below. The nondetected results for n-nitrosodiphenylamine were rejected, "R," in the affected samples and the remaining results listed in the table below, all nondetects, were qualified as estimated, "UJ." All qualified results were coded with a "C" qualification code.

Samples qualified for MRL %R outliers		
Analyte	**%R**	**Qualified Samples**
2,4-dinitrophenol	53%	076SD-0009-0001-SO
benzoic acid	63%	
hexachloroethane	58%	
pentachlorophenol	61%	
n-nitrosodiphenylamine	**0%**	076SD-0102M-0001-SO 076SD-0114M-0001-SO

- Bolded results listed in the table below were rejected, "R," for recoveries <10%. Remaining results were qualified as estimated, "J," for detects, or "UJ," for nondetects in the parent sample. All qualified results were coded with a "Q" qualification code. All RPDs were within the control limit of ≤30% listed in DoD QSM Table F-4.

Samples Qualified for MS/MSD Recovery Outliers			
Analyte	**% Recoveries**	**Limits**	**Qualified Parent Sample**
3,3'-dichlorobenzidine	**0% / 0%**	10-130%	076SD-0009-0001-SO
3-nitroaniline	**0% / 0%**	25-110%	
4-chloroaniline	**3% / 3%**	10-95%	
4-nitroaniline	**0% / 0%**	35-115%	
benzo(g,h,i)perylene	32% / 35%	40-125%	
hexachloroethane	19% / 21%	35-110%	
3,3'-dichlorobenzidine	**0% / 0%**	10-130%	076SS-0020M-0001-SO
3-nitroaniline	**8% / 12%**	25-110%	
4-chloroaniline	**5% / 7%**	10-95%	
4-nitroaniline	**19% / 23%**	35-115%	

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: RVAAP SR Site 78

Laboratory: TA- N. Canton

Batch Number(s): _____

Sample Delivery Group: 22559

0785B-0008M (22559-8) 4/12 1910

0785B-0016M (22559-14) 4/12 1822

	Yes	No
1. Sample Holding Time:		
(a) Were samples extracted within holding time?	[X]	[ ]
(b) Were samples analyzed within holding time?	[ ]	[ ]
2. Instrument Tuning: Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[X]	[ ]
3. Ion Mass Assignments: Was mass assignment based on m/z 198?	[X]	[ ]
4. Ion Abundance: Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:		
m/z — Acceptance Criteria		
51 — 30.0 - 60.0 %	[X]	[ ]
68 — < 2% of mass 69	[X]	[ ]
70 — < 2% of mass 69	[X]	[ ]
127 — 40-60%	[X]	[ ]
197 — < 1%	[X]	[ ]
198 — 100%, Base peak	[X]	[ ]
199 — 5-9%	[X]	[ ]
275 — 10 - 30%	[X]	[ ]
365 — > 1%	[X]	[ ]
441 — present but < mass 443	[X]	[ ]
442 — > 40%	[X]	[ ]
443 — 17-23% of mass 442	[X]	[ ]

	Yes	No
5.0 Initial Calibration:		
• Did the initial calibration consist of five or more standards?	5-stds [ ] more [ ]	[ ] [ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.		
Was the linear model applied?	[ ]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
N-nitroso-di-n-propylamine 0.05	[ ]	[ ]
Hexachlorocyclopentadiene 0.05	[ ]	[ ]
2,4-dinitrophenol 0.05	[ ]	[ ]
4-nitrophenol 0.05	[ ]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?		
Base/Neutral Fraction:		
Acenaphthene	[ ]	[ ]
1,4-Dichlorobenzene	[ ]	[ ]
Hexachlorobutadiene	[ ]	[ ]
Diphenylamine	[ ]	[ ]
Di-n-octylphthalate	[ ]	[ ]
Fluoranthene	[ ]	[ ]
Benzo(a)pyrene	[ ]	[ ]
Acid Fraction:		
4-Chloro-3-methylphenol	[ ]	[ ]
2,4-Dichlorophenol	[ ]	[ ]
2-Nitrophenol	[ ]	[ ]
Phenol	[ ]	[ ]
Pentachlorophenol	[ ]	[ ]
2,4,6-Trichlorophenol	[ ]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?	[ ]	[ ]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?	[ ] [ ]	[ ] [ ]

	Yes	No
• Was manual integration "M" performed?	[ ]	[ ]
If the answer is "Yes", check for supporting documents.		
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		

6. QCMDL:

• Was MDL Check performed?	[ ]	[ ]

7. QCMRL:

• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	[ ]
• Was the QC/MRL between 70-130% R	[ ]	[ ]
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)?	[ ]	[ ]

8. Initial Calibration Verification (ICV):

• Is the mid level (2^{nd} source) recovery within 70-130% for contaminants of concern ?	[ ]	[ ]
• Is the mid level (2^{nd} source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)?	[ ]	[ ]

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?	[ ]	[ ]
• Did any of SPCC meet the minimum RF values?	[ ]	[ ]

		Yes	No
N-nitroso-di-n-propylamine	0.05	[ ]	[ ]
Hexachlorocyclopentadiene	0.05	[ ]	[ ]
2,4-dinitrophenol	0.05	[ ]	[ ]
4-nitrophenol	0.05	[ ]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[ ]	[ ]
1,4-Dichlorobenzene	[ ]	[ ]
Hexachlorobutadiene	[ ]	[ ]
Diphenylamine	[ ]	[ ]
Di-n-octylphthalate	[ ]	[ ]
Fluoranthene	[ ]	[ ]
Benzo(a)pyrene	[ ]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[ ]	[ ]
2,4-Dichlorophenol	[ ]	[ ]
2-Nitrophenol	[ ]	[ ]
Phenol	[ ]	[ ]
Pentachlorophenol	[ ]	[ ]
2,4,6-Trichlorophenol	[ ]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [ ] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [ ] [ ]
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [ ] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [ ] [ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]
• MS/MSD: Were the percent recoveries within limits? N/A	[ ]	[ ]
Were the RPD within control limits?	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[ ]	[ ]

12. Comments (attach additional sheets if necessary):

benz acid reported ND in LCS

MRL ghi 62% J/UJ both
46 13, 24 DNP 15, hexachlor 63%

Validated/Reviewed by:

Signature: P. Meeks Date: 6/6/14

Name: P. Meeks

SEMIVOLATILE ORGANIC ANALYSIS CHECKLIST

0979SW-0311-0001-SW 4/1/1957

Project Name: RVAAP CR Site 79

Laboratory: TA-N Canton

Batch Number(s): _____

Sample Delivery Group: 22662

	Yes	No
1. Sample Holding Time:		
(a) Were samples extracted within holding time?	[X]	[ ]
(b) Were samples analyzed within holding time?	[X]	[ ]
2. Instrument Tuning: Was the DFTPP tune performed at the beginning of each 12-hour period during which samples were analyzed?	[X]	[ ]
3. Ion Mass Assignments: Was mass assignment based on m/z 198?	[X]	[ ]
4. Ion Abundance: Indicate if DFTPP ions abundance relative to m/z 198 base peak met the ions abundance criteria:		
m/z — Acceptance Criteria		
51 — 30.0 - 60.0 %	[X]	[ ]
68 — < 2% of mass 69	[X]	[ ]
70 — < 2% of mass 69	[X]	[ ]
127 — 40-60%	[X]	[ ]
197 — < 1%	[X]	[ ]
198 — 100%, Base peak	[X]	[ ]
199 — 5-9%	[X]	[ ]
275 — 10 - 30%	[X]	[ ]
365 — > 1%	[X]	[ ]
441 — present but < mass 443	[X]	[ ]
442 — > 40%	[X]	[ ]
443 — 17-23% of mass 442	[X]	[ ]

	Yes	No
5.0 Initial Calibration:		
• Did the initial calibration consist of five or more standards?	5-stds [✓] more [ ]	[ ] [ ]
If the calibration curve consists of 5-standards, check validity of the calibration model.		
Was the linear model applied?	[✓]	[ ]
• Did the followings System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
N-nitroso-di-n-propylamine 0.05	[✓]	[ ]
Hexachlorocyclopentadiene 0.05	[✓]	[ ]
2,4-dinitrophenol 0.05	[✓]	[ ]
4-nitrophenol 0.05	[ ]	[ ]
• Did the RSD meet the criteria ≤ 30% for the followings each individual Calibration Check Compound (CCC)?		
Base/Neutral Fraction:		
Acenaphthene	[✓]	[ ]
1,4-Dichlorobenzene	[✓]	[ ]
Hexachlorobutadiene	[✓]	[ ]
Diphenylamine	[✓]	[ ]
Di-n-octylphthalate	[✓]	[ ]
Fluoranthene	[✓]	[ ]
Benzo(a)pyrene	[ ]	[ ]
Acid Fraction:		
4-Chloro-3-methylphenol	[✓]	[ ]
2,4-Dichlorophenol	[✓]	[ ]
2-Nitrophenol	[✓]	[ ]
Phenol	[✓]	[ ]
Pentachlorophenol	[✓]	[ ]
2,4,6-Trichlorophenol	[✓]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15%?	[✓]	[ ]
• If the answer is "No", are the mean RSDs ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 30%?	[ ] [ ]	[ ] [ ]

	Yes	No
• Was manual integration "M" performed?	[ ]	[ ]
If the answer is "Yes", check for supporting documents.		
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		

6. QCMDL:

• Was MDL Check performed?	[ ]	[ ]

7. QCMRL:

• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[ ]	[ ]
• Was the QC/MRL between 70-130% R	[ ]	[ ]
• For the non-contaminants of concern was the QC/MRL between 50-150% (Sporadic Marginal Failure)?	[ ]	[ ]

8. Initial Calibration Verification (ICV):

• Is the mid level (2^{nd} source) recovery within 70-130% for contaminants of concern ?	[ ]	[ ]
• Is the mid level (2^{nd} source) recovery within 50-150% for non-contaminants of concern (Sporadic Marginal Failure)?	[ ]	[ ]

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?	[ ]	[ ]
• Did any of SPCC meet the minimum RF values?	[ ]	[ ]

		Yes	No
N-nitroso-di-n-propylamine	0.05	[X]	[ ]
Hexachlorocyclopentadiene	0.05	[X]	[ ]
2,4-dinitrophenol	0.05	[X]	[ ]
4-nitrophenol	0.05	[X]	[ ]

- Did the CCC meet the minimum requirements (D ≤ 20%) for the followings?

Base/Neutral Fraction:

Acenaphthene	[X]	[ ]
1,4-Dichlorobenzene	[X]	[ ]
Hexachlorobutadiene	[X]	[ ]
Diphenylamine	[X]	[ ]
Di-n-octylphthalate	[X]	[ ]
Fluoranthene	[X]	[ ]
Benzo(a)pyrene	[X]	[ ]

Acid Fraction:

4-Chloro-3-methylphenol	[X]	[ ]
2,4-Dichlorophenol	[X]	[ ]
2-Nitrophenol	[X]	[ ]
Phenol	[X]	[ ]
Pentachlorophenol	[X]	[ ]
2,4,6-Trichlorophenol	[X]	[ ]

- Primary Evaluation: Was Drift or D ≤ 20% calculated from the initial calibration? [X] [ ]
- Alternative Evaluation: Maximum allowable Drift/D for each target analyte is ≤ 30%. [ ] [ ]

10. Sample Analysis:

- Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component? [X] [ ]
- Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra? [X] [ ]
- Were the internal standard areas within the QC limits (from -50% to +200%)? [X] [ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[X]
• LCS: Were the percent recoveries for LCS within the limits?	[X]	[ ]
• MS/MSD: Were the percent recoveries within limits? now	[ ]	[ ]
Were the RPD within control limits?	[ ]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[X]	[ ]

12. Comments (attach additional sheets if necessary):
benz acid U in LCS but OK
many J detects in MB but sample ND

Validated/Reviewed by:

Signature: P. M

Date: 6/6/14

Name: P. Meeks

Total Petroleum Hydrocarbons (TPH)
~~POLY CHLORINATED BIPHENYLS~~ ~~(PCB/AROCLORS)~~ CHECKLIST

Project Name: RVAAP CR Site 74

Laboratory: TA - North Canton

Batch Number(s): 82317, 82097

Sample Delivery Group: 240-227560, -22804

	Yes	No
1. Holding Time:		
(a) Were samples extracted within holding time?	[✓]	[ ]
(b) Were samples analyzed within holding time?	[✓]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of five standards?	[✓]	[ ]
• Did ~~Aroclors 1016 and 1260~~ meet the RSD ≤ 20% or the r ≥ 0.99? DRO C10-C28	[ ]	[ ]
• Was manual integration "M" performed? If the answer is "Yes", check for supporting documents.	[ ]	[✓]
• Was the manual integration necessary? N/A	[ ]	[ ]
If the answer is "no", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons.**		
3. QCMDL:		
• Was MDL Check performed?	[ ]	[✓]
4. QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[✓]	[ ]
• Was the QC/MRL between 70-130% R	[✓]	[ ]
5. Initial Calibration Verification (ICV):		
Is the mid level (2nd source) recovery within ~~85 - 115%~~ QSM 80-120?	[✓]	[ ]

	Yes	No
6. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 12 hours?	[✓]	[ ]
QSM 20%		
• Was Drift or D ≤ ~~15%~~ from the initial calibration with a maximum %D < 20% for a specific compound? (those affecting sample data)	[✓]	[ ]
7. Sample Analysis:		
• Was the RRT of an identified component within the retention time window created as SW-846 requires?	[✓]	[ ]
QC (samples ND)		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
• Were identified Aroclors confirmed on a second GC column? N/A	[ ]	[ ]
• Were individual Aroclor standards used to determine the pattern of the peaks? (Individual Aroclors are 1221, 1232, 1242, 1248, and 1254. Both Aroclor 1016, and 1260 can be used from the mixed calibration standards.)	[ ]	[ ]
• Was RPD of target analyte conformation ≤ 40? N/A	[ ]	[ ]
8. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL? ND	[✓]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[✓]	[ ]
• MS/MSD: Were the percent recoveries within limits?	[✓]	[ ]
Were the RPDs within control limits?	[✓]	[ ]
• System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits?	[✓]	[ ]

9. Comments (attach additional sheets if necessary):

QC and standards C10-C28 (diesel)
samples C10-C20, C20-C34

Validated/Reviewed by:

Signature: D.S. Calvin

Date: 6.4.2014

Name: D.S. Calvin

VOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: RVAAP - Site 76 (CR)

Laboratory: TA-North Canton

Batch Number(s): 65171, 68830

Sample Delivery Group (SDG): 17422, 18544

	Yes	No
1. Holding Time:		
(a) Were samples preserved?	[✓]	[ ]
(b) Were samples analyzed within holding time?	[✓]	[ ]
2. Was the BFB tune performed at the beginning of each 12-hour period during which samples were analyzed?	[✓]	[ ]
3. Was mass assignment based on m/z 95?	[✓]	[ ]
4. Indicate if BFB ions abundance relative to m/z 95 base peak met the ions abundance criteria:		

m/z	Acceptance Criteria		
50	15.0 - 40.0 %	[✓]	[ ]
75	30.0 - 66.0 %	[✓]	[ ]
95	**100%, Base Peak**	[✓]	[ ]
96	5.0 - 9.0%	[✓]	[ ]
173	<2.0% of m/z 174	[✓]	[ ]
174	>50%	[✓]	[ ]
175	5.0 - 9.0% of mass 174	[✓]	[ ]
176	95.0 - 101.0% of m/z 174	[✓]	[ ]
177	5.0 - 9.0% of m/z 176	[✓]	[ ]

The relative ion abundance of m/z 95/96, m/z 174/176, and 176/177 are of critical importance.

The relative ion abundance of m/z 50 and 75 are of lower importance.

	Yes	No
5. Initial Calibration:		
• Did the initial calibration consist of five standards?	[1	[ ]
• Did the System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
Chloromethane 0.1	[1	[ ]
1,1-Dichloroethane 0.1	[1	[ ]
Bromoform 0.1	[1	[ ]
Chlorobenzene 0.3	[1	[ ]
1,1,2,2-Tetrachloroethane 0.3	[1	[ ]
• Did the RSD meet the criteria ≤ 30% for each individual Calibration Check Compound (CCC)?		
1,1-Dichloroethene	[1	[ ]
Chloroform	[1	[ ]
1,2-Dichloropropane	[1	[ ]
Toluene	[1	[ ]
Ethylbenzene	[1	[ ]
Vinyl chloride	[1	[ ]
• Are the RSDs for the remaining target analytes ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 20%?	[1	[ ]
If the answer is "No", are the mean RSDs ≤ 15%? N/A	[ ]	[ ]
• Was manual integration "M" performed?	[ ]	[1
If the answer is "Yes", check for supporting documents. N/A	[ ]	[ ]
• Was the manual integration necessary?	[ ]	[ ]
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons**.		
6. QCMDL:	[1	[ ]
• Was MDL Check performed?		
7. QCMRL:	[1	[ ]

	Yes	No
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[✓]	[ ]
• Was the QC/MRL between 70-130% R see comments	[ ]	[✓]
• For the non-contaminants of concern was the QC/MRL between 60-140% (Sporadic Marginal Failure) N/A	[ ]	[ ]

8. Initial Calibration Verification (ICV):

	[✓]	[ ]
• Is the mid level (2nd source) recovery within 80 - 120% for contaminants of concern ?		
• Is the mid level (2nd source) recovery within 60-140% for non-contaminants of concern (Sporadic Marginal Failure)? N/A		

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?	[✓]	[ ]
• Did SPCC meet the RF values?	[✓]	[ ]

RF

Chloromethane	0.1	[✓]	[ ]
1,1-Dichloroethane	0.1	[✓]	[ ]
Bromoform	0.1	[✓]	[ ]
Chlorobenzene	0.3	[✓]	[ ]
1,1,2,2-Tetrachloroethane	0.3	[✓]	[ ]

• Did the CCC meet the minimum requirements (D ≤ 20%)?	[✓]	[ ]
1,1-Dichloroethene	[✓]	[ ]
Chloroform	[✓]	[ ]
1,2-Dichloropropane	[✓]	[ ]
Toluene	[✓]	[ ]
Ethylbenzene	[✓]	[ ]
Vinyl chloride	[✓]	[ ]
• Primary Evaluation: Was the mean, Drift or D ≤ 20% from the initial calibration?	[✓]	[ ]
• Alternative Evaluation: Maximum allowable Drift/D for		

	Yes	No
each target analyte is ≤ 30% when mean D ≤ 20%? N/A	[ ]	[ ]

10. Sample Analysis:

	Yes	No
• Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component?	[✓]	[ ]
• Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra?	[✓]	[ ]
• Were the internal standard areas within the QC limits (from -50% to +200%)?	[ ]	[ ]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL? Acetone 0.4J / U/B @ level of contamination in 0765S-0020M-0001-SO	[✓]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[✓]	[ ]
• MS/MSD: Were the percent recoveries within limits? low in MSD only - no qualifications	[ ]	[✓]
Were the RPD within control limits?	[✓]	[ ]
System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits ~~(50-150%)~~? Table G-3 see comments	[ ]	[✓]

12. Comments (attach additional sheets if necessary):

- MRL/2 hexanone 43%, 4-methyl-2-pentanone 49% UJ/C in 0765B-0094M-0001-SO and 0765B-0102M-0001-SO
- BFB 81% (85-120) 0765B-0094M-0001-SO all J/UJ's

Validated/Reviewed by:
Signature: L.S. Calvin

Date: 4.17.2014

Name: L.S. Calvin

VOLATILE ORGANIC ANALYSIS CHECKLIST

Project Name: RVAAP CR Sites 68, 69, 73, 74, 78, 79

Laboratory: TA-North Canton

Batch Number(s): ~~64980~~, ~~66014/20~~, ~~80954~~, 81930, 81013, 80388, -593

Sample Delivery Group (SDG): ~~240-17317-17422~~, -17525, -17602, -22559, -22662, -22804

	Yes	No
1. Holding Time:		
(a) Were samples preserved?	[✓]	[ ]
(b) Were samples analyzed within holding time?	[✓]	[ ]
2. Was the BFB tune performed at the beginning of each 12-hour period during which samples were analyzed?	[✓]	[ ]
3. Was mass assignment based on m/z 95?	[✓]	[ ]
4. Indicate if BFB ions abundance relative to m/z 95 base peak met the ions abundance criteria:		

m/z	Acceptance Criteria		
50	15.0 - 40.0 %	[✓]	[ ]
75	30.0 - 66.0 %	[✓]	[ ]
95	**100%, Base Peak**	[✓]	[ ]
96	5.0 - 9.0%	[✓]	[ ]
173	<2.0% of m/z 174	[✓]	[ ]
174	>50%	[✓]	[ ]
175	5.0 - 9.0% of mass 174	[✓]	[ ]
176	95.0 - 101.0% of m/z 174	[✓]	[ ]
177	5.0 - 9.0% of m/z 176	[✓]	[ ]

The relative ion abundance of m/z 95/96, m/z 174/176, and 176/177 are of critical importance.

The relative ion abundance of m/z 50 and 75 are of lower importance.

	Yes	No
5. Initial Calibration:		
• Did the initial calibration consist of five standards?	[✓]	[ ]
• Did the System Performance Check Compounds (SPCC) meet the minimum mean response factor (RF)?		
RF		
Chloromethane 0.1	[✓]	[ ]
1,1-Dichloroethane 0.1	[✓]	[ ]
Bromoform 0.1	[✓]	[ ]
Chlorobenzene 0.3	[✓]	[ ]
1,1,2,2-Tetrachloroethane 0.3	[✓]	[ ]
• Did the RSD meet the criteria ≤ 30% for each individual Calibration Check Compound (CCC)?		
1,1-Dichloroethene	[✓]	[ ]
Chloroform	[✓]	[ ]
1,2-Dichloropropane	[✓]	[ ]
Toluene	[✓]	[ ]
Ethylbenzene	[✓]	[ ]
Vinyl chloride	[ ]	[ ]
• Are the RSDs for the remaining target analytes ≤ 15% or r ≥ 0.99 with a mean RSD ≤ 15% with a maximum RSD ≤ 20%?	[✓]	[ ]
If the answer is "No", are the mean RSDs ≤ 15%?	[✓]	[✗ MC]
• Was manual integration "M" performed?	[ ]	[✓]
If the answer is "Yes", check for supporting documents.	N/A [ ]	[ ]
• Was the manual integration necessary?		
If the answer is "No", contact the laboratory inquiring about the reasons behind the manual integration, and **inform the District Chemist immediately if there were no valid reasons**.	[ ]	[ ]
6. QCMDL:	[ ]	[✓]
• Was MDL Check performed?		
7. QCMRL:	[✓]	[ ]

	Yes	No
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours?	[✓]	[ ]
• Was the QC/MRL between 70-130% R see comments Site 79	[ ]	[✓]
• For the non-contaminants of concern was the QC/MRL between 60-140% (Sporadic Marginal Failure) N/A	[ ]	[ ]

8. Initial Calibration Verification (ICV):

• Is the mid level (2nd source) recovery within 80 - 120% for contaminants of concern ?	[✓]	[ ]
• Is the mid level (2nd source) recovery within 60-140% for non-contaminants of concern (Sporadic Marginal Failure)? N/A		

9. Continuing Calibration Verification (CCV):

• Was CCV conducted every 12 hours?		[✓]	[ ]
• Did SPCC meet the RF values?		[✓]	[ ]
RF			
Chloromethane	0.1	[✓]	[ ]
1,1-Dichloroethane	0.1	[✓]	[ ]
Bromoform	0.1	[✓]	[ ]
Chlorobenzene	0.3	[✓]	[ ]
1,1,2,2-Tetrachloroethane	0.3	[✓]	[ ]
• Did the CCC meet the minimum requirements (D ≤ 20%)?		[✓]	[ ]
1,1-Dichloroethene		[✓]	[ ]
Chloroform		[✓]	[ ]
1,2-Dichloropropane		[✓]	[ ]
Toluene		[✓]	[ ]
Ethylbenzene		[✓]	[ ]
Vinyl chloride		[✓]	[ ]
• Primary Evaluation: Was the mean, Drift or D ≤ 20% from the initial calibration? see comments Site 69		[ ]	[✓]
• Alternative Evaluation: Maximum allowable Drift/D for			

	Yes	No
each target analyte is ≤ 30% when mean D ≤ 20%? N/A	[ ]	[ ]

10. Sample Analysis:

	Yes	No
• Was the RRT of an identified component within ± 0.06 RRT units of the RRT of the standard component?	[✓]	[ ]
• Did the abundance of ions in the sample spectra agree within 30% of the major ions (> 10% of the base ion) in the standard spectra?	[✓]	[ ]
• Were the internal standard areas within the QC limits (from -50% to +200%)? see comments Site 73	[ ]	[✓]

11. Sample Quality Control:

	Yes	No
• Method Blanks: Were target analytes ≤ 1/2 MRL? see comments Site 78	[✓]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[✓]	[ ]
• MS/MSD: Were the percent recoveries within limits? see comments Site 68	[ ]	[✓]
Were the RPD within control limits?	[✓]	[ ]
System Monitoring Compounds (Surrogates): are surrogate recoveries within QC limits (50-150%)?	[ ]	[✓]

12. Comments (attach additional sheets if necessary):

see comments Sites 74 and 78

Validated/Reviewed by:
Signature: L.S. Calvin

Date: 6·5·2014 → 6·10·2014

Name: L.S. Calvin

VO Fraction Comments:

Site 68
068SS-0003M-0001-SO, MS/MSD (limits 75-125%) chlorobenzene 57% and 67%, ethylbenzene 53% and 66%, styrene 54% and 66%, and total xylenes 52% and 64%. "UJ"/"Q"

Site 69
069SS-0001M-0001-SO and 069SB-0013M-0001-SO, CCV %D for carbon disulfide -30.2% , "UJ"/"C"

Site 73
073SS-0002M-0001-SO, IS 1,4-dichlorobenzene-d4 recovered at 33%, 1,1,2,2-tetrachloroethane "UJ"/"I"
073SS-0002M-0001-SO, toluene "U"/ "F" for field blank contamination

Site 74
074SB-0010-0001-SO, BFB 35% (85-120%) and toluene-d8 54% (85-115%) 2-butanone (methyl ethyl ketone), 2-hexanone, and 4-methyl-2-pentanone (methyl isobutyl ketone) "UJ/"S"

Site 78
078SB-0008M-0001-SO and sample 078SB-0016M-0001-SO, methylene chloride "U"/"B" for method blank contamination
078SB-0008M-0001-SO, BFB 84% (85-120%) all results "J"/"S" or "UJ"/"S"

Site 79
079W-0311-0001-SW, MRL acetone 68% (70-130) "J"/"C"

ICP METALS ANALYSIS (~~6010~~) CHECKLIST 6020 + 7471A

Project Name: RVAAP CR Site 68

Laboratory: TA - North Canton

Batch Number(s): _____

Sample Delivery Group: -17317-1, -17422-1, -17477-1, -22648-1

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)?	[Y]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[Y]	[ ]
three calibration standards and a blank?	[Y]	[ ]
• Was $R \geq 0.995$	[Y]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[Y]
QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[Y]	[ ]
	[ ]	[Y]
• Was the QC/MRL between 70-130% R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[Y]	[ ]
4. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 90 - 110%?		
5. Initial Calibration Blank (ICP):		

	Yes	No
• Were analytes in the blank ≤ 1/2 MRL?	[✓]	[ ]

6. Interelement Check Standard:

• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	[✓]	[ ]
• Was ICS-AB results within QC limits (80-120)?	[✓]	[ ]

7. Continuing calibration Blank (CCB):

• Was CCB conducted every 10 samples?	[✓]	[ ]
• Was CCB conducted at end of the analytical sequence?	[✓]	[ ]
• Were analytes ≤ 1/2 MRL?	[✓]	[ ]

8. Continuing Calibration Verification (CCV):

• Was CCV conducted every 10 samples?	[✓]	[ ]
• Was CCV conducted at end of the analytical sequence?	[✓]	[ ]
• Was the %R between 90-110?	[✓]	[ ]

9. Sample Analysis:

• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[✓]	[ ]

10. Sample Quality Control:

• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[✓]
• LCS: Were the percent recoveries for LCS within the limits?	[✓]	[ ]
• MS: Were the percent recoveries within limits?	[ ]	[✓]
• MD: Were the RPDs within control limits?	[ ] N/A	[ ]

11. Serial Dilution:

• Was serial dilution (1:4) conducted when needed?	[✓]	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	[ ]	[✓]

12. Method of Standard Addition (MSA):

• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)?	[ ]	N/A	[ ]

13. Comments (attach additional sheets if necessary): MT Hg

068SS-0003M-0001-SO 100mL, 1.17g, 0.61g
068SD-0009-0001-SO " , 1.04g, 0.63g
068SW-0016-0001-SW " , 1.12g, 0.70g
068SB-0053M-0001-SO " , 1.1g, 0.59g

Tune outliers
^{78}Se (20.427%) → -0003M-
" (11.586%) → -0009-
" (8.0299%) → -0016-
^{137}Ba ratio (5.3440%) → "
^{137}Ba (91.287%) → -0053M-
^{138}Ba (19.999%) → "

CRI outliers
Tl (121%) → -0009-
Fe (121%) → -0016-
Hg (72%) → "

SD outliers
Zn (11%), (11%), (12%)
↳ 0053M

MB detects
Hg 0.0245 mg/Kg → -0003M-
" 0.0276 " → -0009-
Tl 0.348 ng/L → -0016-
Zn 10.4 " → "

Dilutions
20x for Mn → -0009-
5x for Sb, Ba, Fe, Pb, Mn, Tl
↳ -0003M-

see next page →

Validated/Reviewed by:

Signature: 

Date: 6/11/14

Name: Michael Cherny

Duplicate Outliers

-0009- → Mn (29%)
-0003M- → " (33%)
-0053M- → Al (24%), As (32%), Ba (29%), Ca (26%), Cr (25%), Co (28%), Cu (27%), Fe (28%), Mg (25%), Mn (43%), Na (22%), Ni (27%), Pb (25%), V (26%), Zn (27%), K (25%), Ca (24%), Ca (21%)

MS Outliers

-0009- → Sb (25%), As (70%), Sc (71%), Sb (25%), Se (72%), Sb (23%), As (59%), Ca (73%), Pb (73%), Sc (71%)

-0003M- → Sb (25%), Sb (30%)
-0053M → Sb (41%), As (66%), Sb (27%), Ca (73%), Sc (60%), Sb (30%), Ca (140%), Sc (71%), Sb (30%), As (62%), Ca (49%), Sc (66%), Zn (68%)

Field blank detects

070-0057-0001 Source Water
Na @ 1600 ng/L
↳ -0003M - ND

ICP METALS ANALYSIS (~~6010~~) CHECKLIST 6020 + 7471A

Project Name: RVAAP CR Site 69

Laboratory: TA- North Canton

Batch Number(s): _____

Sample Delivery Group: 17525-1/2, 17602-1/2

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)?	[✓]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[✓]	[ ]
three calibration standards and a blank?	[✓]	[ ]
• Was $R \geq 0.995$	[✓]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[✓]
QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[✓]	[ ]
	[✓]	[ ]
• Was the QC/MRL between 70-130% R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[✓]	[ ]
4. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 90 - 110%?		
5. Initial Calibration Blank (ICP):		

	Yes	No
• Were analytes in the blank ≤ 1/2 MRL?	[✓]	[ ]

6. Interelement Check Standard:

• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	[✓]	[ ]
• Was ICS-AB results within QC limits (80-120)?	[✓]	[ ]

7. Continuing calibration Blank (CCB):

• Was CCB conducted every 10 samples?	[✓]	[ ]
• Was CCB conducted at end of the analytical sequence?	[✓]	[ ]
• Were analytes ≤ 1/2 MRL?	[✓]	[ ]

8. Continuing Calibration Verification (CCV):

• Was CCV conducted every 10 samples?	[✓]	[ ]
• Was CCV conducted at end of the analytical sequence?	[✓]	[ ]
• Was the %R between 90-110?	[✓]	[ ]

9. Sample Analysis:

• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[ ] N/A	[ ]

10. Sample Quality Control:

• Method Blanks: Were target analytes ≤ 1/2 MRL?	[✓]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[✓]	[ ]
• MS: Were the percent recoveries within limits?	[ ]	[✓]
• MD: Were the RPDs within control limits?	[ ] N/A	[ ]

11. Serial Dilution:

• Was serial dilution (1:4) conducted when needed?	[✓]	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	[ ]	[✓]

12. Method of Standard Addition (MSA):

• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)?	[ ]	N/A	[ ]

13. Comments (attach additional sheets if necessary): MT Hg

0695S-0001M-0001-SO → 100mL, 1.12g, 0.56g
0695B-0013M-0001-SO → " , 1.1g , "

Tune Outliers
(3) Ba (15.469%)
LD -0001M- and -0013M-

Duplicate Outliers
Ca (21%) x2 -> -0001M-

ICSH Detects
Sb 0.259 µg/L → -0001M-
Ag 0.095 " → "
Sb 0.259 " → -0013M-
Cd 0.249 " → "
Ag 0.095 " → "

MS Outliers
-0001M- Sb (22%), As (72%), Cd (79%), Cu (75%), Sc (64%), Sb (21%), As (78%), Cd (79%), Cu (31%), Sc (72%)

-0013N- Sb (21%), Ca (69%) Sc (71%)

SD outliers
Ca (11%) (12%) → -0001M-

Field blank detect
070-0057-0001 Source Water
Na 1600 µg/L → -0001M-
076-0067-001ER "
Tl 0.75 µg/L → "

Validated/Reviewed by:

Signature: [signature]

Date: 6/11/14

Name: Michael Cherry

ICP METALS ANALYSIS (6010) CHECKLIST

07355 - 0002M
0735B - 0009M
0735B - 0016M
0735B - 0038M

Project Name: RVAAP OR Site 73

Laboratory: _____

Batch Number(s): _____

Sample Delivery Group: 17422, 18441, 22648, 22663

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)?	[ ]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[ ]	[ ]
three calibration standards and a blank?	[ ]	[ ]
• Was $R \geq 0.995$	[ ]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[ ]
QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	[ ]
• Was the QC/MRL between 70-130% R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[ ]	[ ]
4. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 90 - 110%?	[ ]	[ ]
5. Initial Calibration Blank (ICP):		

	Yes	No
• Were analytes in the blank ≤ 1/2 MRL?	[Y]	[ ]
6. Interelement Check Standard:		
• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	[Y]	[ ]
• Was ICS-AB results within QC limits (80-120)?	[N]	[ ]
7. Continuing calibration Blank (CCB):		
• Was CCB conducted every 10 samples?	[Y]	[ ]
• Was CCB conducted at end of the analytical sequence?	[N]	[ ]
• Were analytes ≤ 1/2 MRL?	[ ]	[N]
8. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 10 samples?	[ ]	[ ]
• Was CCV conducted at end of the analytical sequence?	[ ]	[ ]
• Was the %R between 90-110?	[N]	[ ]
9. Sample Analysis:		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
10. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[N]
• LCS: Were the percent recoveries for LCS within the limits?	[N]	[ ]
• MS: Were the percent recoveries within limits?	[ ]	[N]
• MD: Were the RPDs within control limits?	[N]	[ ]
11. Serial Dilution:		
• Was serial dilution (1:4) conducted when needed?	[N]	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	~~Yes~~	~~No~~

12. Method of Standard Addition (MSA):

• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)?	W/A [ ]	[ ]

13. Comments (attach additional sheets if necessary):

CCB Sb = 0.342 o/ 0002M @ LOD
Tl = 0.448 " " "
Hg = 0.0276 mg/kg " " level

0038M
MS 0795B-0024M Sb (21), Zn (71), Se (57) Dup, SD
0735B-0040M As (63), Sb (46), Zn (68), Se (75) Dup, SD
MS 0795B-0015M Sb (25) Zn (74), Se (70) Dup

0016 DUP, PDS SD
~~MS 0~~
MS 0795B-0072M } As (62), Be (78), Ca (49), Cu (77), Sb (30), Zn (68), Se (66)
0795B-0070M } ~~Hg~~ ICPMS As (78), Be (79), Sb (30), Zn (75), Se (71)
MS 0795B-0061M } ICPMS Ca (73) Sb (27), Se (60)

0009M
MS 0725B-0026 As (69), Ca (74), Cu (75), Sb (20), Tl (75), Se (73) PDS, dup, SD
0735B-0007 Cr (125), Sb (21), V (137), Ic (150) Dup
MS/ 0765S-0020M Sb (25), As (70), Se (71) } 0002M PDS, DUP, SD
0738S-0003M Sb (25), Se (72) } DUP (Hg)

ICSA Cd = 0.315 mg/L 0009M ~~Se = 0.385~~ ~~Se = 6.972~~
ICSA ~~Sb = 0.535~~ ~~Be = 0.11~~, Cd = 0.49, ~~Cu = 1.6~~, Tl = 0.177 - 0016M

Validated/Reviewed by:

Signature: P. Meeks Date: 6/1/14

Name: P. Meeks

→ 0061M Dup Ca(24)
0061M SD Be (18), Zn (11)
0072M SD Zn (12)
0070M SD Be (20)

ICP METALS ANALYSIS (6010) CHECKLIST

0745B-0010-0001

Project Name: RVAAP CR site 74

Laboratory: TA N. Canton

Batch Number(s): _____

Sample Delivery Group: 22804

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)?	[N]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[N]	[ ]
three calibration standards and a blank?	[ ]	[ ]
• Was R ≥ 0.995	[N]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	[ ]
	[ ]	[N]
• Was the QC/MRL between 70-130% R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[N]	[ ]
4. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 90 - 110%?		
5. Initial Calibration Blank (ICP):		

	Yes	No
• Were analytes in the blank ≤ 1/2 MRL?	[ ]	[ ]

6. Interelement Check Standard:

• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	[ ]	[ ]
• Was ICS-AB results within QC limits (80-120)?	[ ]	[ ]

7. Continuing calibration Blank (CCB):

• Was CCB conducted every 10 samples?	[ ]	[ ]
• Was CCB conducted at end of the analytical sequence?	[ ]	[ ]
• Were analytes ≤ 1/2 MRL?	[ ]	[ ]

8. Continuing Calibration Verification (CCV):

• Was CCV conducted every 10 samples?	[ ]	[ ]
• Was CCV conducted at end of the analytical sequence?	[ ]	[ ]
• Was the %R between 90-110?	[ ]	[ ]

9. Sample Analysis:

• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]

10. Sample Quality Control:

• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]
• MS: Were the percent recoveries within limits? none	[ ]	[ ]
• MD: Were the RPDs within control limits? ↓	[ ]	[ ]

11. Serial Dilution:

• Was serial dilution (1:4) conducted when needed? none	[ ]	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	None [ ]	[ ]
12. Method of Standard Addition (MSA):		
• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)?	[ ] N/A	[ ]

13. Comments (attach additional sheets if necessary):

ICSA $Cd = 0.271$, $Se = 0.553$, $Ag = 0.195$, ~~$Ba = 5.37$~~

MS ~~0704RN-0317-0001-RN~~ none

~~Hg~~ $CR_1 = 65\%$ VJ

Validated/Reviewed by:

Signature: P. Mus

Date: 6/11/14

Name: P. Meeks

0.60 10:27 4/19
1.00 13:29 5/7

ICP METALS ANALYSIS (~~6010~~) CHECKLIST 6020 + 7471

Project Name: RVAAP CR Site 76

Laboratory: TA North Canton

Batch Number(s): _____

Sample Delivery Group: 240-17317-1, 240-17422-1, 240-18544-1

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)?	[✓]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[✓]	[ ]
three calibration standards and a blank?	[ ]	[ ]
• ~~Was R ≥ 0.995~~	[✓]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[✓]
~~QCMRL~~:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[✓]	[ ]
• Was the QC/MRL between ~~70-130%~~ 80-120 % R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[ ]	[✓]
4. Initial Calibration Verification (ICV):	[✓]	[ ]
• ~~Is the mid level (2nd source) recovery within 90 - 110%?~~		
5. Initial Calibration Blank (ICP):		

	Yes	No
• Were analytes in the blank ≤ 1/2 MRL?	[Y]	[ ]
6. Interelement Check Standard:		
• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	[Y]	[ ]
• Was ICS-AB results within QC limits (80-120)?	[Y]	[ ]
7. Continuing calibration Blank (CCB):		
• Was CCB conducted every 10 samples?	[Y]	[ ]
• Was CCB conducted at end of the analytical sequence?	[Y]	[ ]
• Were analytes ≤ 1/2 MRL?	[ ]	[Y] but okay
8. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 10 samples?	[Y]	[ ]
• Was CCV conducted at end of the analytical sequence?	[Y]	[ ]
• Was the %R between 90-110?	[Y]	[ ]
9. Sample Analysis:		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? 5x	[Y]	[ ]
10. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[Y]
• LCS: Were the percent recoveries for LCS within the limits?	[Y]	[ ]
• MS: Were the percent recoveries within limits?	[ ]	[Y]
• MD: Were the RPDs within control limits?	[ ] N/A	[ ]
11. Serial Dilution:		
• Was serial dilution (1:4) conducted when needed?	[Y]	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	[ ]	[✓]

12. Method of Standard Addition (MSA):

• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)?	[ ] N/A	[ ]

13. Comments (attach additional sheets if necessary):

(1) SDG: 240-17317-1: 076SD-0009-0001-SD → 1.04g : 1L : .63g
(2) 240-17422-1: 076SS-0020M-0001-SO → 1.08g : 1L : .66g
(3) 240-18544H: 076SB-0094-0001-SO → 1.12g : 1L : .59g
(4) 076-SB-0096-0001-SO → 1.42g : 1L : .61g
(5) 076-SB-0102M-0001-SO → 1.32g : 1L : .65g
(6) 076-SB-0114M-0001-SO → 1.1g : 1L : .62g

Tune outliers:
78Se: 20.43% (1)
: 11.59% (2)
137Ba: 19.32% (3),(4),(5)
19.30% (6)
138Ba: 7.81% (3),(4),(5)
6.88% (6)

MRL outlier:
Tl at 121% (2)

Method blank detects:
0.027 mg/kg → (1)
0.0276 mg/kg → (2)

Duplicate outliers:
-076SD-0009-0001
Cr 23% (1)
-072SB-0063-0001-SO
Mn 36% (3),(4),(5),(6)
-076SB-0090M-0001-SO
Pb 24% (3),(4),(5),(6)

Validated/Reviewed by:

Signature: [signature]

Date: 4/27/14

Name: Michael Cherny

Matrix spike outliers:

0685S-0003M-0001-SO (1)
(Sb, 25%), (Ni, 134%)

076SD-0009-0001-SO (1)
(Sb, 30%), (Ca, 143%), (Ni, 71%)
(K, 128%), (V, 122%)

076SS-0020M-0001-SO (2)
(Sb, 25%), (As, 70%), (Se, 71%)

0735S-0003M-0001-SO (2)
(Sb, 25%), (Se, 72%)

0685D-0009-0001-SO (2)
(Sb, 23%), (As, 59%), (Se, 71%)

072SB-0063-0001-SO (3), (4), (5), (6)
(Ag, 39%), (As, 0%), (Ca, 193%)
(Cd, 60%), (Cr, 79%), (Co, 52%)
(Cu, 16%), (Ni, 39%), (Sb, 28%)
(K, 70%), (Se, 25%)

076SB-0090M-0001-SO (3), (4), (5), (6)
(As, 78%), (Sb, 25%), (Se, 71%)

076SB-0091M-0001-SO (3), (4), (5), (6)
(Sb, 26%), (Se, 7%)

076SB-0100M-0001-SO (3), (4), (5), (6)
(Be, 7%), (Sb, 19%), (K, 74%)
(Se, 72%)

Serial Dilution Outliers:
(3), (4), (5), (6)
↳ (Zn, 11%)

^{89}Y not spiked in (3), (4), (5), (6)

Sb, Ba, Pb and Tl from 5x in (1)

Field QC outliers
070-0057-0001
source water
- Na 1600 µg/L
076-0087-0001-ER
- Tl 0.75 ng/L

ICP METALS ANALYSIS (6010) CHECKLIST

Project Name: RVAAP GR Site 28 — 0785B-0008M (-8) 0785B-0016M (-14)

Laboratory: TA-N Canton

Batch Number(s): _____

Sample Delivery Group: 22559

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)?	[N]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[N]	[ ]
three calibration standards and a blank?	[ ]	[ ]
• Was R ≥ 0.995	[ ]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[N]
QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[N]	[ ]
• Was the QC/MRL between 70-130% R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[N]	[ ]
	[ ]	[ ]
4. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 90 - 110%?		
5. Initial Calibration Blank (ICP):		

	Yes	No
• Were analytes in the blank ≤ 1/2 MRL?	[X]	[ ]
6. Interelement Check Standard:		
• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	[X]	[ ]
• Was ICS-AB results within QC limits (80-120)?	[X]	[ ]
7. Continuing calibration Blank (CCB):		
• Was CCB conducted every 10 samples?	[X]	[ ]
• Was CCB conducted at end of the analytical sequence?	[X]	[ ]
• Were analytes ≤ 1/2 MRL?	[ ]	[X]
8. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 10 samples?	[X]	[ ]
• Was CCV conducted at end of the analytical sequence?	[X]	[ ]
• Was the %R between 90-110?	[X]	[ ]
9. Sample Analysis:		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed? N/A	[ ]	[ ]
10. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[X]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[X]	[ ]
• MS: Were the percent recoveries within limits?	[ ]	[X]
• MD: Were the RPDs within control limits?	[X]	[ ]
11. Serial Dilution:		
• Was serial dilution (1:4) conducted when needed?	[X]	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	[~~N~~]	[ ]

12. Method of Standard Addition (MSA):

• Was MSA performed on samples suspected of matrix effect ($R \geq 0.995$)?	[ ] N/A	[ ]

13. Comments (attach additional sheets if necessary):

MS 6M 15M all 31M Hg 6M: As(72), Mn(122) Sb(68), Se(38)
Dup/SD " " OK 15M As(67), Sb(69), Se(51)

ICSA ~~Cd = 0.27 w/ 8M only Fe ↑ error~~

MB/CCB none suff

Validated/Reviewed by:

Signature: P. M[illegible]

Date: 6/9/11

Name: P. Meeks

-8 4/29 12:21
-14 4/29 05:02

ICP METALS ANALYSIS (6010) CHECKLIST

0795B-0217M -19 68866
0234M -25 68477
0236M -27 68777
0245M -1 68111
0247M -4 68111
0252M -10 68111
0267M -20 68111
0269M -22 68111
0272M -26 68272

Project Name: RVAAP CR Sik 79

Laboratory: TA-N Canton

Batch Number(s): 0795W-0311

Sample Delivery Group: 22381, 22581, 22774, 22662
0795D-0305

	Yes	No
1. Holding Time:		
• Were samples analyzed within holding time (6-Months)?	[ ]	[ ]
2. Initial Calibration:		
• Did the initial calibration consist of		
One calibration standard and a blank?	[ ]	[ ]
three calibration standards and a blank?	[ ]	[ ]
• Was R ≥ 0.995	[ ]	[ ]
3. QCMDL:		
• Was MDL Check performed?	[ ]	[ ]
QCMRL:		
• Were QC/MRL run at the beginning and end of every daily sequence or every 12 hours??	[ ]	[ ]
• Was the QC/MRL between 70-130% R? Common Elements can be between the MRL and 2X MRL level (Fe, Al, Mg and Ca)	[ ]	[ ]
4. Initial Calibration Verification (ICV):		
• Is the mid level (2nd source) recovery within 90 - 110%?		
5. Initial Calibration Blank (ICP):		

	Yes	No
• Were analytes in the blank ≤ 1/2 MRL?	[ ]	[ ]
6. Interelement Check Standard:		
• Was ICS-A (interferents only) conducted at the beginning of analytical sequence?	[ ]	[ ]
• Was ICS-AB results within QC limits (80-120)?	[ ]	[ ]
7. Continuing calibration Blank (CCB):		
• Was CCB conducted every 10 samples?	[ ]	[ ]
• Was CCB conducted at end of the analytical sequence?	[ ]	[ ]
• Were analytes ≤ 1/2 MRL?	[ ]	[ ]
8. Continuing Calibration Verification (CCV):		
• Was CCV conducted every 10 samples?	[ ]	[ ]
• Was CCV conducted at end of the analytical sequence?	[ ]	[ ]
• Was the %R between 90-110?	[ ]	[ ]
9. Sample Analysis:		
• Were samples with levels higher than the calibration range (E), diluted and re-analyzed?	[ ]	[ ]
10. Sample Quality Control:		
• Method Blanks: Were target analytes ≤ 1/2 MRL?	[ ]	[ ]
• LCS: Were the percent recoveries for LCS within the limits?	[ ]	[ ]
• MS: Were the percent recoveries within limits?	[ ]	[ ]
• MD: Were the RPDs within control limits?	[ ]	[ ]
11. Serial Dilution:		
• Was serial dilution (1:4) conducted when needed?	[ ]	[ ]

	Yes	No
• Was there an agreement between diluted and undiluted results (<10%)?	[ ]	[ ]

12. Method of Standard Addition (MSA):

• Was MSA performed on samples suspected of matrix effect (R ≥ 0.995)? NA	[ ]	[ ]

13. Comments (attach additional sheets if necessary):

Keep → ~~0.11 mg/kg~~ ~~all but -26~~ ~~281~~ -1.8

MB Na = 4.67 mg/kg U/B 252M @ level, ~~Se = 1.1 ug/L~~ + CCB Se = ~~-2.05 ug/L~~ 272M

~~MB~~ ~~CCB~~ ~~Na = 34.0 ug/L~~

MS 0795B - 0218M Hg > Dups
0244M

MS/D 0181M Ni (79,-) Sb (28,33) Sn (77,-) Se (57,64)
dups < 220M Ba (79,79) Ni (77,-) Sb (26,26) Se (64,64) As (-,77) Cu (-,79)
171M Sb (23,24) Se (70,69)

Dup 220M: Ba (123), Mn (142), Na (70), Pb (66), Tl (> ± RL)
SD: 151M - OK, 220M ~~Be (111)~~, 171M ~~Be (16)~~ Sn (12)

Hg MS 0795D-0305, 0795B-0264M
ICPMS MS 0795D-0305 Sb (49,) PDS OK Dup - OK SD - OK
0795B-0264M ~~Sb~~ (27,) " " Dup - Ca (82%) SD - OK

MB Se = -2.8 w/ SD
Tune Ba138 = 6.52 w/ SD

CCB/MB Pb = 0.232 ug/L w/ SW U @ LOD
MS 0311 SW Hg w/ICPMS & PDS & DUP/SD

Validated/Reviewed by:

Signature: P. Meels Date: 6/19/14

Name: P. Meels

~~Hg = 0.050 mg/kg in 0795D-0305 change result~~

1.6
1.17
8 1.7