LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Posillico Consulting
1750 New Highway
Farmingdale, NY 11735
ATTN: Mr. Ellis Koch

April 16, 2014

SUBJECT: Glen Isle, Data Validation

Dear Mr. Koch,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on March 31, 2014. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 31574:

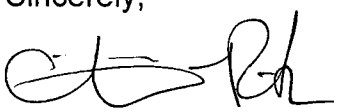
SDG #	Fraction
480-55280-1 480-55330-1 480-55331-1	Volatiles, Semivolatiles, Chlorinated Pesticides, Polychlorinated Biphenyls, Metals

The data validation was performed under EPA Level III & IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region II Functional Guidelines for Evaluating Organic Analyses, September 2006
- USEPA Region 2 Standard Operating Procedure for Evaluation of Metals for the Contract Laboratory Program, SOP HW-2, Revision 13, September 2006
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01, June 2008
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011, January 2010
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,



Christina Rink
Project Manager/Chemist

9,070 pages-DL

Attachment 1

Cat A/CatB EDD

LDC #31574 (Posillico Consulting - Farmingdale, NY / Glen Isle)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)		SVOA (8270D)		Pest. (8081B)		PCBs (8082A)		Metals (6010C /7000)		Diss. Metals (SW846)																					
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	480-55280-1	03/31/14	04/21/14	-	-	1	25	1	23	-	-	1	25	-	-																			
A	480-55280-1	03/31/14	04/21/14	-	-	0	2	0	4	-	-	0	2	-	-																			
B	480-55330-1	03/31/14	04/21/14	-	-	1	20	1	20	-	-	1	20	-	-																			
B	480-55330-1	03/31/14	04/21/14	-	-	0	2	0	2	-	-	0	2	-	-																			
C	480-55331-1	03/31/14	04/21/14	2	0	1	0	-	-	0	0	1	0	0	0																			
C	480-55331-1	03/31/14	04/21/14	7	0	7	0	-	-	1	0	7	0	7	0																			
Total	T/CR			9	0	10	49	2	49	1	0	10	49	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186

Shaded cells indicate Cat B review (all other cells are Cat A review). These sample counts do not include MS/MSD, and DUPs

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55280-1
Reviewer: Christina Rink and Felomina Tanguilig/Laboratory Data Consultants for RXR Glen Isle Partners, LLC
Date: April 15, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-C-061-0-2**	280-55280-1	SVOC, Pesticides**
LT-C-061-4-6	280-55280-2	SVOC, Pesticides
LT-C-061-10-12	280-55280-3	SVOC, Pesticides
LT-G-036-0-2	280-55280-4	SVOC, Pesticides
LT-G-036-2-4	280-55280-5	SVOC, Pesticides
LT-G-036-6-8**	280-55280-6	SVOC**, Pesticides**
LT-G-037-0-2	280-55280-7	SVOC, Pesticides
LT-G-037-2-4	280-55280-8	SVOC, Pesticides
LT-G-037-6-8	280-55280-9	SVOC, Pesticides
DUP031	280-55280-10	SVOC, Pesticides
LT-C-062-0-2	280-55280-11	SVOC, Pesticides
LT-C-062-2-4	280-55280-12	SVOC, Pesticides
LT-C-062-6-8	280-55280-13	SVOC, Pesticides
LT-C-063-0-2	280-55280-14	SVOC, Pesticides
LT-C-063-2-4	280-55280-15	SVOC, Pesticides
LT-C-063-6-8	280-55280-16	SVOC, Pesticides
LT-C-069-2-2	280-55280-17	SVOC, Pesticides
LT-C-069-4-6	280-55280-18	SVOC, Pesticides
LT-C-069-6-8	280-55280-19	SVOC, Pesticides
FB030	280-55280-20	SVOC, Pesticides
AC-GI-001-0-2	280-55280-21	SVOC, Pesticides
AC-GI-001-4-6**	280-55280-22	SVOC, Pesticides**
AC-GI-002-0-2	280-55280-23	SVOC, Pesticides
AC-GI-002-4-6	280-55280-24	SVOC, Pesticides
CC-GI-001-0-2	280-55280-25	SVOC, Pesticides
CC-GI-001-2-4**	280-55280-26	SVOC**, Pesticides**
CC-GI-002-0-2	280-55280-27	SVOC, Pesticides
CC-GI-002-2-4	280-55280-28	SVOC, Pesticides
LT-G-037-2-4MS	280-55280-8MS	SVOC, Pesticides
LT-G-037-2-4MSD	280-55280-8MSD	SVOC, Pesticides
AC-GI-001-4-6MS	280-55280-22MS	Pesticides
AC-GI-001-4-6MSD	280-55280-22MSD	Pesticides
AC-GI-002-0-2MS	280-55280-23MS	SVOC
AC-GI-002-0-2MSD	280-55280-23MSD	SVOC

Associated QC Samples(s):
Field/Trip Blanks: FB030
Field Duplicate pair: LT-G-036-2-4 and DUP031

The above-listed soil and water samples were collected on January 25, 2014 and were analyzed for semivolatile organic compounds (SVOCs) by SW-846 method 8270D and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
2/14/14	ICV	Benzaldehyde	106	LT-G-036-6-8**	SS	UJ nondetects
3/5/14	CCV	Hexachlorocyclopentadiene	35.9	CC-GI-001-2-4**	XX	UJ nondetects
		2,4-Dinitrophenol	30.7		XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Pesticide

Compounds that did not meet criteria in the Pesticide calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
1/7/14	ICV	RTX CLPII	Toxaphene	32.7	LT-G-036-6-8** CC-GI-001-2-4**	XX	UJ nondetects
3/1/14	CCV (08:02)	RTX CLPI	Endosulfan I	21.8	LT-G-036-6-8**	XX	UJ nondetects
3/1/14	CCV (08:02)	RTX CLPI	alpha-BHC	27.5	AC-GI-001-4-6**	XX	J detects/UJ nondetects
			gamma-BHC	32.5		XX	J detects/UJ nondetects
			beta-BHC	34.5		XX	J detects/UJ nondetects
			delta-BHC	34.4		XX	J detects/UJ nondetects
			Heptachlor	48.2		XX	J detects/UJ nondetects
			Aldrin	46.2		XX	J detects/UJ nondetects
			Heptachlor epoxide	36.9		XX	J detects/UJ nondetects
			gamma-Chlordane	25.5		XX	J detects/UJ nondetects
			alpha-Chlordane	26.8		XX	J detects/UJ nondetects
			4,4'-DDE	23.1		XX	J detects/UJ nondetects
			Endosulfan I	28.5		XX	J detects/UJ nondetects
			Dieldrin	23.7		XX	J detects/UJ nondetects
3/3/14	CCV	RTX CLPI	Endosulfan I	22.2	CC-GI-001-2-4**	XX	J detects/UJ nondetects
			Endrin aldehyde	24.8		XX	
			Endrin ketone	23.0		XX	

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as estimated values (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

SVOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB030 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for contaminants. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB030	Di-n-butylphthalate	0.52 ug/L	<RL	LT-C-061-0-2 LT-C-061-4-6 LT-C-061-10-12 LT-G-036-0-2 LT-G-036-2-4 LT-G-036-6-8** LT-G-037-0-2 LT-G-037-2-4 LT-G-037-6-8 DUP031 LT-C-062-0-2 LT-C-062-2-4 LT-C-062-6-8 LT-C-063-0-2 LT-C-063-2-4 LT-C-063-6-8 LT-C-069-2-2 LT-C-069-4-6 LT-C-069-6-8 AC-GI-001-0-2 AC-GI-001-4-6 AC-GI-002-0-2 AC-GI-002-4-6 CC-GI-001-0-2 CC-GI-001-2-4** CC-GI-002-0-2 CC-GI-002-2-4

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were nondetect.

Pesticide

Contamination was detected in the associated pesticide method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for other contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-168154	delta-BHC	0.385 ug/Kg	<RL	LT-C-061-0-2** DUP031 AC-GI-001-0-2

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
LT-C-061-0-2**	delta-BHC	0.48 ug/Kg	1.8U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

No positive results were found in the field blanks FB030 for pesticide analyses.

Surrogate Recoveries

SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for samples LT-C-061-10-12, LT-G-037-2-4, LT-C-062-6-8, LT-C-063-0-2, AC-GI-001-0-2, AC-GI-002-0-2, CC-GI-001-0-2, CC-GI-001-2-4**, CC-GI-002-0-2, and CC-GI-002-2-4. No actions were taken for the samples analyzed at greater than 5X dilution. The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample ID	Surrogate	Column	Recovery (%)	Control Limits	Validation Action
LT-C-061-10-12	Decachlorobiphenyl	RTX-CLP I	138	32-136	J detects/UJ nondetects
LT-G-037-2-4	Decachlorobiphenyl	RTX-CLP I	159	32-136	UJ nondetects
LT-C-062-6-8	Decachlorobiphenyl	RTX-CLP I	151	32-136	J detects/UJ nondetects

The pesticide results may be biased high. The positive results can be used for project objectives as estimated values (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

MS/MSD Results

SVOC

MS/MSD analyses were performed on samples LT-G-037-2-4 and AC-GI-002-0-2 for SVOC analyses. The following table lists the compounds recovered outside of control limits in the MS/MSD analyses and the resulting actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
Bis(2-ethylhexyl)phthalate	156 (61-133)	149 (61-133)	-	AC-GI-002-0-2	None
Pyrene	-	155 (51-133)	-	AC-GI-002-0-2	J detects

- Within control limits

The pyrene results may be biased high. The results can be used for project objectives as estimated (J) which may have a minor impact on the data usability.

No action is required for bis(2-ethylhexyl)phthalate because only positive results are affected and this compound is nondetect in the sample.

Pesticide

MS/MSD analyses were performed on samples LT-G-037-2-4 and AC-GI-001-4-6** for pesticides. All criteria were met.

LCS Results

SVOC and Pesticide

All criteria were met.

Internal Standards

SVOC

Internal standards were not reviewed for samples reviewed by Category A criteria. The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Area Exceedances (Limits)	Affected Compounds	Validation actions
LT-G-036-6-8**	Perylene-d12	119288 (123092-492366)	Benzo(b)fluoranthene	UJ nondetects
			Benzo(k)fluoranthene	UJ nondetects
			Benzo(a)pyrene	UJ nondetects
			Indeno(1,2,3-cd)pyrene	UJ nondetects
			Dibenzo(a,h)anthracene	UJ nondetects
			Benzo(g,h,i)perylene	UJ nondetects

The bias cannot be determined from the internal standard nonconformance for the samples listed above. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Moisture Content

All criteria were met.

Field Duplicate Results

Compounds were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

SVOC

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	LT-G-036-2-4	DUP031			
Chrysene	19	19	-	0 (≤190)	-
Fluoranthene	27	28	-	1.0 (≤190)	-
Pyrene	30	33	-	3.0 (≤190)	-
Benzo(a)anthracene	3.2U	16	-	12.8 (≤190)	-

- =no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair.
For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Pesticide

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	LT-G-036-2-4	DUP031			
4,4'-DDD	0.57	0.34U	-	0.05 (≤3.8)	-
4,4'-DDE	0.88	0.27U	-	0.01 (≤3.8)	-
beta-BHC	0.90	0.19U	-	0.40 (≤3.8)	-
Endrin	0.53	0.24U	-	0.16 (≤3.8)	-
Methoxychlor	0.75	0.24U	-	0.02 (≤3.8)	-

- =no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair.
For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the SVOC and pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	SVOC Analysis Reported	Pesticide Analysis Reported
AC-GI-001-0-2	-	5-fold dilution due to the nature of sample matrix
AC-GI-002-0-2	10-fold dilution due to the nature of sample matrix	20-fold dilution due to the nature of sample matrix
CC-GI-001-0-2	10-fold dilution due to the nature of sample matrix	20-fold dilution due to the nature of sample matrix
CC-GI-001-2-4**	10-fold dilution due to the nature of sample matrix	20-fold dilution due to the nature of sample matrix
CC-GI-002-0-2	10-fold dilution due to the nature of sample matrix	20-fold dilution due to the nature of sample matrix
CC-GI-002-2-4	10-fold dilution due to the nature of sample matrix	20-fold dilution due to the nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

Sample	Compound	RPD (%)	Validation Actions
LT-C-061-0-2**	gamma-Chlordane	62.6	J detects
	4,4'-DDT	65.6	J detects
AC-GI-001-4-6**	gamma-Chlordane	46.9	J detects
	4,4'-DDE	80.3	JN detects
	4,4'-DDT	98.1	JN detects
CC-GI-001-2-4**	Heptachlor epoxide	38.8	J detects
	Dieldrin	55.5	J detects

For %RPD between 26 and 70%; estimate (J) the positive result.
For %RPD between 71 and 100%; qualify the result as presumptively present (JN).
For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).
For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).
For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31574A2a **VALIDATION COMPLETENESS WORKSHEET** Date: 4/9/14
SDG #: 480-55280-1 Cat A/Cat B Page: 6f 7
Laboratory: Test America, Inc. Reviewer: FT
2nd Reviewer: CC

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/25/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. % RSD ≤ 20, r²
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. ICV ≤ 30, CCV ≤ 20
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS ID
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	SW	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	A	Not reviewed for Cat A review. MDL < Results < RL = J
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 5, 10
XVII.	Field blanks	SW	FB = 20

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

soil + water

1	3	LT-G-061-0-2	S	11	3	LT-C-062-0-2	S	21	3	AC-GI-001-0-2	S
2	3	LT-G-061-4-6		12	3	LT-C-062-2-4		22	2	AC-GI-001-4-6	
3	3	LT-G-061-10-12		13	3	LT-C-062-6-8		23	2	AC-GI-002-0-2	10x
4	3	LT-G-036-0-2		14	3	LT-C-063-0-2		24	2	AC-GI-002-4-6	
5	3	LT-G-036-2-4	D	15	3	LT-C-063-2-4		25	2	CC-GI-001-0-2	10x
6	3	LT-G-036-6-8	**	16	3	LT-C-063-6-8		26	2	CC-GI-001-2-4	** 10x
7	3	LT-G-037-0-2		17	3	LT-C-069-2-2		27	2	CC-GI-002-0-2	10x
8	3	LT-G-037-2-4		18	3	LT-C-069-4-6		28	2	CC-GI-002-2-4	10x
9	3	LT-G-037-6-8		19	3	LT-C-069-6-8		29	3	LT-G-037-2-4MS	
10	3	DUP031	D	20	1	FB030	W	30	3	LT-G-037-2-4MSD	

31	2	AC-GI-002-0-2MS	S	33	1	MB 480-168022					
32	2	AC-GI-002-0-2MSD		34	2	MB 480-167994					
35	3	MB 480-167993		36							
37				38							
39				40							

samples were diluted due to the nature of the sample Matrix

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU.Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV.Benzonaphthothiophene	OOOO.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW.Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

PRY

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU.Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV.Benzonaphthothiophene	OOOO.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW.Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	2/14/14	ICV-U	LLLL	106		#6, MB480-167993	J/UJ/A (ND)
	3/4/14	CCV	X	33.7		MB480-167994	J/UJ/A (ND)
	16:39						
	3/5/14	CCV	X	35.9		26	J/UJ/A (ND)
	0643		HH	30.7		↓	↓

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer: 02

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/kg
Sampling date: 2/25/14
Field blank type: (circle one) Field Blank / Rinsate / Other: FB Associated Samples: All soils (ND)

Compound	Blank ID	Sample Identification								
	20									
XX	0.52									

Blank units: **Associated sample units:**
Sampling date:
Field blank type: (circle one) Field Blank / Rinsate / Other: Associated Samples:

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: FT
2nd Reviewer: 02

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		31 + 32	EEE	156 (61-133)	149 (61-133)	( )	23	J/A det (ND)
			ZZ	( )	155 (51-133	( )	↓	↓ (Det)
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Internal Standards

Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all internal standard area counts within -50 to +100 of the associated calibration standard?

Y N N/A Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

#	Date	Sample ID	Internal Standard	Area (Limits)	RT (Limits)	Qualifications
		6	PRY	119288 (123092 - 492366)		J/UJ/P see list (M

* QC limits are advisory

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

LDC#:31574A2a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: FT
2nd Reviewer: [signature]

Analyte	Concentration (µg/Kg)		RPD (≤100%)	Diff.	Diff Limits (2xRL)	Qualifiers (Parents Only)
	5	10				
DDD	19	19		0	(≤190)	
YY	27	28		1.0	(≤190)	
ZZ	30	33		3.0	(≤190)	
CCC	3.2U	16		12.8	(≤190)	

LDC #: 31574429

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: 02

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 50/100 std)	Recalculated (RRF 50/100 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	3/4/2014	Phenol (IS1)	1.7385	1.7385	1.6672	1.6672	5.60	5.60
	Inst U		Nitrobenzene (IS2)	0.3209	0.3209	0.3197	0.3197	11.00	11.00
			Acenaphthene (IS3)	1.0845	1.0845	1.1205	1.1205	9.60	9.60
			4,6-Dinitro-2-Methylphenol (IS4)	0.1376	0.1376	0.1345	0.1345	6.70	6.70
			Bis(2-Ethylhexyl)phthalate (IS5)	0.8449	0.8449	0.8654	0.8654	8.90	8.90
			Benzo(a)pyrene (IS6)	1.1238	1.1238	1.1008	1.1008	6.7	6.7

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: 02

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 50 std)	Recalculated (RRF 50 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/14/2014	Benzaldehyde (IS1)	0.5318	0.5318	0.5017	0.5017	5.50	5.50
	Inst U		Caprolactam (IS2)	0.1233	0.1233	0.1099	0.1099	15.00	15.00
			Atrazine (IS3)	0.5773	0.5773	0.5538	0.5538	14.00	14.00
			N-Nitrosodiphenylamine (IS4)	0.2806	0.2806	0.2836	0.2836	9.70	9.70
			3,3'- Dichlorbenzidine (IS5)	0.3269	0.3269	0.3248	0.3248	4.90	4.90

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Inst U 021414 adds

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: CA

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 50/100 std)	Recalculated (RRF 50/100 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/5/2014	Phenol (IS1)	1.8505	1.8505	1.8320	1.8320	4.50	4.50
	Inst X		Nitrobenzene (IS2)	0.3624	0.3624	0.3576	0.3576	5.20	5.20
			Acenaphthene (IS3)	1.1186	1.1186	1.1080	1.1080	5.60	5.60
			4,6-Dinitro-2-Methylphenol (IS4)	0.1479	0.1479	0.1404	0.1404	10.00	10.00
			Bis(2-Ethylhexyl)phthalate (IS5)	0.8717	0.8717	0.8967	0.8967	3.00	3.00
			Benzo(a)pyrene (IS6)	1.0636	1.0636	1.0592	1.0592	0.6	0.6

LDC #: 31574A29

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: CA

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 50 std)	Recalculated (RRF 50 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/5/2014	Benzaldehyde (IS1)	0.5463	0.5463	0.5410	0.5410	5.50	5.50
	Inst X		Caprolactam (IS2)	0.0849	0.0849	0.0830	0.0830	11.00	11.00
			Atrazine (IS3)	0.2365	0.2365	0.2373	0.2373	1.40	1.40
			N-Nitrosodiphenylamine (IS4)	0.5679	0.5679	0.5635	0.5635	4.40	4.40
			3,3'- Dichlorbenzidine (IS5)	0.3303	0.3303	0.3258	0.3258	2.60	2.60

Inst X 020514 adds

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)		Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 10:05	3/5/14	Phenol	(1st IS)	1.667	1.625	1.625	2.5	2.5
			Nitrobenzene	(2nd IS)	0.3197	0.3207	0.3207	0.3	0.3
			Acenaphthene	(3rd IS)	1.120	1.085	1.085	3.2	3.2
			4,6-Dinitro-2-Methylphenol	(4th IS)	0.1345	0.1449	0.1449	7.7	7.7
			Bis(2-ethylhexyl)phthalate	(5th IS)	0.8654	0.8636	0.8636	0.2	0.2
			Benzoa(pyrene)	(6th IS)	1.101	1.087	1.087	1.3	1.3
2	CCV 10:28	3/5/14	Benzaldehyde	(1st IS)	0.5017	0.4746	0.4746	5.4	5.4
			Caprolactam	(2nd IS)	0.1099	0.1131	0.1131	3.0	3.0
			Atrazine	(3rd IS)	0.2836	0.3042	0.3042	7.3	7.3
			N-Nitrosodiphenylamine	(4th IS)	0.5538	0.5600	0.5600	1.1	1.1
			3,3''-Dichlorobenzidine	(5th IS)	0.3248	0.3329	0.3329	2.5	2.5
3									

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: CZ

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)		Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	ccv 1639	3/4/14	Phenol	(1st IS)	1.832	1.697	1.697	7.4	7.4
			Nitrobenzene	(2nd IS)	0.3576	0.3640	0.3640	1.8	1.8
			Acenaphthene	(3rd IS)	1.108	1.069	1.069	3.6	3.6
			4,6-Dinitro-2-Methylphenol	(4th IS)	0.1404	0.1330	0.1330	5.2	5.2
			Bis(2-ethylhexyl)phthalate	(5th IS)	0.8967	0.9449	0.9449	5.4	5.4
			Benzoa(pyrene)	(6th IS)	1.059	1.068	1.068	0.8	0.8
2	ccv 17:02	3/4/14	Benzaldehyde	(1st IS)	0.5410	0.5602	0.5602	3.5	3.5
			Caprolactam	(2nd IS)	0.0830	0.0937	0.0937	12.8	12.8
			Atrazine	(3rd IS)	0.2373	0.2808	0.2808	18.4	18.4
			N-Nitrosodiphenylamine	(4th IS)	0.5635	0.5447	0.5447	3.3	3.3
			3,3"-Dichlorobenzidine	(5th IS)	0.3258	0.3371	0.3371	3.5	3.5
3									

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574Aa

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: AC

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)		Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 0643	3/5/14	Phenol	(1st IS)	1.832	1.738	1.738	5.2	5.2
			Nitrobenzene	(2nd IS)	0.3576	0.3636	0.3636	1.7	1.7
			Acenaphthene	(3rd IS)	1.108	1.073	1.073	3.2	3.2
			4,6-Dinitro-2-Methylphenol	(4th IS)	0.1404	0.1240	0.1240	11.7	11.7
			Bis(2-ethylhexyl)phthalate	(5th IS)	0.8967	0.9319	0.9319	3.9	3.9
			Benzoa(pyrene)	(6th IS)	1.059	1.067	1.067	0.8	0.8
2	CCV 0706	3/5/14	Benzaldehyde	(1st IS)	0.5410	0.5760	0.5760	6.5	6.5
			Caprolactam	(2nd IS)	0.0830	0.0880	0.0880	5.9	5.9
			Atrazine	(3rd IS)	0.2373	0.2620	0.2620	10.4	10.4
			N-Nitrosodiphenylamine	(4th IS)	0.5635	0.5447	0.5447	3.3	3.3
			3,3"-Dichlorobenzidine	(5th IS)	0.3258	0.3277	0.3277	0.6	0.6
3									

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574Q9

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer: CA

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #26 10X DL

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50	4.74	95	95	0
2-Fluorobiphenyl	↓	4.70	94	94	↓
Terphenyl-d14	↓	5.64	113	113	↓
Phenol-d5	↓	4.25	85	85	↓
2-Fluorophenol	↓	3.99	80	80	↓
2,4,6-Tribromophenol	↓	4.03	81	81	↓
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentation

RPD = I MSC - MSC I * 2/(MSC + MSDC) MSC = Matrix spike concentration MSDC = Matrix spike duplicate concentration

MS/MSD samples: 29 + 30

Compound	Spike Added (ng/kg)		Sample Concentration (ng/kg)	Spiked Sample Concentration (ng/kg)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalc
Phenol	3590	3580	ND	3060	3020	85	85	84	84	1	1
N-Nitroso-di-n-propylamine	↓	↓	↓	3450	3430	96	96	96	96	0	0
4-Chloro-3-methylphenol				3710	3620	104	104	101	101	3	3
Acenaphthene	↓	↓		3130	3110	87	87	87	87	1	1
Pentachlorophenol	7180	7150		7040	6990	98	98	98	98	1	1
Pyrene	3590	3580	↓	4270	4100	119	119	115	115	4	4

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574A29

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: LCS 480-167993

Compound	Spike Added (ug/kg)		Spike Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	3300	NA	2730	NA	83	83				
N-Nitroso-di-n-propylamine	↓	↓	3090	↓	93	93				
4-Chloro-3-methylphenol			3240		98	98				
Acenaphthene	↓		2870		87	87				
Pentachlorophenol	6610		6470		98	98				
Pyrene	3300	↓	3180	↓	96	96	NA			

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574A2a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer: AL

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #26 , Benzo(a) pyrene

Conc. = $\frac{(48283)(40)(1)(10)(100)}{(154337)(1.0592)(30.22)(0.912)}$

= 4287 ug/kg

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

YES NO N/A

E - The concentration of this analyte exceeds the calibration range of the instrument.

A - Indicates a Tentatively Identified Compound (TIC) is a suspected adol-condensation product.

X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 480-55280-1 LAB: Test America

SITE NAME: Glen Island

1.0 Data Completeness and Deliverables

1.1 Has all data been submitted in CLP deliverable format? [✓] ___ ___

ACTION: If not, note the effect on review of the data in the data assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative or cover letter present? [✓] ___ ___

2.2 Are case number and SDG number(s) contained in the narrative or cover letter? [✓] ___ ___

	YES	NO	N/A

II. SEMIVOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Report Forms present for all samples? [✓] [ ] [ ]

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? [✓] [ ] [ ]

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, all non-detects data are qualified as unusable (R), and detects are flagged "J".

ACTION: If samples were not iced, or if the ice was melted upon arrival at the laboratory and the cooler temperature was elevated (10°C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any semivolatile technical holding times, determined from date of collection to date of extraction, been exceeded? [ ] [✓] [ ]

Continuous extraction of water samples for semivolatile analysis must be started within 7 days of the date of collection. Soil/sediment samples must be extracted within 14 days of collection. Extracts must be analyzed within

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

Sample ID	Sample Matrix	Date Sampled	Date Lab Received (See Traffic Report)	Date Extracted	Date Analyzed

ACTION: If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

	YES	NO	N/A
3.0 Surrogate Recovery (Form II/Equivalent)			
3.1 Have the semi volatile surrogate recoveries been listed on CLP Surrogate Recovery forms (Form II) for each of the following matrices:			
a. Low Water	[✓]	___	___
b. Low/Med Soil	[✓]	___	___
3.2 If so, are <u>all the samples listed</u> on the appropriate Surrogate Recovery Summary forms for each matrix:			
a. Low Water	[✓]	___	___
b. Low/Med Soil	[✓]	___	___
ACTION: If CLP deliverables are unavailable, document the effect(s) in data assessments. In some cases the lab may have to be contacted to obtain the data necessary to complete the validation.			
3.3 Were outliers marked correctly with an asterisk?	[✓]	___	___
ACTION: Circle all outliers in red.			
3.4 Were two or more base neutral <u>OR</u> acid surrogate recoveries out of specification for any sample or method blank (Reviewer should use lab in house recovery limits. Use surrogate recovery limits from USEPA National Functional Guidlines January 2005 page 130, if in house limits are not available. See Method 8000B-43 or 80000C-24).	[ ]	✓	___
Note: Examine lab in house limits for reasonableness.			
If yes, were samples re-analyzed?	[ ]	___	✓

	YES	NO	N/A
Were method blanks re-analyzed?	[ ]	___	✓

ACTION: If all surrogate recoveries are > 10% but two within the base-neutral or acid fraction do not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):

1. Flag all positive results as estimated ("J").

2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.

3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects.

If any base-neutral or acid surrogate has a recovery of < 10%:

1. Positive results for the fraction with < 10% surrogate recovery are qualified with "J".

2. Non-detects for that fraction should be qualified as unusable (R) .

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. Check the internal standard areas.

3.5 Are there any transcription/calculation errors between raw data and Form II?	___	[✓]	___

ACTION: If large errors exist, call lab for explanation/resubmittal, make any necessary corrections and document

YES NO N/A

effect in data assessments.

4.0 Matrix Spikes (Form III/Equivalent)

4.1 Have the semivolatile Matrix Spike and Matrix Spike Duplicate/or duplicate unspiked Sample recoveries been listed on the Recovery Form (Form III)? [✓] ___ ___

NOTE: Method 3500B/page 4 states the spiking compounds:

Base/neutrals	Acids
1,2,4-Trichlorobenzene	Pentachlorophenol
Acenaphthene	Phenol
2,4-Dinitrotoluene	2-Chlorophenol
Pyrene	4-Chloro-3-methylphenol
N-Nitroso-di-n-propylamine	4-Nitrophenol
1,4-Dichlorobenzene	

Note: Some projects may require the spiking of specific compounds of interest.

Note: See Method 8270D-sec 8.4.2 for deciding on whether to prepare and analyze duplicate samples or a martix spike/matrix spike duplicate. If samples are expected to contain target analytes, then laboratory may use one matrix spike and a duplicate analysis of an unspiked field sample. If samples are not expected to contain target analytes, laboratory should use a matrix spike and matrix spike duplicate pair.

4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:

a. Low Water [ ] ___ [✓]

b. Low Solid [✓] ___ ___

c. Med Solid [ ] ___ [✓]

YES NO N/A

ACTION: If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE: If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/l for base compounds (Method 3500B-4), or those specified in project plan. In house values ☑ ___ ___

4.4 How many semivolatile spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

Water	Solids
NA out of ____	3 out of 16

YES NO N/A

4.5 How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?

Water	Solids
NA out of ____	0 out of 13

ACTION: Circle all outliers with red pencil.

ACTION: No action is taken on MS/MSD data alone. However, using informed professional judgement, the data reviewer may use the matrix spike and matrix spike duplicate results in conjunction with other QC criteria to determine the need for some qualification of the data.

4.6 Was a Laboratory Control Sample (LCS) analyzed with each analytical batch? [✓] ___ ___

NOTE: When the results of the matrix spike analysis indicate a potential problem due to the sample matrix itself, the LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

5.0 Blanks (Form IV/Equivalent)

5.1 Is the Method Blank Summary (Form IV) present? [✓] ___ ___

5.2 Frequency of Analysis:

Has a reagent/method blank analysis been reported per 20 samples of similar matrix, or concentration level, and for each extraction batch? [✓] ___ ___

5.3 Has a method blank been analyzed either after

	YES	NO	N/A
the calibration standard or at any other time during the analytical shift for each GC/MS system used ?	✓		

ACTION: If any method blank data are missing, call lab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra.			
Is the chromatographic performance (baseline stability) for each instrument acceptable for the semivolatiles?	✓		

ACTION: Use professional judgement to determine the effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.		✓	
6.2 Do any field/rinse/ blanks have positive results for target analytes and/or TICs (if required, see section 10 below)?	✓		

YES NO N/A

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case) must be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field Blanks must be qualified for outlying surrogates, poor spectra, instrument performance or calibration QC problems.

ACTION: Follow the directions in the table below to qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all data in the associated samples should be qualified as unusable (R).

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Field	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	> CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample? ✓ ___ ___

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

	YES	NO	N/A
that exceeded the initial calibration range.	[ ]	___	✓
6.5 Does the instrument blank have positive results for target analytes and/or TICs?	___	[ ]	✓

Note: Use professional judgement to determine if carryover occurred and qualify analytes accordingly.

7.0 GC/MS Apparatus and Materials

	YES	NO	N/A
7.1 Did the lab use the proper gas chromatographic column for analysis of semivolatiles by Method 8270D? Check raw data, instrument logs or contact the lab to determine what type of column was used. The method requires the use of 30 m x 0.25 mm ID (or 0.32 mm ID), silicone-coated, fused silica, capillary column.	[✓]	___	___

ACTION: If the specified column, or equivalent, was not used, document the effects in the data assessment. Use professional judgement to determine the acceptability of the data.

8.0 GC/MS Instrument Performance Check (Form V/Equivalent)

	YES	NO	N/A
8.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for decafluorotriphenylphosphine (DFTPP)?	[✓]	___	___

NOTE: The performance solution should also contain 4,4-DDT, pentachlorophenol, and benzidine to verify injection port inertness and column performance. The degradation of DDT to DDE and DDD must be less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (based upon lab experience) and show no peak degradation or tailing before samples are analyzed. (see section 5.5

	YES	NO	N/A

page 8270D-12).

8.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve hour shift? [✓] ___ ___

8.3 Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument? [✓] ___ ___

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS tuning data are available.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ACTION: If lab cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable (R).

8.4 Have the ion abundances been normalized to m/z 198? [✓] ___ ___

8.5 Have the ion abundance criteria been met for each instrument used? [✓] ___ ___

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

	YES	NO	N/A
ACTION: If ion abundance criteria are not met, take action specified in section 3.2			
8.6 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values but if errors are found, check more.)	___	[✓]	___
8.7 Have the appropriate number of significant figures (two) been reported?	[✓]	___	___
ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.			
8.8 Are the spectra of the mass calibration compound acceptable?	[✓]	___	___
ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.			
9.0 Target Analytes			
9.1 Are the Organic Analysis Data Sheets (Form I) present with required header information on each page, for each of the following:			
a. Samples and/or fractions as appropriate	[✓]	___	___
b. Matrix spikes and matrix spike duplicates	[✓]	___	___
c. Blanks	[✓]	___	___
9.2 Has any special cleanup, such as GPC, been performed on all soil/sediment sample extracts (see section 7.2, page 8270D-14)?	[ ]	✓	___

	YES	NO	N/A

ACTION: If data suggests that extract cleanup was not performed, use professional judgement. Make note in the data assessment narrative.

9.3 Are the Reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

a. Samples and/or fractions as appropriate	[✓]	___	___
b. Matrix spikes and matrix spike duplicates (Mass spectra not required)	[✓]	___	___
c. Blanks	[✓]	___	___

ACTION: If any data are missing, take action specified in 3.2 above.

9.4 Are the response factors shown in the Quant Report?	[✓]	___	___
9.5 Is chromatographic performance acceptable with respect to:			
Baseline stability?	[✓]	___	___
Resolution?	[✓]	___	___
Peak shape?	[✓]	___	___
Full-scale graph (attenuation)?	[✓]	___	___
Other:_____	[ ]	___	___

ACTION: Use professional judgement to determine the acceptability of the data.

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

	YES	NO	N/A
each sample?	[✓]	___	___

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the data assessment narrative. If spectra are missing, reject all positive data.

9.7 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	[✓]	___	___
9.8 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?	[✓]	___	___
9.9 Do the relative intensities of the characteristic ions in the sample agree within ± 30% of the corresponding relative intensities in the reference spectrum?	[✓]	___	___

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected (R), flagged "N" (Presumptive evidence of the presence of the compound) or changed to not detected (U) at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 9.7, 9.8, and 9.9.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

YES NO N/A

10.0 Tentatively Identified Compounds (TIC)

10.1 If Tentatively Identified Compounds were required for this project, are all Form Is, Part B present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?

NOTE: Review sampling reports to determine if the lab was required to identify non target analytes (refer to section 7.6.2,page 8270D-21).

10.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following: [ ] ___ ✓

a. Samples and/or fractions as appropriate [ ] ___ ✓

b. Blanks [ ] ___ ✓

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by CAS #.

10.3 Are any target compounds from one fraction listed as TIC compounds in another (e.g., an acid compound listed as a base neutral TIC)? ___ [ ] ✓

ACTION: i. Flag with "R" any target compound listed as a TIC.

ii. Make sure all rejected compounds are properly reported in the other fraction.

10.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the

	YES	NO	N/A
sample mass spectrum?	[ ]	___	✓
10.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%?	[ ]	___	✓

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate and remove "JN". Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R."

11.0 Compound Quantitation and Reported Detection Limits

11.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and RRF were used to calculate Form I result. Were any errors found?	___	[✓]	___

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

11.2 Are the method detection limits adjusted to reflect sample dilutions and, for soils, sample moisture?	[✓]	___	___

YES NO N/A

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC exceedance dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red " X" across the entire page of all Form I's that should not be used, including any in the summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration? [✓] ___ ___

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

13.1 Is the Initial Calibration Form (Form VI/ Equivalent) present and complete for the semivolatile fraction? [✓] ___ ___

ACTION: If any calibration forms or standard row data are missing, take action specified in 3.2 above.

13.2 Are all base neutral or acid RRFs > 0.050? [✓] ___ ___

YES NO N/A

Check the **average RRFs** of the four System Performance Check Compounds (SPCCs): N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol. These compounds must have **average RRFs** greater than or equal to 0.05 before running samples and should not show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with **average RRF <0.05**

1. "R" all non-detects;

2. "J" all positive results.

13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)? ✓ 1 ___ ___

NOTE: The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If grater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective action taken, then "J" qualify all positive hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is ≥ 20.0%, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

13.4 Did the laboratory calculate the calibration curve by the least squares regression fit? ✓ [ ] ___

13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.) ___ [✓] ___

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides? [ ] ✓ ___

	YES	NO	N/A
13.6 If the pesticide compounds include DDT, was the percent breakdown of DDT to DDD and DDE greater than 20%?	___	[ ]	✓

ACTION: If DDT percent breakdown exceeds 20%:

i. Qualify all positive results for DDT with "J". If DDT was not detected, but DDD and DDE results are positive, qualify the quantitation limit for DDT as unusable, "R".

ii. Qualify all positive results for DDD and DDE as presumptively present at an approximate concentration "JN".

14.0 GC/MS Calibration Verification (Form VII/Equivalent)

14.1 Are the Calibration Verification Forms (Form VII) present and complete for all compounds of interest?	[✓]	___	___
14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument?	[✓]	___	___

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

_____

_____

_____

ACTION: If any forms are missing or no calibration verification standard has been analyzed within twelve hours of every sample analysis,

	YES	NO	N/A
call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").			
14.3 Do any of the SPCCs have an RRF <0.05?	___	[✓]	___
If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18.	[ ]	___	✓
14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%?			
ACTION: If yes, make a note in data assessment.			
14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%?	✓	[ ]	___
ACTION: Circle all outliers in red.			
ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.			
14.6 Do any semivolatile compounds have a RRF < 0.05?	___	[✓]	___
ACTION: Circle all outliers in red.			
ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.			
14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).	___	[✓]	___

YES NO N/A

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect(s) in the data assessments.

15.0 Internal Standards (Form VIII)

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration? [ ] ✓ ___

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit
6	PRY	119288	123092	492366

(Attach additional sheets if necessary.)

Note: Check Table 5, 8270D-41 for associated analytes.

ACTION: i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.

ii. Non-detects associated with IS > 100% should not be qualified.

	YES	NO	N/A

iii. If the IS area is below the lower limit (<50%), qualify all associated non-detects (U-values) "J". If extremely low area counts are reported (<25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable (R).

15.2 Are the retention times of all internal standards within 30 seconds of the associated calibration standard? [✓] ___ ___

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

16.0 Laboratory Control Samples (LCS)

16.1 Were any LCS samples run in order to verify analytes which failed criteria for spike recovery? [✓] ___ ___

16.2 Did the lab spike LCS sample spiked with the same analytes and the same concentrations as the matrix spike? [✓] ___ ___

16.3 Were the mean and standard deviation of all analytes within the QC acceptance ranges as shown in Table 6, 8270D-43? [✓] ___ ___

ACTION: If the recovery of any analyte falls out of the designated range, the analytical results for that compound is suspect and should be qualified "J" in the unspiked samples.

17.0 Field Duplicates

17.1 Were any field duplicates submitted for semivolatile analysis? [✓] ___ ___

YES NO N/A

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

LDC #: 31574A3a
SDG #: 480-55280-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Cat A/Cat B

Date: 8/04/14
Page: 1 of 1
Reviewer: FT
2nd Reviewer: CC

METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081~~A~~ B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/25/14
II.	GC Instrument Performance Check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review.
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review.
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional quality assurance and quality control	N	
X.	Florisil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = J/A dq
XIV.	Overall assessment of data	A	
XV.	Field duplicates	SW	D = 5, 10
XVI.	Field blanks	ND	FB = 20

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

soil + water

1	1	LT-G-061-0-2 **	S	11	2	LT-C-062-0-2	S	21	1	AC-GI-001-0-2 5X	S	31	4	AC-GI-001-4-6MS	S
2	2	LT-G-061-4-6		12	2	LT-C-062-2-4		22	4	AC-GI-001-4-6 ** 20X		32	4	AC-GI-001-4-6MSD	↓
3	2	LT-G-061-10-12		13	2	LT-C-062-6-8		23	5	AC-GI-002-0-2		+ 33	1	MB 480-168154	
4	2	LT-G-036-0-2		14	2	LT-C-063-0-2 10X		24	4	AC-GI-002-4-6		− 34	2	MB 480-167995	
5	2	LT-G-036-2-4 D		15	2	LT-C-063-2-4		25	5	CC-GI-001-0-2 20X		− 35	3	MB 480-167979	
6	2	LT-G-036-6-8 **		16	2	LT-C-063-6-8		26	5	CC-GI-001-2-4 ** 20X		− 36	4	MB 480-167996	
7	2	LT-G-037-0-2		17	2	LT-C-069-2-2		27	5	CC-GI-002-0-2 20X		− 37	5	MB 480-168153	
8	2	LT-G-037-2-4		18	2	LT-C-069-4-6		28	5	CC-GI-002-2-4 20X		38			
9	2	LT-G-037-6-8		19	2	LT-C-069-6-8	↓	29	2	LT-G-037-2-4MS	↓	39			
10	1	DUP031 D	↓	20	3	FB030 W		30	2	LT-G-037-2-4MSD	↓	40			

Notes: #21, 14, 23, 25 → 28 were diluted due to the nature of the sample matrix

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG.
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH.
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II.
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ.
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. DB 608	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. DB 1701	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE.	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF.	NN.

Notes:_____

LDC #: 31574A3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: CC

METHOD: V GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
(Y) N N/A Were continuing calibration standards analyzed at the required frequencies?
Y (N) N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
(Y) N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	1/7/14	ICV	RTX CLPII	U	32.7	( )	6, 26, MB 480-167995,	J/UJ/A (ND)
						( )	MB 480-168274	
						( )		
	3/1/14	CCV	RTX CLP I	H	21.8	( )	6, MB 480-167995	J/UJ/A (ND)
	0802					( )		
						( )		
						( )		
	3/3/14	CCV	RTX CLP I	H	22.2	( )	26	J/UJ/A (ND)
	11:14			R	24.8	( )	↓	
				Q	23.0	( )	↓	
						( )		
	3/01/14	CCV	RTX CLP I	A	27.5	( )	22,	J/UJ/A (ND+Det)
	0802			D	32.5	( )	MB 480-167996	
				B	34.5	( )	↓	
				C	34.4	( )		
				E	48.2	( )		
				F	46.2	( )		
				G	36.9	( )		
				T	25.5	( )		
				S	26.8	( )		
				J	23.1	( )		
				H	28.5	( )		
				I	23.7	( )	↓	↓

LDC #: 31574A3a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FZ
2nd Reviewer: CE

METHOD: ✓ GC ___ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a given method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?
Y N N/A Was a method blank performed with each extraction batch?
Y N N/A Were any contaminants found in the method blanks? If yes, please see findings below.

Level IV/D Only

Y N N/A (Gasoline and aromatics only)Was a method blank analyzed with each 24 hour batch?
Y N N/A Was a method blank analyzed for each analytical / extraction batch of ≤20 samples?

Blank extraction date: 3/01/14 Blank analysis date: 3/3/14 Associated samples: 1, 10, 21

Conc. units: ug/kg

Compound	Blank ID	Sample Identification						
	MB 480-168154		1					
C	0.385		0.48/U 1.8					

Blank extraction date: _____ Blank analysis date: _____ Associated samples: _____

Conc. units: _____

Compound	Blank ID	Sample Identification						

ALL CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 31574A3a

VALIDATION FINDINDS WORKSHEET
Surrogate Recovery

Page: 1 of 1
Reviewer: FJ
2nd Reviewer: CE

METHOD: ✓ GC ___ HPLC

Are surrogates required by the method? Yes____ or No____.

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were surrogates spiked into all samples and blanks?

Y N N/A Did all surrogate recoveries (%R) meet the QC limits?

#	Sample ID	Detector/ Column	Surrogate Compound	%R (Limits)	Qualifications
	14, 21, 23	surrogates	outside	limit @ 0%R ( )	no qual >5X PL
	25 → 28			( )	
				( )	
	3	RTX CLP1	θ	138 (32-136)	J/Pdet ND+Det
				( )	
	8		θ	159 ( )	J/Adet ND
				( )	
	13		θ	151 ( )	J/Pdet ND+Det
				( )	
	MB480-167995		θ	148 ( )	J/Pdet ND
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C`	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	1-Chlorooctadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-DCPA
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate		
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC: 31574A3a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: EJ
2nd Reviewer: CA

Method: 8081B

Analyte	Concentration (µg/Kg)		RPD (≤ 100)	Diff.	Diff. Limits	Quall
	5	10				
M	0.57	0.34U		0.05	(≤3.8)	
J	0.88	0.27U		0.01	(≤3.8)	
B	0.90	0.19U		0.40	(≤3.8)	
K	0.53	0.24U		0.16	(≤3.8)	
P	0.75	0.24U		0.02	(≤3.8)	

LDC #: 31574A3a

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Page: 1 of 1
Reviewer: FM
2nd Reviewer: CR

METHOD: V GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

Y N N/A Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y N N/A Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

#	Compound Name	%RPD Bet 2 columns Finding ≤25	Associated Samples	Qualifications
	T	62.6	1	J/A det
	O	65.6	↓	↓
	T	46.9	22	J/A det
	J	80.3		NJ
	O	98.1		↓
	G	38.8	26	J/A det
	I	55.5	↓	↓

Comments: See sample calculation verification worksheet for recalculations

LDC#: 31574A3a
SDG#: pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FJ
2nd Reviewer: CQ

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	RTX CLPI Instrument 5	Endosulfan I	Point 1	410937	0.0050
			Point 2	831636	0.0100
			Point 3	4159602	0.0500
			Point 4	7861085	0.1000
			Point 5	11413791	0.1500

Regression Output		*Reported*
Constant	*144960.778141*	*44875.773600*
Std Err of Y Est		
R Squared	*0.998925*	*0.999000*
Degrees of Freedom		
X Coefficient(s)	*76038879.712042*	*77627530.600000*
Std Err of Coef.		
Correlation Coefficient	*0.999462*	
Coefficient of Determination (r^2)	*0.998925*	

LDC#: 31574A3a
SDG#: pw cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FJ
2nd Reviewer: CR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	RTX CLPII Instrument 5	Endosulfan I	Point 1	304257	0.0050
			Point 2	609027	0.0100
			Point 3	3291435	0.0500
			Point 4	6647798	0.1000
			Point 5	9970303	0.1500

Regression Output		*Reported*
Constant	*-43699.506872*	*-38831.808000*
Std Err of Y Est		
R Squared	*0.999991*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*66797833.442408*	*66720568.400000*
Std Err of Coef.		
Correlation Coefficient	*0.999995*	
Coefficient of Determination (r^2)	*0.999991*	

LDC#: 31574A3a
SDG#: pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FJ
2nd Reviewer: CL

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	RTX CLPI Instrument 5	Methoxychlor	Point 1	233767	0.0050
			Point 2	458644	0.0100
			Point 3	2115052	0.0500
			Point 4	4153915	0.1000
			Point 5	6093502	0.1500

Regression Output		*Reported*
Constant	*61012.923757*	*38324.750800*
Std Err of Y Est		
R Squared	*0.999784*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*40475604.384817*	*40835734.100000*
Std Err of Coef.		
Correlation Coefficient	*0.999892*	
Coefficient of Determination (r^2)	*0.999784*	

LDC#: 31574A3a
SDG#: pw cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: F2
2nd Reviewer: CR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	RTX CLPII Instrument 5	Methoxychlor	Point 1	141273	0.0050
			Point 2	269772	0.0100
			Point 3	1410089	0.0500
			Point 4	3000933	0.1000
			Point 5	4619252	0.1500

Regression Output		*Reported*
Constant	*-58166.297775*	*-21858.719000*
Std Err of Y Est		
R Squared	*0.999245*	*0.999000*
Degrees of Freedom		
X Coefficient(s)	*30895715.837696*	*303194005.1*
Std Err of Coef.		
Correlation Coefficient	*0.999622*	
Coefficient of Determination (r^2)	*0.999245*	

LDC#: 31574A39
SDG#: no cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FD
2nd Reviewer: CR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	RTX CLPI Instrument 6	Endosulfan I	Point 1	314768	0.0050
			Point 2	623944	0.0100
			Point 3	3281352	0.0500
			Point 4	6301950	0.1000
			Point 5	8781371	0.1500

Regression Output		***Reported***
Constant	*136881.101767*	*23840.027100*
Std Err of Y Est		
R Squared	*0.996747*	*0.997000*
Degrees of Freedom		
X Coefficient(s)	*59107871.400524*	*60902174.200000*
Std Err of Coef.		
Correlation Coefficient	*0.998372*	
Coefficient of Determination (r^2)	*0.996747*	

LDC#: 31574A3a
SDG#: re cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FZ
2nd Reviewer: CA

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	RTX CLPII Instrument 6	Endosulfan 1	Point 1	350177	0.0050
			Point 2	703108	0.0100
			Point 3	3582108	0.0500
			Point 4	6806586	0.1000
			Point 5	9741029	0.1500

Regression Output		***Reported***
Constant	*133475.874018*	*34030.847600*
Std Err of Y Est		
R Squared	*0.998347*	*0.998000*
Degrees of Freedom		
X Coefficient(s)	*65128979.777487*	*66707472.300000*
Std Err of Coef.		
Correlation Coefficient	*0.999173*	
Coefficient of Determination (r^2)	*0.998347*	*0.998000*

LDC#: 3157443a
SDG#: see cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FZ
2nd Reviewer: CR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	RTX CLPI Instrument 6	Methoxychlor	Point 1	135380	0.0050
			Point 2	271473	0.0100
			Point 3	1384185	0.0500
			Point 4	2685767	0.1000
			Point 5	3921098	0.1500

Regression Output		***Reported***
Constant	*29234.616165*	*6238.887720*
Std Err of Y Est		
R Squared	*0.999446*	*0.999000*
Degrees of Freedom		
X Coefficient(s)	*26195967.997382*	*26560979.600000*
Std Err of Coef.		
Correlation Coefficient	*0.999723*	
Coefficient of Determination (r^2)	*0.999446*	

LDC#: 31574A3a
SDG#: pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: EJ
2nd Reviewer: CL

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	RTX CLPII Instrument 6	Methoxychlor	Point 1	101958	0.0050
			Point 2	207982	0.0100
			Point 3	1219660	0.0500
			Point 4	2480600	0.1000
			Point 5	3758129	0.1500

Regression Output		*Reported*
Constant	*-37608.786322*	*-30561.864000*
Std Err of Y Est		
R Squared	*0.999963*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*25258326.767016*	*25146470.900000*
Std Err of Coef.		
Correlation Coefficient	*0.999981*	
Coefficient of Determination (r^2)	*0.999963*	*1.000000*

LDC#: 31574A3a
SDG#: pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: EJ
2nd Reviewer: CA

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	RTX CLP1 Instrument 25	Endosulfan1	Point 1	193596	0.0050
			Point 2	405876	0.0100
			Point 3	2404384	0.0500
			Point 4	4651319	0.1000
			Point 5	7063110	0.1500

Regression Output		*Reported*
Constant	*-35617.885798*	*17468.6595*
Std Err of Y Est		
R Squared	*0.999750*	*0.997000*
Degrees of Freedom		
X Coefficient(s)	*47290077.552356*	*36693881.60*
Std Err of Coef.		
Correlation Coefficient	*0.999875*	
Coefficient of Determination (r^2)	*0.999750*	

LDC#: 31574A3a
SDG#: see cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: EJ
2nd Reviewer: CR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	RTX CLPII Instrument 25	Endosulfan	Point 1	92085	0.0050
			Point 2	189151	0.0100
			Point 3	1034041	0.0500
			Point 4	2033682	0.1000
			Point 5	2992673	0.1500

Regression Output		***Reported***
Constant	*3377.440772*	*-9171.8519*
Std Err of Y Est		
R Squared	*0.999661*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*20078554.908377*	*20277750.00*
Std Err of Coef.		
Correlation Coefficient	*0.999831*	
Coefficient of Determination (r^2)	*0.999661*	

LDC#: 31574A3a
SDG#: pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FJ
2nd Reviewer: CR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	RTX CLP1 Instrument 25	Methoxychlor	Point 1	77358	0.0050
			Point 2	161308	0.0100
			Point 3	868559	0.0500
			Point 4	1758232	0.1000
			Point 5	2618956	0.1500

Regression Output		*Reported*
Constant	*-10467.744437*	*-11809.3630*
Std Err of Y Est		
R Squared	*0.999960*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*17576989.594241*	*17598285.10*
Std Err of Coef.		
Correlation Coefficient	*0.999980*	
Coefficient of Determination (r^2)	*0.999960*	

LDC#: 31574A3a
SDG#: pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: [illegible]
2nd Reviewer: [illegible]

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	RTX CLPII Instrument 25	Methoxychlor	Point 1	36615	0.0050
			Point 2	74941	0.0100
			Point 3	418140	0.0500
			Point 4	873566	0.1000
			Point 5	1330781	0.1500

Regression Output		*Reported*
Constant	*-16268.437827*	*-10144.0280*
Std Err of Y Est		
R Squared	*0.999769*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*8937730.759162*	*8840517.91*
Std Err of Coef.		
Correlation Coefficient	*0.999884*	
Coefficient of Determination (r^2)	*0.999769*	

LDC #: 31574A3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: EJ
2nd Reviewer: CZ

METHOD: GC ✓ HPLC ____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv-25 0802	3/01/14	endosulfan I	0.0500	0.0609	0.0609	21.8	21.8
		RTX CLP1	methoxychlor		0.0559	0.0559	11.8	11.8
			endosulfan I		0.0516	0.0516	3.1	3.1
		RTX CLP2	methoxychlor		0.0485	0.0485	3.1	3.1
2	ccv-25 11:41	3/03/14			0.0611	0.0611	22.2	22.2
		1			0.0518	0.0518	3.6	3.6
					0.0520	0.0520	4.1	4.1
		2			0.0443	0.0443	11.4	11.4
3	ccv-5 0802	3/01/14			0.0642	0.0642	28.5	28.5
		1			0.0457	0.0457	8.5	8.5
					0.0564	0.0564	12.8	12.8
		2			0.0483	0.0483	3.3	3.3
4	ccv-6 11:38	3/3/14			0.0579	0.0579	15.7	15.7
		1			0.0544	0.0544	8.8	8.8
					0.0513	0.0513	2.7	2.7
		2			0.0447	0.0447	10.6	10.6

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574A3a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer: CR

METHOD:GC Chlorinated Pesticides (EPA SW 846 Method 8081)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 6

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
DCB	RTX CLP 1	0.02	0.0267	133	133	0
TCMX	↓	↓	0.0199	99	99	↓
↓	RTX CLP2	↓	0.0197	99	99	
	↓		0.0211	106	106	

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

LDC #: 31574A3a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: OZ

METHOD: GC Chlorinated Pesticide (EPA SW 846 Method 8081)

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100

Where SSC = Spiked sample concentration; SC = Sample concentration; SA = Spike added; MS = Matrix spike; MSD = Matrix spike duplicate

MS/MSD samples: 29 & 30

Compound	Spike Added (ug/kg)		Sample Conc. (ug/kg)	Spike Sample Concentration (ug/kg)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	---	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gamma-BHC	18.1	17.9	ND	17.5	16.0	97	97	89	89	9	9
4,4'-DDT	↓	↓	↓	18.7	16.8	103	103	94	94	10	10

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574A3a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC Chlorinated Pesticide (EPA SW 846 Method 8081)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

Where SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: LCS 480-167995

Compound	Spike Added (ug/kg)		Spike Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gamma-BHC	16.4	NA	16.0	NA	97	97				
4,4'-DDT	↓	↓	16.9	↓	103	103	NA			

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574A3a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: OK

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. # 26 Compound Name 4,4 DDD

Concentration = $\frac{0.003308\ (10)\ (20)\ (1000)}{(30.27)\ (0.912)}$

24 ug/kg

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications
	39165= 18724719.6 (X) − 22775.737				
		X= 0.003308			

Comments: _____

SAMPCALew.wpd

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 31574A3a SDG# 480-55280-1
LAB: Test America, Inc SITE: Glen Island

1.0 Data Completeness and Deliverables	YES	NO	N/A
1.1 Has all the data been submitted in CLP deliverable format?	[✓]	___	___
1.2 Have any missing deliverables been received and added to the data package?	[ ]	___	✓

ACTION: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.

2.0 Cover Letter, SDG Narrative			
2.1 Is a laboratory narrative or cover letter present?	[✓]	___	___
2.2 Are the case number and/or SDG number contained in the narrative or cover letter?	[✓]	___	___

3.0 Data Validation Checklist			
3.1 Does this data package contain:			
Water data?	[✓]	___	___
Waste data?	[ ]	___	✓
Soil/solid data?	[✓]	___	___

ORGANOCHLORINE PESTICIDE

	YES	NO	N/A

1.0 Traffic Reports and Laboratory Narrative

1.1 Are traffic report and chain-of-custody forms present for all samples? [✓] ___ ___

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data? ✓ [ ] ___

ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded? ___ [✓] ___

Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

Matrix	Preserved	Criteria	Action	
			Detected compounds	Non-detected compounds
Aqueous	No	≤ 7 days (extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 7 days (extraction) > 40 days (analysis)	J*	UJ
	Yes	≤ 7 days (extraction) ≤ 40 days (analysis)	No qualification	
	Yes	> 7 days (extraction) > 40 days (analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R
Non-aqueous	No	≤ 14days (extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 14days (extraction) >40 days (analysis)	J	UJ
	Yes	≤ 14days (extraction) ≤ 40 days (analysis)	No qualification	
	Yes	> 14days (extraction) > 40 days (analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R

* only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a. Water/Waste [✓] ___ ___

b. Soil/Solid [✓] ___ ___

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

a. Water [✓] ___ ___

b. Waste [ ] ___ ✓

c. Soil/Solid [✓] ___ ___

ACTION: Call lab for explanation/resubmittals. If missing deliverables are unavailable, document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks? Used lab in-house limit [ ] ✓ ___

Note: Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis? [✓] ___ ___

ACTION: Follow surrogate action, Table 2 below.

YES NO N/A

Table 2. Surrogate Recovery Criteria

Criteria	Action	
	Detected Target Compounds	Non-detected Target Compounds
%R > 200%	J	Use professional judgement
150% < %R ≤ 200%	J	No qualification
30% ≤ %R ≤ 150%	No qualification	
10% ≤ %R < 30%	J	UJ
%R < 10% (sample dilution not a factor)	J	R
%R < 10% (sample dilution is a factor)	Use professional judgement	
RT out of RT window	Use professional judgement	
RT within RT window	No qualification	

3.6 Are there any transcription/calculation errors between raw data and Form II? [ ] ✓ ___

ACTION: If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 Laboratory Control Sample(LCS)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples. ✓ ___ ___

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

YES NO N/A

4.2 Were Laboratory Control Samples analyzed at the required concentration for all analytes of interest as specified in Table 3 below. Use lab-in-house criteria ☑ ___ ___

Note: Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m-xylene(surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note: The LCS might be spiked with the same analytes at the same concentration as the matrix spike.

ACTION: If Laboratory Control Samples were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

4.3 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in table above? Lab limits ☑ ___ ___

YES NO N/A

ACTION: For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

Criteria	Action	
	Detected Associated Compounds	**Non-Detected Compounds**
%R > Upper Acceptance Limit	J	No qualification
%R < Upper Acceptance Limit	J	R
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No qualifications	

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix? ☑ ___ ___

NOTE: For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent? ☑ ___ ___

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

		YES	NO	N/A
a.	Water	[ ]	___	✓
b.	Waste	[ ]	___	✓
c.	Soil/Solid	[✓]	___	___

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the required concentration for all analytes of interest as specified in Table 5 below. [✓] ___ ___

lab limits

Note: Spiking analytes may differ from those in Table 5. Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike concentration should be:

1) For regulatory compliance monitoring - the regulatory concentration limit or 1 to 5 times the expected background concentration, whichever is higher;

2) For all other aqueous samples - the larger of either 1 to 5 x times the expected background

YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

3) For soil/solid and waste samples - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in Table 6 below. Use lab in-house criteria ☑ ___ ___

Note: Use lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE: The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION: Follow the matrix spike actions (Table 7) for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action	
	Detected Associated Compounds	**Non-Detected Compounds**
%R or RPD > Upper Acceptance Limit	J	No qualification
20% R ≤ %R < Lower Acceptance Limit	J	UJ
%R < 20%	J	Use professional judgement
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	No qualifications	

Note: When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

6.1 Was reagent blank data reported on Method Blank Summary form(s) (Form IV)?

6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch? [✓] ___ ___

Note: Method blank should be analyzed, either after the calibration standard or at any other time during the analytical shift.

YES NO N/A

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides? [✓] ___ ___

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary. ___ [ ] ___

7.2 Do any field/rinse blanks have positive organochlorine pesticide results? ___ [✓] ___

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Clean up, Instrument, Field	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	> CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U
		≥ CRQL and ≥ blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant concentration in the blank is multiplied by the sample dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams", "junk peaks"), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample? [✓] ___ ___

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 Gas Chromatography with Electron Capture Detector (GC/ECD) Instrument Performance Check (CLP Form VI and Form VII Equivalent)

8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides? Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (See Method 8081B-8, section 4.2) [✓] ___ ___

8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent. Indicate the specific type of column used for:

column 1: RTX - CLP 1

column 2: RTX - CLP 2

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

9.0 Calibration and GC Performance

9.1 Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS, replicates?

a. DDT/endrin breakdown check [✓] ___ ___

		YES	NO	N/A
b.	toxaphene	[✓]	___	___
c.	technical chlordane	[ ]	___	✓
d.	5 pt. initial calibration standards	[✓]	___	___
e.	calibration verification standards	[✓]	___	___
f.	LCS	[✓]	___	___
g.	Method blanks	[ ] ✓	___	___

ACTION: If no, take action specified in 3.2 above.

9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)? [✓] ___ ___

ACTION: If no, take action as specified in 3.2 above.

9.3 Has the individual % breakdown exceeded 20.0% on either column for:

- 4,4' - DDT? ___ [✓] ___
- endrin? ___ [✓] ___

ACTION: If any % breakdown has failed the QC criteria in the breakdown check standard, qualify all sample analyses in the entire analytical sequence as described below.

a. If 4,4'-DDT breakdown is greater than 20.%:

i. Qualify all positive results for DDT with 'J". If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ("R").

ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ("NJ").

YES NO N/A

b. If endrin breakdown is greater than 20.0%:

i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").

ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").

9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence? [✓] ___ ___

NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

9.5 Are there any transcription/calculation errors between raw data and data summary forms. ___ [✓] ___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms? [✓] ___ ___

YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all pesticides are established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the mid-concentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above? ☑ ___ ___

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence? ☑ ___ ___

ACTION: i. If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows

YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes). μ2 ☑ ___ ___

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria	
	Detected Associated Compounds	**Non-Detected Associated Compounds**
% RSD exceeds allowable limits*	J	No qualification
% RSD within allowable limits*	NO qualifications	

* %RSD ≤ 20% for single component compounds except alpha-BHC and delta-BHC.
%RSD ≤ 25% for alpha-BHC and delta-BHC
%RSD ≤ 30% for Toxaphene peaks
%RSD ≤ 30% for surrogates(tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

	YES	NO	N/A
working day, prior to sample analyses (pages 8081B-15,sections 7.5.2)?	[✓]	___	___
9.11 Has a calibration verification standard also been analyzed after every 10 samples and at the end of each analytical sequence (page 8081B-15, section 7.5.2)?	[✓]	___	___

ACTION: If no, take action as specified in section 3.2 above.

9.12 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence (closing CCV). Has no more than 72 hours elapsed from the injection of the sample with a Toxaphene detection and the Toxaphene CCV?	[✓]	___	___

ACTION: See Table 10 below.

9.13 Has the percent difference (%D) exceeded ± 20% for any organochlorine pesticide analyte in any calibration verification standard?	✓	[ ]	___
9.14 Has a new 5 pt. calibration curve been generated for those analytes which failed in the calibration verification standard (page 8081B-16, section 7.5.2.2), and all samples which followed the out-of-control standard (page 8081B-16, section 7.5.2.3)reinjected?	[ ]	✓	___

ACTION: If the %D for any analyte exceeded the ± 20% criterion and the instrument was not recalibrated for those analytes, see table below.

9.15 Have <u>daily</u> retention time windows been properly calculated for each analyte of interest (page 8081B-16, section 7.5.3)), using RTs from the associated mid concentration standard and standard deviation from the initial calibration)?	[✓]	___	___

YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence? ☑ ___ ___

9.17 Do all standard retention times for each mid-concentration standard (analyzed after every 10 samples) fall within the <u>daily</u> RT windows (page 8081B-16, section 7.5.3)? ☑ ___ ___

ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is $\pm$ 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
RT out of RT window	Use professional judgement	
%D not within +/- 20%	J	UJ
Time elapsed greater than section 9.12 criteria.	R	
%D, time elapsed, RT are all within acceptable limits.	No qualifications	

9.18 Are there any transcription/calculation errors between raw data and data summary forms? ___ ☑ ___

ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column? ☑ ___ ___

ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses? ☑ ___ ___

ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

YES NO N/A

accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.

11.0 Extraction Method Cleanup Efficiency Verification (Form IX/Equivalent)

11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?

1. Aqueous samples:

1. Separatory funnel (Method 3510) ✓
2. Continuous liquid-liquid extraction (Method 3520) _____
3. Solid phase extraction (Method 3535) _____
4. Other _____

2. Solid samples:

1. Soxhlet (Method 3540) _____
2. Automated Soxhlet (Method 3541) _____
3. Pressurized fluid (Method 3545) _____
4. Microwave extraction (Method 3546) _____
5. Ultrasonic extraction (Method 3550) ✓
6. Supercritical fluid (Method 3562) _____
7. Other _____

11.2 Is Form IX - Pest-1/Equivalent present and complete for each lot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organochlorine pesticide extracts.) [ ] ___ ✓

YES NO N/A

ACTION: If no, take action specified in 3.2 above. If data suggests that florisil cleanup was not performed, make note in the reviewer narrative.

NOTE: Method 3620A uses Florisil, while the SOW/CLP allows for Florisil cartridges. Method 3620A does not list which pesticides and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct pesticide list. If not stated or available, use the CLP listing or accept what the laboratory used.

11.3 Are all samples listed on modified CLP Pesticide Florisil/Cartridge Check Form? [ ] ___ ✓

ACTION: If no, take action specified in 3.2 above.

11.4 If GPC Cleanup was performed, is Form IX - Pest-2/ Equivalent present? [ ] ___ ___

ACTION: If GPC was not performed and sample results indicate significant sulfur interference, make note in the data assessment.

NOTE: GPC cleanup is not required and is optional. The reviewer should check Project Plan to verify requirement.

11.5 Were the same compounds on Form IX used to check the efficiency of the cleanup procedures? [ ] ___ ✓

11.6 Are percent recoveries (% R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits listed on Form IX:

80-120% for florisil cartridge check? [ ] ___ ___

80-110% for GPC calibration? [ ] ___ ✓

YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J" (estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected? ✓ ___ ___

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)? ___ ✓ ___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses? ✓ ___ ___

Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

YES NO N/A

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives? ___ [ ] ___

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required). [ ] ✓ ___

12.6 Is the percent difference (%D) calculated for the positive sample results on the two GC columns <25.0%? [ ] ✓ ___

NOTE: The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

% Difference	Qualifier
0-25%	none
26-70%	"J"
71-100%	"NJ"
101-200% (No Interference)	"R"
101-200% (Interference detected) "NJ"	
>50% (Pesticide vale is <CRQL)	"U"
>201%	"R"

Note: The lower of the two values is reported on Form I. If using professional judgement,the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found? ___ ☑ ___

NOTE: Single-peak pesticide results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

YES NO N/A

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture? ☑ ___ ___

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable? ☑ ___ ___

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen? ___ ☑ ___

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis? ☑ ___ ___

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55280-1
Reviewer: Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR Glen Isle Partners, LLC
Date: April 15, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-C-061-0-2	280-55280-1	Metals
LT-C-061-4-6	280-55280-2	Metals
LT-C-061-10-12	280-55280-3	Metals
LT-G-036-0-2	280-55280-4	Metals
LT-G-036-2-4	280-55280-5	Metals
LT-G-036-6-8**	280-55280-6	Metals
LT-G-037-0-2	280-55280-7	Metals
LT-G-037-2-4	280-55280-8	Metals
LT-G-037-6-8	280-55280-9	Metals
DUP031	280-55280-10	Metals
LT-C-062-0-2	280-55280-11	Metals
LT-C-062-2-4	280-55280-12	Metals
LT-C-062-6-8	280-55280-13	Metals
LT-C-063-0-2	280-55280-14	Metals
LT-C-063-2-4	280-55280-15	Metals
LT-C-063-6-8	280-55280-16	Metals
LT-C-069-2-2	280-55280-17	Metals
LT-C-069-4-6	280-55280-18	Metals
LT-C-069-6-8	280-55280-19	Metals
FB030	280-55280-20	Metals
AC-GI-001-0-2	280-55280-21	Metals
AC-GI-001-4-6	280-55280-22	Metals
AC-GI-002-0-2	280-55280-23	Metals
AC-GI-002-4-6	280-55280-24	Metals
CC-GI-001-0-2	280-55280-25	Metals
CC-GI-001-2-4**	280-55280-26	Metals
CC-GI-002-0-2	280-55280-27	Metals
CC-GI-002-2-4	280-55280-28	Metals
LT-G-037-2-4MS	280-55280-8MS	Metals
LT-G-037-2-4MSD	280-55280-8MSD	Metals

Associated QC Samples(s):
Field/Trip Blanks: FB030
Field Duplicate pair: LT-G-036-0-2 and DUP031

The above-listed soil and water samples were collected on February 25, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-2, Revision 13 (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011* (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory and instrument blanks. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Iron	0.0209 mg/L		CC-GI-001-2-4**
PB (prep blank)	Calcium Manganese Zinc	0.220 mg/L 0.00122 mg/L 0.00190 mg/L		FB030
PB (prep blank)	Chromium Iron Manganese Zinc	0.363 mg/Kg 2.87 mg/Kg 0.233 mg/Kg 0.297 mg/Kg		AC-GI-001-4-6 AC-GI-002-0-2 AC-GI-002-4-6 CC-GI-001-0-2 CC-GI-001-2-4** CC-GI-002-0-2 CC-GI-002-2-4
PB (prep blank)	Iron Manganese Zinc	1.29 mg/Kg 0.0843 mg/Kg 0.406 mg/Kg		LT-C-061-0-2 LT-C-061-4-6 LT-C-061-10-12 LT-G-036-0-2 LT-G-036-2-4 LT-G-036-6-8** LT-G-037-0-2 LT-G-037-2-4 LT-G-037-6-8 DUP031 LT-C-062-0-2 LT-C-062-2-4 LT-C-062-6-8 LT-C-063-0-2 LT-C-063-2-4 LT-C-063-6-8 LT-C-069-2-2 LT-C-069-4-6 LT-C-069-6-8 AC-GI-001-0-2

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
LT-C-062-0-2	Zinc	10.5 mg/Kg	11.5U mg/Kg
LT-C-062-2-4	Zinc	7.8 mg/Kg	10.7U mg/Kg
LT-C-062-6-8	Zinc	6.5 mg/Kg	10.4U mg/Kg
FB030	Manganese Zinc	0.00059 mg/L 0.0020 mg/L	0.0030U mg/L 0.010U mg/L

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB030 were identified as a field blank. No analytes were detected above the reporting limits in the field blank sample.

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on sample LT-G-037-2-4 for metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
LT-G-037-2-4MS/MSD	Copper	228	-	53 (≤35)	75-125	LT-C-061-0-2	J detects
	Magnesium	54	-	-	75-125	LT-C-061-4-6	J detects
	Manganese	-19	-	-	75-125	LT-C-061-10-12	J detects
	Potassium	66	-	-	75-125	LT-G-036-0-2	J detects
	Aluminum	-	228	-	75-125	LT-G-036-2-4	J detects
	Barium	-	136	-	75-125	LT-G-036-6-8**	J detects
						LT-G-037-0-2	
						LT-G-037-2-4	
						LT-G-037-6-8	
						DUP031	
						LT-C-062-0-2	
						LT-C-062-2-4	
						LT-C-062-6-8	
						LT-C-063-0-2	
						LT-C-063-2-4	
						LT-C-063-6-8	
						LT-C-069-2-2	
						LT-C-069-4-6	
						LT-C-069-6-8	
						AC-GI-001-0-2	
IT-T-004-10-12	Aluminum	219	306	-	75-125	AC-GI-001-4-6	J detects
	Barium	-	178	-	75-125	AC-GI-002-0-2	J detects
	Lead	-	188	37 (≤35)	75-125	AC-GI-002-4-6	J detects
	Zinc	-	144	-	75-125	CC-GI-001-0-2	J detects
						CC-GI-001-2-4**	
						CC-GI-002-0-2	
						CC-GI-002-2-4	

Estimate (J) the positive aluminum, barium, and zinc results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive magnesium, manganese, and potassium results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive copper and lead results for the samples listed above due to high MS percent recovery and RPD results. The direction of the bias cannot be determined. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

Analytes were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

Analyte	Concentration (mg/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	LT-G-036-2-4	DUP031			
Aluminum	9570	7900	19 (≤100)	-	-
Arsenic	4.4	3.2	-	1.2 (≤23.4)	-
Barium	79.4	76.0	4 (≤100)	-	-
Beryllium	0.61	0.49	-	0.12 (≤2.4)	-
Cadmium	0.12	0.063	-	0.057 (≤2.4)	-
Calcium	1640	1330	-	310 (≤586)	-
Chromium	20.3	17.2	17 (≤100)	-	-
Cobalt	5.5	7.2	-	1.7 (≤5.8)	-
Copper	12.4	7.0	-	5.4 (≤11.8)	-
Iron	11700	10300	13 (≤100)	-	-
Lead	37.7	18.0	71 (≤100)	-	-
Magnesium	2310	1790	25 (≤100)	-	-
Manganese	646	480	29 (≤100)	-	-
Nickel	13.6	12.2	-	1.4 (≤58.6)	-
Potassium	587	385	-	202 (≤352)	-
Selenium	0.63	1.0	-	0.37 (≤46.8)	-
Sodium	95.7	73.5	-	22.2 (≤1638)	-
Vanadium	20.9	19.2	8 (≤100)	-	-
Zinc	29.7	22.8	-	6.9 (≤23.4)	-
Mercury	0.062	0.035	-	0.027 (≤0.046)	-

-=no action required

For soil results > 5xRL and RPDs >100; estimate (J) results in the field duplicate pair.
For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

All criteria were met.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31574A4
SDG #: 480-55280-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Cat A/Cat B

Date: 4/11/14
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010C/7000) 7471B/7470A

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/25/14
II.	ICP/MS Tune	NA	~~Not reviewed for Cat A review.~~
III.	Calibration	A	Not reviewed for Cat A review.
IV.	Blanks	SW	TB/EB ✓
V.	ICP Interference Check Sample (ICS) Analysis	A	Not reviewed for Cat A review.
VI.	Matrix Spike Analysis	SW	
VII.	Duplicate Sample Analysis	N	
VIII.	Laboratory Control Samples (LCS)	A	LCS, CRM
IX.	Internal Standard (ICP-MS)	NA	
X.	ICP Serial Dilution	A	~~Not reviewed for Cat A review.~~
XI.	Sample Result Verification	A	Not reviewed for Cat A review. MDL < Results < RL, J
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	SW	(5,10)
XIV.	Field Blanks	ND	FB=20 <RL

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	LT-G-061-0-2	11	LT-C-062-0-2	21	AC-GI-001-0-2	31	MW
2	LT-G-061-4-6	12	LT-C-062-2-4	22	AC-GI-001-4-6	32	
3	LT-G-061-10-12	13	LT-C-062-6-8	23	AC-GI-002-0-2	33	
4	LT-G-036-0-2	14	LT-C-063-0-2	24	AC-GI-002-4-6	34	
5	LT-G-036-2-4	15	LT-C-063-2-4	25	CC-GI-001-0-2	35	
6	LT-G-036-6-8 **	16	LT-C-063-6-8	26	CC-GI-001-2-4 **	36	
7	LT-G-037-0-2	17	LT-C-069-2-2	27	CC-GI-002-0-2	37	
8	LT-G-037-2-4	18	LT-C-069-4-6	28	CC-GI-002-2-4	38	
9	LT-G-037-6-8	19	LT-C-069-6-8	29	LT-G-037-2-4MS	39	
10	DUP031	20	FB030	30	LT-G-037-2-4MSD	40	

Notes: no dilutions

LDC #: 31574B4

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: V
2nd reviewer: 02

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-20	Soil/Water	(Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn,) Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
mw1/20	Soil	(Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn,) Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
Analysis Method		
ICP		(Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn,) Mo, B, Si, CN⁻, ____
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN⁻, ____

Comments: (Mercury by CVAA if performed)

LDC #: 31574A4

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A) Soil preparation factor applied:
Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 26 (>RL)

					Sample Identification								
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit									
Fe			0.0209										

Sample Concentration units, unless otherwise noted: mg/L Associated Samples: 20

					Sample Identification							
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit	20							
Ca		0.220										
Mn		0.00122			0.00059/0.0030							
Zn		0.00190			0.0020/0.010							

Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 22-28 (>RL)

					Sample Identification							
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit								
Cr	0.363											
Fe	2.87											
Mn	0.233											
Zn	0.297											

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31574A4

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A) Soil preparation factor applied:
Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 1-19,21

					Sample Identification							
Analyte	**Maximum PB[a] (mg/Kg)**	**Maximum PB[a] (mg/L)**	**Maximum ICB/CCB[a] (mg/L)**	**Blank Action Limit**	11	12	13					
Fe	1.29											
Mn	0.0843											
Zn	0.406				10.5/11.5	7.8/10.7	6.5/10.4					

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31574A4

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: LW
2nd Reviewer: OR

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Was a matrix spike analyzed for each matrix in this SDG?

Y (N) N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

Y (N) N/A Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

Y (N) N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
1	29/30	Soil	Cu	228		53	1-19,21	J det (All det)
			Mg	54				J/UJ (All det)
			Mn	-19				J/R (All det)
			K	66				J/UJ (All det)
			Al		228			J det (All det)
			Ba		136			J det (All det)
2	LT-T-004-10-12	Soil	Al	219	306		22-28	J det (All det)
			Ba		178		↓	↓
			Pb		188	37		
			Zn		144			

Comments: 29/30: Fe>4X, LT-T-004-10-12: Fe, Mn>4X, No qual for %R

LDC#: 31574A4

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer:
2nd Reviewer:

METHOD: Metals (EPA Method 6010C/7471B)

Compound	Concentration (mg/Kg)		(≤100) RPD	Difference	Limits	Qualifications (Parent Only)
	5	10				
Aluminum	9570	7900	19			
Arsenic	4.4	3.2		1.2	(≤23.4)	
Barium	79.4	76.0	4			
Beryllium	0.61	0.49		0.12	(≤2.4)	
Cadmium	0.12	0.063		0.057	(≤2.4)	
Calcium	1640	1330		310	(≤586)	
Chromium	20.3	17.2	17			
Cobalt	5.5	7.2		1.7	(≤5.8)	
Copper	12.4	7.0		5.4	(≤11.8)	
Iron	11700	10300	13			
Lead	37.7	18.0	71			
Magnesium	2310	1790	25			
Manganese	646	480	29			
Nickel	13.6	12.2		1.4	(≤58.6)	
Potassium	587	385		202	(≤352)	
Selenium	0.63	1.0		0.37	(≤46.8)	
Sodium	95.7	73.5		22.2	(≤1638)	
Vanadium	20.9	19.2	8			
Zinc	29.7	22.8		6.9	(≤23.4)	
Mercury	0.062	0.035		0.027	(≤0.046)	

LDC #: 31574B4

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: W
2nd Reviewer: CL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found x 100 / True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L) m	True (ug/L) n	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP (Initial calibration)	Ba	0.390	0.375	104	104	Y
	ICP/MS (Initial calibration)						
ICV	CVAA (Initial calibration)	Hg	0.00295	0.00300	97	92	Y
CCV	ICP (Continuing calibration)	V	0.492	0.500	98	98	Y
	ICP/MS (Continuing calibration)						
CCV	CVAA (Continuing calibration)	Hg	0.00189	0.00200	95	95	Y
	GFAA (Initial calibration)						
	GFAA (Continuing calibation)						

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31847P4

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

%R = Found / True x 100 Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = |S-D| / (S+D)/2 x 100 Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

%D = |I-SDR| / I x 100 Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Be	0.517	0.500	103	103	Y
LCS	Laboratory control sample	Al	7040.5	8840	79.6	79.5	
29	Matrix spike	Ag	(SSR-SR) 48.1	47.4	101	102	
30	Duplicate	K	4295	3529	20	20	
8	ICP serial dilution	Ca	11.396	10.905	4.3	4.3	

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31874B4

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
Y N N/A Are all detection limits below the CRDL?

Detected analyte results for _____ were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation:

#26 $Zn = \frac{2.449\ mg/L \times 50\ mL}{0.5011\ g \times 0.912} = 246\ mg/kg$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
1	6	Hg	0.01 U	0.010	Y
2	26	Zn	246	246	Y

Note: _____

	YES	NO	N/A
(b) Form I's?	[✓]	___	___
Is the number of samples on the Cover Page the same as the number of samples on the Traffic Report sheet and the Regional Record of Communication (ROC) for the data Case?	[___]	___	✓

ACTION:
If no for any of the above, prepare Telephone Record Log and contact RSCC/PO for re-submittal of the corrected Cover Page from the laboratory.

A.1.6 SDG Narrative, DC-1 & DC-2 Form

Is the SDG Narrative present?	[✓]	___	___
Is Sample Log-In Sheet(Form DC-1) present and complete?	[___]	___	✓
Is Complete SDG Inventory Sheet(Form DC-2) present and complete?	[___]	___	✓

ACTION:
If no, write in the Contract-Problems/ Non-Compliance Section of the Data Review Narrative.

A.1.7 Form I to XV

A.1.7.1 Are all the Form I through Form XV labeled with:

Laboratory Name?	[✓]	___	___
Laboratory Code?	[___]	___	✓
RAS/Non-RAS Case No.?	[✓]	___	___
SDG No.?	[✓]	___	___

	YES	NO	N/A
A.1.1 Contract Compliance Screening Report Present?	[✓]	___	___
ACTION: If no, contact RSCC/PO.			
A.1.2 Record of Communication (from RSCC) Present?	[✓]	___	___
ACTION: If no, request from the RSCC.			
A.1.3 Sampling Trip Report Present and complete?	[✓]	___	___
ACTION: If no, contact RSCC/PO.			
A.1.4 Chain of Custody/Sample Traffic Report Present?	[✓]	___	___
Legible?	[✓]	___	___
Signature of sample custodian present?	[✓]	___	___
ACTION: If no, contact RSCC/WAM/PO.			
A.1.5 Cover Page Present?	[✓]	___	___
Is the Cover Page properly filled in and the verbatim signed by the lab manager or the manager's designee?	[✓]	___	___
Do the sample identification numbers on the Cover Page agree with sample Identification numbers on:			
(a) Traffic Report Sheet?	[ ]	___	✓

		YES	NO	N/A
	Contract No.?	[ ]		✓

ACTION:
If no for any of the above, note under Contract Problem/Non-Compliance Section of the "Data Review Narrative" and contact PO for corrected Form(s) from the laboratory.

A.1.7.2	After comparing values on Forms I-IX against the raw data, do any computation/ transcription errors exceed 10% of the reported values on the Forms for:			
	(a) all analytes analyzed by ICP-AES?		[✓]	
	(b) all analytes analyzed by ICP-MS?		[ ]	✓
	(c) Mercury?		[✓]	
	(d) Cyanide?		[ ]	✓

ACTION:
If yes, prepare Telephone Record Log and contact CLP PO/TOPO for the corrected data from the laboratory.

A.1.8 Raw Data

Data shall not be validated without the hard/electronic copies of the associated raw data for samples and QC samples.

A.1.8.1 Digestion/Distillation Log

Digestion Log for ICP-AES (Form XII)present?	[✓]		
Digestion Log for ICP-MS (Form XII) present?	[ ]		✓
Digestion Log for mercury (Form XII) present?	[✓]		
Distillation Log for cyanide (Form XII) present?	[ ]		✓

Are pH values for metals and

	YES	NO	N/A
cyanide reported for each aqueous sample?	[✓]	_	_
Are percent solids calculations present for soils/sediments?	[✓]	_	_
Are preparation dates present on the sample preparation logs/bench sheets?	[✓]	_	_

NOTE:
Digestion/Distillation log must include weights, volumes, and dilutions used to obtain the reported results.

A.1.8.2 Is the analytical instrument real-time printouts present for:

	YES	NO	N/A
ICP-AES?	[✓]	_	_
ICP-MS?	[ ]	_	✓
Mercury?	[✓]	_	_
Cyanide?	[ ]	_	✓

Are all laboratory bench sheets and instrument raw data printouts necessary to support all sample analyses and QC operations:

	YES	NO	N/A
Legible?	[✓]	_	_
Properly labeled?	[✓]	_	_

Are all field samples, QC samples and field QC samples present on:

	YES	NO	N/A
Digestion/Distillation log?	[✓]	_	_
Instrument Printouts?	[✓]	_	_

ACTION:
If no for any of the above questions in Section A.1.8.1 and Section A.1.8.2, write Telephone Record Log and contact TOPO/PO for re-submittal from the laboratory.

		YES	NO	N/A
A.1.9	Technical Holding Times: (Aqueous and soil samples) (Examine sample Traffic Reports and digestion/distillation logs to determine the holding time from the sample collection date to the sample preparation date.)			
A.1.9.1	Cyanide distillation(14 days)exceeded?	_	[ ]	[✓]
	Mercury analysis(28 days) exceeded?	_	[✓]	_
	Other Metals analysis(180 days)exceeded?	___	___	[✓] _

ACTION:
If yes, reject (R) and red-line non-detects and flag as estimated (J)results ≥ MDL even if sample(s) was preserved properly.

NOTE:
In addition to qualifying the data, a list of all samples and analytes which exceeded the holding times must be prepared. Report for each sample the number of days that were exceeded. (Subtract the sample collection date from the sample preparation date). Attach this list to the data review narrative.

A.1.9.2	Is pH of aqueous samples for:			
	Metals Analysis ≤ 2?	[✓]	___	___
	Cyanide Analysis ≥ 12?	[ ]	_	[✓]

ACTION:
If no for any of the above, flag non-detects as "R" and detects as "J".

A.1.9.3	Is the cooler temperature ≤ 10 C°?	[✓]	_	_

ACTION:
If cooler temperature is >10 °C , flag non-detects as "UJ" and detects as "J".

A.1.10 Final Data Correctness - Form I

A.1.10.1 Are Form I's for all samples

	YES	NO	N/A
present and complete?	[✓]		

ACTION:
If no, prepare Telephone Record Log and contact CLP PO/TOPO for submittal from the laboratory.

A.1.10.2 Verify there are no calculation and transcription errors in the results reported on Form I's. Circle on each Form I all results that are incorrect.

	YES	NO	N/A
Is the calculation error less than 10% of the correct result?	[✓]		
Are results on Form I's reported in correct units (ug/L for aqueous and MG/KG for soils)?	[✓]		
Are results on Form I'S reported by correct significant figures?	[✓]		
Are soil sample results on Form I's corrected for percent solids?	[✓]		
Are all "less than MDL" values reported by the CRQLs and coded with "U"?	[✓]		
Are values less than the CRQLs but greater than or equal to the MDLs flagged with "J"?	[✓]		
Are appropriate contractual quality control and Method qualifiers used?	[✓]		

ACTION:
If no for any of the above questions, prepare Telephone Record Log, and contact CLP PO/TOPO for corrected data.

A.1.10.3 Do EPA sample identification numbers and the corresponding laboratory sample identification numbers match on the Cover Page, Form I's and in the raw data? [✓]

Was a brief physical description

	YES	NO	N/A
of the samples before and after digestion given on the Form I's?	[___]	✓	___
Was any sample result outside the mercury/cyanide calibration range or the ICP-AES/ICP-MS linear range diluted and noted on the Form I?	[___]	___	✓

ACTION:
If no for any of the above, note under the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.11 Initial Calibration

A.1.11.1	Is a record of at least 2 point (A blank and a standard)calibration present for ICP-AES analysis?	[✓]	___	___
	Is a record of at least 2 point (a blank and a standard)calibration present for ICP-MS analysis?	[___]	___	✓
	Is a record of at least 5 point calibration (a blank & 4 standards)present for Hg analysis?	[✓]	___	___
	Is a record of at least 4 point calibration (a blank & 4 standards)present for cyanide?	[___]	___	✓

ACTION:
If incomplete or no initial calibration was performed, reject (R) and red-line the associated data (detects & non-detects).

	Is one initial calibration standard at the CRQL level for cyanide and mercury?	[✓]	___	___

ACTION:
If no, write in the Contract Problem/ Non-Compliance Section of the Data Review Narrative.

.1.11.2	Is the curve correlation coefficient $\geq$ 0.995 for:			

		YES	NO	N/A
	Mercury Analysis?	[✓]	___	___
	Cyanide Analysis?	[___]	___	✓
	ICP-AES(more than 2 point Calib.)?	[✓]	___	___
	ICP-MS (more than 2 point calib.)?	[___]	___	✓

ACTION:
If no, qualify the associated sample results ≥ MDL as estimated "J" and non-detects as "UJ".

NOTE:
The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.).

A.1.12 Initial and Continuing Calibration Verification- Form IIA

A.1.12.1	Present and complete for every metal and cyanide?	[✓]	___	___
	Present and complete for ICP-AES and ICP-MS when both these methods were used for the same analyte?	[___]	___	✓

ACTION:
If no for any of the above, prepare a Telephone Record Log and contact PO/TOPO for re-submittal from the laboratory.

A.1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?	[✓]	___	___

ACTION:
If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.12.3	Was an ICV or a mid-range standard distilled and analyzed with each batch of cyanide samples?	[___]	___	✓

	YES	NO	N/A

ACTION:
If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative and qualify results ≥ MDL as estimated (J).

A.1.12.2 Circle on each Form IIA all percent recoveries that are outside the contract windows.

Are ICV/CCVs within control limits for:

Metals - 90-110%R?	[✓]	___	___
Hg - 80-120%R?	[✓]	___	___
Cyanide - 85-115%R?	[___]	___	✓

ACTION:
If no, qualify all samples between a previous technically acceptable CCV standard and a subsequent technically acceptable CCV standard as follows as follows:

Qualify as estimated (J) all detects and non-detects, if the ICV/CCV %R is between 75-89%(65-79% for Hg; 70-84% for CN). Qualify only positive results(≥ MDL) as "J" if the ICV/CCV %R is between 111-125%(121-135% for Hg;116-130% for CN). Reject (R) and red-line only
detects if the recovery is greater than 125% (135% for Hg; 130% for CN). Reject (R) and red-line all associated results (hits and non-detects)if the recovery is less than 75%(65% for Hg;70% for CN).

NOTE:
For ICV that does not fall within the acceptance limits, qualify all samples reported from the analytical run.

.1.12.3 Was the distilled ICV or mid-range standard for cyanide within acceptance limits (85-115%)? [___] ___ ✓

ACTION:
If no, Qualify all cyanide results ≥ MDL as "J".

1.13 CRQL Standard Analysis - Form IIB

1.13.1 For each ICP-AES run, was a CRI

	YES	NO	N/A
(CRQL or MDL when MDL > CRQL) standard analyzed? (Note:CRI is not required for Al, Ba, Ca, Fe, Mg, Na and K.)	[✓]		
For each ICP-MS run, was a CRI (CRQL or MDL when MDL > CRQL) standard analyzed for each mass/isotope used for the analysis?	[ ]		✓
For each mercury run, was a CRQL standard analyzed?	[✓]		
For each cyanide run, was a CRQL standard analyzed?	[ ]		✓

ACTION:
If no for any of the above, write this deficiency in the Contract Problems/ Non-Compliance Section of the Data Review Narrative, inform CLP PO and flag results in the affected ranges (detects <2xCRQL)as J and non-detects UJ.

The affected ranges are:
ICP-AES Analysis - *True Value ± CRQL
ICP-MS Analysis - *True Value ± CRQL
Mercury Analysis - *True Value ± CRQL
Cyanide Analysis - *True Value ± CRQL
* True value of the CRQL Standard

A.1.13.2	Was a CRQL standard analyzed after the ICV/ICB, before the final CCV/CCB and once every 20 analytical samples in the analytical run for each analysis?	[ ]	✓	

ACTION:
If no, write in the Contract Problem/ Non-Compliance Section of the "Data Review Narrative".

1.13.3 Circle on each Form IIB all percent recoveries that are outside the acceptance windows.

	YES	NO	N/A
Is the CRQL standard within control limits for:			
Metals(ICP-AES/ICP-MS)- 70 - 130%?	[✓]	___	___
Mercury- 70 - 130%?	[✓]	___	___
Cyanide - 70 - 130%?	[___]	___	✓

ACTION:
If no, flag detects <2xCRQL as "J" and non-detects as "UJ" if the CRQL standard recovery is between 50-69%. Flag(J) only detects <2xCRQL if the recovery is between 131% and ≤180%. If the recovery is less than 150%, reject(R) and red-line non-detects and detects < 2xCRQL, and flag (J) detects between 2xCRQL and ICV/CCV. Reject and red-line only detects <2xCRQL and flag (J)detects ≥ 2xCRQL but < ICV/CCV if the recovery is > 180%.

NOTE:
1. Qualify all field samples analyzed between a previous technically acceptable analysis of the CRQL standard and a subsequent acceptable analysis of the CRQL standard
2. Flag (J) or reject (R) only the final sample results on Form I's when Sample raw data are within the affected ranges and the CRQL standard is outside the acceptance windows.
3. The samples and the CRQL standard must be analyzed in the same analytical run.

A.1.14 Initial and Continuing Calibration Blanks - Form III

A.1.14.1 Present and complete for all the instruments used for the metals and cyanide analyses?	[✓]	___	___
Was an initial Calibration Blank analyzed after ICV?	[✓]	___	___
Was a continuing Calibration Blank analyzed after every CCV and every 10 samples or every 2 hours, whichever is more frequent?	[✓]	___	___
Were the ICB & CCB values ≥ MDL but < CRQL reported on Form III and flagged "J" by			

		YES	NO	N/A
	using MDLs from direct analysis(Preparation Method "NP1")? (Check Form III against the raw data)	[✓]	___	___

ACTION:
If no, inform CLP PO/TOPO and make a note in the Contract-Problems/Non-Compliance Section of the "Data Review Narrative".

A.1.14.2 Circle with red pencil on each Form III all Calib. Blank values that are:

≥ MDL but ≤ CRQL

> CRQL

A.1.14.2.1	When MDL < CRQL, is any Calib. Blank value ≥ MDL but ≤ CRQL?	✓	[___]	___

ACTION:
If yes, change sample results ≥ MDL but ≤ CRQL to the CRQL with a "U". Do not qualify non-detects.

A.1.14.2.2	When MDL < CRQL, is any Calib. Blank value > CRQL?	___	[✓]	___

ACTION:
If yes, reject (R) and red line the associated sample results > CRQL but <ICB/CCB Blank Result. Flag as "J" detects > ICB/CCB blank value but < 10xICB/CCB value. Change the sample results ≥ MDL but ≤ the CRQL to CRQL with a "U".

A.1.14.2.3	Is any Calibration Blank value below the negative CRQL?	___	[✓]	___

ACTION:
If yes, flag (J) as estimated all associated sample results ≥ CRQL but <10xCRQL.

NOTE:
1. For ICB that does not meet the technical QC Criteria, apply the action to all samples

	YES	NO	N/A

reported from the analytical run.

2. For CCBs that do not meet the technical QC criteria, apply the action to all samples analyzed between a previous technically acceptable analysis of CCB and a subsequent technically acceptable analysis of the CCB in the analytical run.,

A.1.15 Preparation Blank - FORM III

NOTE: The Preparation Blank for mercury is the same as the calibration blank.

A.1.15.1 Was one Preparation Blank prepared with and analyzed for:

Each Sample Delivery Group (SDG)?	[✓]	___	___
Each batch of the SDG samples digested/distilled?	[✓]	___	___
Each matrix type?	[✓]	___	___
All instruments used for metals and cyanide analyses?	[✓]	___	___

ACTION:
If no for any of the above, flag as estimated (J) all the associated positive data <10xMDL for which the Preparation Blank was not analyzed.

NOTE:
If only one blank was analyzed for more than 20 samples, then the first 20 samples analyzed are not estimated(J), but all additional samples must be qualified (J).

.1.15.2 Circle with red pencil on each Form III all Prep. Blank values that are:

≥ MDL but ≤ CRQL, and

> CRQL

1.15.2.1 When MDL < CRQL, is any preparation blank value ≥ MDL but ≤ CRQL? ___/ [___] ___

ACTION:
If yes, change sample result ≥ MDL

	YES	NO	N/A
but ≤ CRQL to CRQL with a "U".			
A.1.15.2.2 When the MDL ≤ CRQL, is any Preparation Blank value greater than its CRQL?	___	[✓]	___
If yes, is the Prep. Blank value greater than the value of the associated Field Blank collected and analyzed with the SDG samples?	___	[✓]	___
If yes, is the lowest concentration of that analyte in the associated samples less than 10 times the Preparation Blank value?	___	[✓]	___

ACTION:
If yes, reject (R) and red-line all associated sample results greater than the CRQL but less than the Prep.Blank value. Flag as "J" detects > Prep. Blank value but <10xPrep.Blank. If the sample result ≥ MDL but ≤ CRQL, replace it with CRQL-U.

If the Prep. Blank value is less than the same analyte value in the Field Blank, do not qualify the sample results due to the Prep. Blank criteria.

NOTE:
Convert soil sample result to mg/Kg on wet weight basis to compare with the soil Prep. Blank result on Form III.

A.1.15.2.3 Is the Prep. Blank concentration below the negative CRQL?	___	[✓]	___

ACTION:
If yes, flag (J) all associated sample results less than 10xCRQL. Qualify non-detects as estimated (UJ).

A.1.15.2.4 When the MDL is greater than the CRQL, is the preparation blank concentration on Form III greater than two times the MDL?	___	[___]	✓

ACTION:

		YES	NO	N/A
	If yes, reject (R) and red-line all positive sample results with sample raw data less than 10 times the Preparation Blank value.			
A.1.16	ICP-AES/ICP-MS Interference Check Sample (ICS) - Form IV NOTE: Not required for CN, Hg, Al, Ca, Fe and Mg.			
A.1.16.1	Present and complete?	[✓]	___	___
	Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical samples?	[___]	✓	___
	Was ICS analyzed at the beginning of the ICP-MS analytical run?	[___]	___	✓
	ACTION: If no, flag as estimated (J) all sample results.			
A.1.16.2	ICP-AES Method			
A.1.16.2.1	ICSA Solution: For ICP-AES, are the ICSA "Found" analyte values within the control limits ± of CRQL of the true/established mean value?	[/]	___	___
	If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSA Solution on Form IV?	[___]	___	/
	ACTION: If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run: Flag (J) as estimated only sample results ≥MDL			

	YES	NO	N/A
for which the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag non-detects as "UJ" and detects as "J".			
A.1.16.2.3 ICSAB Solution For ICP-AES, are all analyte results in ICSAB within the control limits of 80-120 of the true/established mean value?	[✓]	___	___
If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSAB Solution on Form IV?	[___]	___	✓
ACTION: If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run: Flag (J) as estimated those associated sample results ≥ MDL for which the ICSAB analyte recovery is greater than 120% but ≤ 150%. If the ICSAB recovery falls within 50-79%, qualify sample results ≥ MDL as "J" and non-detects as "UJ". Reject (R) and red-line all sample results (detects & non-detects) for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only positive results.			
A.1.16.3 ICP-MS Method			
A.1.16.3.1 ICSA Solution: For ICP-MS, are the ICSA "Found" analyte values within the control limits of ±CRQL of the true/established mean value?	[___]	___	✓
ACTION: If no, apply the following action to all samples reported from the analytical run: Flag (J) as estimated only sample results ≥ MDL if the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag the associated sample detects as "J" and non-detects as "UJ".			

		YES	NO	N/A
A.1.16.3.3	ICSAB Solution For ICP-MS, are all analyte results in ICSAB within the control limits of 80-120% of the true/established mean value, whichever is greater?	[___]	___	✓

ACTION:
If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated those associated sample results ≥ MDL for which the ICSAB analyte recovery is greater than 120% but ≤ 150%. If the ICSAB recovery falls within 50-79% flag (J) as estimated the associated sample results ≥ MDL. Reject (R) and red-line those all sample detects and non-detects for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only detects (≥ MDL).

A.1.17 Spiked Sample Recovery: Pre-Digestion/Pre-Distillation)-Form V A

Note: Not required for Ca, Mg, K, and Na (both matrices); Al and Fe (soil only)

A.1.17.1	Was Matrix Spike analysis performed:			
	For each matrix type?	[✓]	___	___
	For each SDG?	[✓]	___	___
	On one of the SDG samples?	[✓]	___	___
	For each concentration range (i.e., low, med., high)?	[✓]	___	___
	For each analytical Method (ICP-AES, ICP-MS, Hg, CN) used?	[✓]	___	___
	Was a spiked sample prepared and analyzed with the SDG samples?	[✓]	___	___

ACTION:
If no for any of the above, flag as estimated (J) all the positive data for which a spiked sample was not analyzed.

NOTE:
If more than one spiked sample were analyzed for one SDG, then qualify the associated data based on the worst spiked sample analysis.

		YES	NO	N/A
A.1.17.2	Was a field blank or PE sample used for the spiked sample analysis?	___	[✓]	___

ACTION:
If yes, flag (J) as estimated positive data of the associated SDG samples for which field blank or PE sample was used for the spiked sample analysis.

A.1.17.3	Circle on each Form VA all spike recoveries that are outside the control limits (75-125%) that have sample concentrations less than four times the added spike concentrations.			
	Are all recoveries within the control limits when sample concentrations are less than or equal to four times the spike concentrations?	[___]	/	___
	Are results outside the control limits (75-125%) flagged with Lab Qualifier "N" on Form I's and Form VA?	[___]	/	___

NOTE:
Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.

ACTION:
If no for any of the above, write in the Contract - Problems/Non-Compliance Section of the Data Review Narrative.

A.1.17.4	Aqueous			
	Are any spike recoveries:			
	(a) less than 30%?	___	[___]	/
	(b) between 30-74%?	___	[___]	/
	(c) between 126-150%?	___	[___]	/
	(d) greater than 150%?	___	[___]	/

ACTION:
If the matrix spike recovery is less than 30%, reject (R) and red-line all associated aqueous data (detects & non-detects). If between 30-74%, qualify all associated aqueous data ≥ MDL as "J" and non-detects

	YES	NO	N/A

as "UJ". If between 126-150%, flag (J) all data ≥ MDL as "J". If greater than 150%, reject (R) and red-line all associated data ≥ MDL.

(NOTE:Replace "N" with "J", "R" as appropriate.)

A.1.17.5 Soil/Sediment

Are any spike recoveries:

(a) less than 10%?	/	[ ]	
(b) between 10-74%?	/	[ ]	
(c) between 126-200%?	/	[ ]	
(d) greater than 200%?	/	[ ]	

ACTION:
If yes for any of the above, proceed as follows:

If the matrix spike recovery is less than 10%, reject (R) and red-line all associated data (detects & non-detects); if between 10-74%, qualify all associated data ≥ MDL as "J" and non-detects as "UJ"; if between 126-200%, flag (J) all associated data ≥ MDL as "J" If greater than 200%, reject (R) and red-line all associated data ≥ MDL.
(NOTE:Replace "N" with "J" or "R" as appropriate.)

%R > 200%
· Detected results were not rejected by professional judgement.

A.1.18 Lab Duplicates) - Form VI

A.1.18.1 Was the lab duplicate analysis performed:

For each SDG?	[ ]	✓	
On one of the SDG samples?	[ ]	✓	
For each matrix type?	[ ]	✓	
For each concentration range (low or med.)?	[ ]	✓	
For each analytical Method (ICP-AES/ICP-MS, Hg, CN) Used?	[ ]	✓	
Was a lab duplicate prepared and analyzed with the SDG samples?	[ ]	✓	

		YES	NO	N/A
	ACTION: If no for any of the above, flag (J) as estimated all the SDG sample results (detects & non-detects) for which the lab duplicate analysis was not performed.			
	NOTE: If more than one lab duplicate sample were analyzed for an SDG, then qualify the associated samples based on the worst lab duplicate analysis.			
A.1.18.2	Was a Field Blank or PE sample used for the Lab Duplicate analysis?	___	[___]	___/
	ACTION: If yes, flag as estimated (J) all SDG sample results (hits & non-detects) for which Field Blank or PE sample was used for duplicate analysis.			
A.1.18.3	Circle on each Form VI all values that are: RPD > 20%, or Absolute Difference > CRQL			
	Are all values within control limits (RPD ≤ 20% or absolute difference ≤ ±CRQL)?	[___]	___	___/
	If no, are all results outside the control limits flagged with an "*" (Lab Qualifier) on Form VI and on all Form I's?	[___]	___	___/
	ACTION: If no, write in the Contract-Problems/ Non-Compliance Section of the Data Review Narrative.			
	NOTE: The laboratory is not required to report on Form VI the RPD when both values are non-detects.			
A.1.18.4	Aqueous			
A.1.18.4.1	When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),			

	YES	NO	N/A
is any RPD > 20% but < 100%?	___	[___]	✓
is any RPD ≥ 100%?	___	[___]	✓

ACTION:
If the RPD is > 20% but < 100%, flag (J) as estimated the associated sample data ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line the associated sample data ≥ CRQL.

(NOTE:Replace "*" with "J" or "R" as appropriate.)

A.1.18.4.2 When the sample and/or duplicate value <5xCRQL (substitute MDL for CRQL when MDL >CRQL), is the absolute difference between sample and duplicate values:

> ± CRQL?	___	[___]	✓
> ± 2xCRQL?	___	[___]	✓

ACTION:
If the absolute difference is > CRQL, flag as estimated all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 2xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but < 5xCRQL.
NOTE:
1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

.1.18.5 Soil/Sediment

.1.18.5.1 When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 35% but < 120%?	___	[___]	✓
is any RPD ≥ 120%?	___	[___]	✓

ACTION:
If the RPD is ≥ 35% and < 120%, flag (J) as estimated the associated sample

		YES	NO	N/A
	data ≥ CRQL. If the RPD is ≥ 120%, reject (R) and red-line the associated sample data ≥ CRQL.			
A.1.18.5.2	When the sample and/or duplicate value <5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and duplicate:			
	> ± 2 x CRQL?	___	[___]	___
	> ± 4 x CRQL	___	[___]	___

ACTION:
If the absolute difference is > 2 x CRQL, flag all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 4xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but <5xCRQL.

NOTE:
1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

A.1.19 Field Duplicates

Aqueous Field Duplicates

		YES	NO	N/A
A.1.19.1	Was an aqueous Field Duplicate pair collected and analyzed? (Check Sampling Trip Report)	[___]	✓	___

ACTION:
If yes, prepare a Form (Appendix A.4) for each aqueous Field Duplicate pair. Report the sample and Field Duplicate results on Appendix A.4 from their respective Form I's. Calculate and report RPD on Appendix A.4 when sample and its Field Duplicate values are both > 5xCRQL. Calculate and report the absolute difference on Appendix A.4 when at least one value (sample or duplicate) is <5xCRQL. Evaluate the aqueous Field Duplicate analysis in accordance with the

	YES	NO	N/A

QC criteria stated in Sections A.1.19.2 and A.1.19.3.

NOTE:
1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this the criteria to qualify the results.

A.1.19.2 Circle all values on the Form (Appendix A.4) for Field Duplicates that have:

RPD ≥ 20% or

Difference > ± CRQL

When sample and duplicate values are both ≥5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 20%?	___	[___]	✓
is any RPD ≥ 100%?	___	[___]	___

ACTION:
If the RPD is >20% but < 100%, flag (J) only the associated sample and its Field Duplicate results ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line only the associated sample and its Field Duplicate result ≥ CRQL.

.1.19.3 When the sample and/or duplicate value(s) <5xCRQL (substitute MDL for CRQL when MDL >CRQL), is the absolute difference between sample and duplicate:

> ± CRQL?	___	[___]	✓
> ± 2 x CRQL?	___	[___]	✓

ACTION:
If the absolute difference is > CRQL, flag detects ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the difference is > 2xCRQL, reject (R) and red-line non-detects

		YES	NO	N/A
	and results ≥ MDL but <5xCRQL of the sample and its Field Duplicate.			
	Soil/Sediment Field Duplicates			
A.1.19.4	Was a soil field duplicate pair collected and analyzed? (Check Sampling Trip Report)	[✓]	___	___

ACTION:
If yes, for each soil Field Duplicate pair proceed as follows:

Prepare Appendix A.4 for each Field Duplicate pair. Report on Appendix A.4 all sample and its Field Duplicate results in MG/KG from their respective Form I's. Calculate and report RPD when sample and its duplicate values are both greater than 5xCRQL. Calculate and report the absolute difference when at least one value (sample or duplicate) is < 5xCRQL. Evaluate the Field Duplicate analysis in accordance with the QC Criteria stated in Sections A.1.19.5 and A.1.19.6.

NOTE:
1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and apply the criteria to qualify the results.

		YES	NO	N/A
A.1.19.5	Circle on each Appendix A.4 all values that have:			
	RPD ≥ 35%, or Difference > ± 2xCRQL When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),			
	is any RPD ≥ 35% but < 120%?	___	[___]	✓
	is any RPD ≥ ~~120%~~ 130%?	___	[✓]	___

ACTION:
If the RPD is ≥ 35% but < 120%,

		YES	NO	N/A
	flag only the associated sample and its Field Duplicate results ≥ CRQL as "J". If the RPD is ≥ 120%, reject (R) and red-line only the sample and its Field Duplicate results ≥ CRQL.			
A.1.19.6	When the sample and/or duplicate value(s) <5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and Field Duplicate:			
	> ± 2 x CRQL?	___	[✓]	___
	> ± 4 x CRQL?	___	[___]	✓
	ACTION: If the absolute difference is > 2xCRQL, flag Sample and its Field Duplicate resuts ≥ MDL but <5xCRQL as "J" and non-detects as "UJ". If the difference is >4xCRQL, reject(R) and red-line non-detects and detects ≥ MDL but <5xCRQL of the sample and its Field Duplicate.			
A.1.20	Laboratory Control Sample (LCS)- Form VII			
A.1.20.1	Was one LCS prepared and analyzed for:			
	Each SDG?	[✓]	___	___
	Each matrix type?	[✓]	___	___
	Each batch samples digested/distilled?	[✓]	___	___
	For each Method(ICP-AES,ICP-MS,Hg,CN) used?	[✓]	___	___
	Was an LCS prepared and analyzed with the samples?	[✓]	___	___
	ACTION: If no for any of the above, prepare Telephone Record Log and contact CLP PO or TOPO for submittal of the LCS results. Flag (J) as estimated all the data for which an LCS was not analyzed.			
	NOTE: If only one LCS was analyzed for			

	YES	NO	N/A

more than 20 samples, then the first 20 samples analyzed are not flagged(J), but all additional samples must be qualified (J).

A.1.20.2 Aqueous LCS

Circle on each Form VII the LCS percent recoveries outside control limits 80-120%.

NOTE: 1.Use digested ICV as LCS for aqueous mercury
2.Use distilled ICV as LCS for aqueous cyanide

Is any LCS recovery:

Less than 50%?	___	[/]	___
Between 50% and 79%?	___	[/]	___
Between 121% and 150%?	___	[/]	___
Greater than 150%?	___	[/]	___

ACTION:
If the LCS recovery is less than 50%, reject (R) and red-line all associated sample data (detects & non-detects); for a recovery between 50-79%, flag detects as "J" all non-detects as "UJ". if the LCS recovery is between 121-150%, flag only detects as "J". if the recovery is greater than 150%, reject (R) and red-line all detects.

A.1.20.3 Solid LCS

If an analyte's MDL is equal to or greater than the true value of LCS, disregard the "Action" below for that analyte even though the LCS is out of control limits.

Is the LCS "Found" value greater than the Upper Control Limit reported on Form VII?	___	[/]	___

ACTION:

		YES	NO	N/A
	If yes, flag (J) all the associated detects ≥ MDL as estimated (J).			
	Is the LCS "Found" value lower than the Lower Control Limit reported on Form VII?	___	[✓]	___
	ACTION: If yes, flag detects as "J" and non-dectes as "UJ".			
A.1.21	ICP-AES/ICP-MS Serial Dilution - Form VIII NOTE: Serial dilution analysis is required only when the initial concentration is equal to or greater than 50 x MDL.			
A.1.21.1	Was a Serial Dilution analysis performed:			
	For each SDG?	[✓]	___	___
	On one of the SDG samples?	[✓]	___	___
	For each matrix type?	[✓]	___	___
	For each concentration range (low or med.)?	[✓]	___	___
	Was a Serial Dilution sample analyzed with the SDG samples?	[✓]	___	___
	ACTION: If no for any of the above, flag as estimated (J) detects ≥ MDL of all the SDG samples for which the ICP Serial Dilution Analysis was not performed.			
A.1.21.2	Was a Field Blank or PE sample used for the Serial Dilution Analysis?	___	[✓]	___
	ACTION: If yes, flag as estimated (J) detects ≥ MDL of all the SDG samples			
A.1.21.3	Circle on Form VIII the Percent Differences (%D) between sample results and its dilution results that are outside the control limits ± 10%			

		YES	NO	N/A
	when initial concentrations ≥ 50 x MDLs.			
	Are results outside the control limits flagged with an "E"(Lab Qualifier) on Form VIII and all Form I's?	[___]	___	✓
	ACTION: If no, write in the Contract-Problem/ Non-Compliance Section of the Data Review Narrative.			
A.1.21.4	Are any %D values:			
	> 10%?	___	[✓]	___
	≥ 100%?	___	[✓]	___
	ACTION: If the Percent Difference (%D) is greater than 10%, flag (J) as estimated all associated samples whose raw data ≥ MDL; if the %D is ≥ 100%, reject (R) and red-line all associated samples with raw data ≥ MDL.			
	(NOTE:Replace "E" with "J" or "R" as appropriate.)			
A.1.22	Total/Dissolved or Inorganic/Total Analytes			
A.1.22.1	Were any analyses performed for dissolved as well as total analytes on the same sample(s)?	___	[✓]	___
	Were any analyses performed for inorganic as well as total analytes on the same sample(s)?	___	[✓]	___
	ACTION: If yes, prepare a Form (Appendix A.5) to compare the differences between dissolved (or inorganic) and total analyte concentrations. Compute each difference on Appendix A.5 as a percent of the total analyte only when both of the following conditions are fulfilled:			
	(1) The dissolved(or inorganic)concentration is greater than total concentration, and (2) greater than or equal to 5xMDL. KL professional judgment			
.1.22.2	Is any dissolved (or inorganic) concentration greater than its total concentration by more than 20%?	___	[___]	✓

		YES	NO	N/A
A.1.22.3	Is any dissolved (or inorganic) concentration greater than its total concentration by more than 50%?	___	[___]	___/

ACTION:
If the percent difference is greater than 20%, flag (J) both dissolved/inorganic and total concentrations as estimated. If the difference is more than 50%, reject (R) and red-line both the values.

A.1.23 Field Blank - Form I

NOTE: Designate "Field Blank" as such on Form I

A.1.23.1	Was a Field/Rinsate Bank collected and analyzed with the SDG samples?	[___/]	___	___
	If yes, is any Field/Rinsate Blank absolute value of an analyte on Form I greater than its CRQL (or 2xMDL when MDL>CRQL)?	___	[___/]	___
	If yes, circle the Field Blank value on Form I that is greater than the CRQL, (or 2 x MDL when MDL > CRQL).			
	Is any Field Blank value greater than CRQL also greater than the Preparation Blank value?	___	[___]	___/
	If yes, is the Field Blank value (> CRQL and > the prep. blank value) already rejected due to other QC criteria?	[___]	___	___/

ACTION:
If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result $\geq$ MDL but $\leq$ CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

		YES	NO	N/A
	Prep.Blank value, do not qualify the sample results due to the Field Blank criteria.			
	NOTE: 1. Field Blank result previously rejected due to other criteria cannot be used to qualify field samples. 2. Do not use Rinsate Blank associated with soils to qualify water samples and vice versa.			
A.1.24	Verification of Instrumental Parameters - Form IX, XA, XB, XI			
A.1.24.1	Is verification report present for:			
	Method Detection Limits (Form IX-Annually)?	[✓]	___	___
	ICP-AES Interelement Correction Factors (Form XA & XB -Quarterly)?	[✓]	___	___
	ICP-AES & ICP-MS Linear Ranges (Form XI-Quarterly)?	[✓]	___	___
	ACTION: If no, contact CLP PO/TOPO for submittal from the laboratory.			
A.1.24.2	Method Detection Limits - Form IX			
A.1.24.2.1	Are MDLs present on Form IX for:			
	All the analytes?	[✓]	___	___
	All the instruments used?	[✓]	___	___
	Digested and undigested samples and Calib.Blanks?	✓ [___]	___	___
	ICP-AES and ICP-MS when both instruments are used for the same analyte?	[___]	___	✓
	ACTION: If no for any of the above, prepare Telephone Record Log and contact CLP PO/TOPO for submittal of the MDLs from the laboratory. Report to CLP PO and write in the Contract Problems/ Non-Compliance Section of the Data Review Narrative if the MDL concentration is not less than ½ CRQL.			

		YES	NO	N/A
A.1.24.2.2	Is MDL greater than the CRQL for any analyte?	___	[✓]	___
	If yes, is the analyte concentration on Form I greater than 5 x MDL for the sample analyzed on the instrument whose MDL exceeds CRQL?	[___]	___	✓
	ACTION: If no, flag as estimated (J) all values less than five times MDL for the analyte whose MDL exceeds the CRQL.			
A.1.24.3	Linear Ranges - Form XI			
A.1.24.3.1	Was any sample result higher than the high linear range for ICP-AES or ICP-MS?	___	[✓]	___
	Was any sample result higher than the highest calibration standard for mercury or cyanide?	___	[✓]	___
	If yes for any of the above, was the sample diluted to obtain the result reported on Form I?	[___]	___	✓
	ACTION: If no, flag (J) as estimated the affected detects (≥ MDL) reported on Form I.			
.1.25	ICP-MS Tune Analysis - Form XIV			
.1.25.1	Was the ICP-MS instrument tuned prior to calibration?	[___]	___	✓
	ACTION: If no, reject (R) and red-line all sample data for which tuning was not performed.			
1.25.2	Was the tuning solution analyzed or scanned at least five times consecutively?	[___]	___	✓
	Were all the required isotopes spanning the analytical range present in the tuning solution?	[___]	___	✓
	Was the mass resolution within			

		YES	NO	N/A
0.1 amu for each isotope in the tuning solution?		[___]	___	✓
	Was %RSD less than 5% for each isotope of each analyte in the tuning solution?	[___]	___	✓
	ACTION: If no for any of the above, qualify all results ≥ MDL associated with that Tune as estimated "J", and all non-detects associated with that Tune as "UJ".			
A.1.26	ICP-MS Internal Standards - Form XV			
A.1.26.1	Were the Internal Standards added to all the samples and all QC samples and calibration standards (except the Tuning Solution)?	[___]	___	✓
	Were all the target analyte masses bracketed by the masses of the five internal standards?	[___]	___	✓
	ACTION: If none of the Internal Standards was added to the samples, reject (R) and red-line all the associated sample data (detects & non-detects). If internal standards were used but did not cover all the analyte masses, reject (R) and red-line only the analyte results not bracketed by the internal standard masses.			
A.1.26.2	Was the intensity of an Internal Standard in each sample within 60-125% of the intensity of the same Internal Standard in the calibration blank?	[___]	___	✓
	If no, was the original sample diluted two fold, Internal Standard added and the sample re-analyzed?	[___]	___	✓
	Was the %RI for the two fold diluted sample within the acceptance limits (60-125%)?	[___]	___	✓
	ACTION: If no for any of the above, flag detects as "J" and non-detects "UJ" of all the analytes with atomic masses between the			
	atomic mass of the internal standard lighter			

than the affected internal standard, and the atomic mass of the internal standard heavier than the affected internal standard.

A.1.27 Percent Solids of Sediments

A.1.27.1 Are percent solids in sediment(s):

< 50%? ___ [✓] ___

ACTION:
If yes, qualify as estimated (J) all detects and non-detects of a sample that has percent solids less than 50%(i.e.,moisture content greater than 50%).

NOTE:
Flag(J) only the sample results that were not previously flagged due to other QC criteria.

Inorganic Data Review Narrative

Case# _____ Site: _____ Matrix: Soil ____

SDG# _____ Lab: _____ Water ____

Sampling Team: _____ Reviewer: _____ Other _____

..2.1 Data Validation Flags:
The following flags may have been applied in red by the data validator and must be considered by the data user.

J - This flag indicates the result qualified as estimated

R and Red-Line - A red-line drawn through a sample result indicates unusable value. The red-lined data are known to contain significant errors based on documented information and must not be used by the data user.

U - This data validation qualifier is applied to sample results ≥ MDL when associated blank is contaminated

Fully Usable Data - The results that do not carry "J" or "red-line" are fully usable.

2.2 Laboratory Qualifiers:
The CLP laboratory applies a contractual qualifier on all

Glen Isle - LDC# 31574

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679891A	4801679891A	THALLIUM	3/3/2014			Yes	N	U		U	0.020	0.010	mg/l
4801679891A	4801679891A	VANADIUM	3/3/2014			Yes	N	U		U	0.0050	0.0015	mg/l
4801679891A	4801679891A	SODIUM	3/3/2014			Yes	N	U		U	1.0	0.32	mg/l
4801679891A	4801679891A	SILVER	3/3/2014			Yes	N	U		U	0.0030	0.0017	mg/l
4801679891A	4801679891A	SELENIUM	3/3/2014			Yes	N	U		U	0.015	0.0087	mg/l
4801679891A	4801679891A	POTASSIUM	3/3/2014			Yes	N	U		U	0.50	0.10	mg/l
4801679891A	4801679891A	NICKEL	3/3/2014			Yes	N	U		U	0.010	0.0013	mg/l
4801679891A	4801679891A	MANGANESE	3/3/2014	0.00122		Yes	Y	J		J	0.0030	0.00040	mg/l
4801679891A	4801679891A	MAGNESIUM	3/3/2014			Yes	N	U		U	0.20	0.043	mg/l
4801679891A	4801679891A	LEAD	3/3/2014			Yes	N	U		U	0.0050	0.0030	mg/l
4801679891A	4801679891A	IRON	3/3/2014			Yes	N	U		U	0.050	0.019	mg/l
4801679891A	4801679891A	ALUMINUM	3/3/2014			Yes	N	U		U	0.20	0.060	mg/l
4801679891A	4801679891A	COBALT	3/3/2014			Yes	N	U		U	0.0040	0.00063	mg/l
4801679891A	4801679891A	CHROMIUM, TOTAL	3/3/2014			Yes	N	U		U	0.0040	0.0010	mg/l
4801679891A	4801679891A	CALCIUM	3/3/2014	0.22		Yes	Y	J		J	0.50	0.10	mg/l
4801679891A	4801679891A	CADMIUM	3/3/2014			Yes	N	U		U	0.0010	0.00050	mg/l
4801679891A	4801679891A	BERYLLIUM	3/3/2014			Yes	N	U		U	0.0020	0.00030	mg/l
4801679891A	4801679891A	BARIUM	3/3/2014			Yes	N	U		U	0.0020	0.00070	mg/l
4801679891A	4801679891A	ARSENIC	3/3/2014			Yes	N	U		U	0.010	0.0056	mg/l
4801679891A	4801679891A	ANTIMONY	3/3/2014			Yes	N	U		U	0.020	0.0068	mg/l
4801679891A	4801679891A	ZINC	3/3/2014	0.0019		Yes	Y	J		J	0.010	0.0015	mg/l
4801679891A	4801679891A	COPPER	3/3/2014			Yes	N	U		U	0.010	0.0016	mg/l
4801682611A	4801682611A	LEAD	3/4/2014			Yes	N	U		U	5.1	0.25	mg/kg
4801682611A	4801682611A	MANGANESE	3/4/2014	0.0843		Yes	Y	J		J	1.0	0.033	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801682611A	4801682611A	POTASSIUM	3/4/2014			Yes	N	U		U	154	20.6	mg/kg
4801682611A	4801682611A	SELENIUM	3/4/2014			Yes	N	U		U	20.6	0.41	mg/kg
4801682611A	4801682611A	SILVER	3/4/2014			Yes	N	U		U	2.6	0.21	mg/kg
4801682611A	4801682611A	SODIUM	3/4/2014			Yes	N	U		U	719	13.4	mg/kg
4801682611A	4801682611A	IRON	3/4/2014	1.29		Yes	Y	J		J	51.4	1.1	mg/kg
4801682611A	4801682611A	VANADIUM	3/4/2014			Yes	N	U		U	2.6	0.11	mg/kg
4801682611A	4801682611A	BARIUM	3/4/2014			Yes	N	U		U	2.6	0.11	mg/kg
4801682611A	4801682611A	THALLIUM	3/4/2014			Yes	N	U		U	30.8	0.31	mg/kg
4801682611A	4801682611A	COPPER	3/4/2014			Yes	N	U		U	5.1	0.22	mg/kg
4801682611A	4801682611A	COBALT	3/4/2014			Yes	N	U		U	2.6	0.051	mg/kg
4801682611A	4801682611A	CHROMIUM, TOTAL	3/4/2014			Yes	N	U		U	2.6	0.21	mg/kg
4801682611A	4801682611A	CALCIUM	3/4/2014			Yes	N	U		U	257	3.4	mg/kg
4801682611A	4801682611A	BERYLLIUM	3/4/2014			Yes	N	U		U	1.0	0.029	mg/kg
4801682611A	4801682611A	ARSENIC	3/4/2014			Yes	N	U		U	10.3	0.41	mg/kg
4801682611A	4801682611A	ANTIMONY	3/4/2014			Yes	N	U		U	77.1	0.41	mg/kg
4801682611A	4801682611A	ALUMINUM	3/4/2014			Yes	N	U		U	51.4	4.5	mg/kg
4801682611A	4801682611A	ZINC	3/4/2014	0.406		Yes	Y	J		J	10.3	0.16	mg/kg
4801682611A	4801682611A	NICKEL	3/4/2014			Yes	N	U		U	25.7	0.24	mg/kg
4801682611A	4801682611A	CADMIUM	3/4/2014			Yes	N	U		U	1.0	0.031	mg/kg
4801682611A	4801682611A	MAGNESIUM	3/4/2014			Yes	N	U		U	103	0.95	mg/kg
4801682621A	4801682621A	ARSENIC	3/4/2014			Yes	N	U		U	9.4	0.37	mg/kg
4801682621A	4801682621A	SELENIUM	3/4/2014			Yes	N	U		U	18.7	0.37	mg/kg
4801682621A	4801682621A	POTASSIUM	3/4/2014			Yes	N	U		U	141	18.7	mg/kg
4801682621A	4801682621A	MANGANESE	3/4/2014	0.233		Yes	Y	J		J	0.94	0.030	mg/kg
4801682621A	4801682621A	MAGNESIUM	3/4/2014			Yes	N	U		U	93.7	0.87	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801682621A	4801682621A	LEAD	3/4/2014			Yes	N	U		U	4.7	0.22	mg/kg
4801682621A	4801682621A	COBALT	3/4/2014			Yes	N	U		U	2.3	0.047	mg/kg
4801682621A	4801682621A	CADMIUM	3/4/2014			Yes	N	U		U	0.94	0.028	mg/kg
4801682621A	4801682621A	SILVER	3/4/2014			Yes	N	U		U	2.3	0.19	mg/kg
4801682621A	4801682621A	BARIUM	3/4/2014			Yes	N	U		U	2.3	0.10	mg/kg
4801682621A	4801682621A	COPPER	3/4/2014			Yes	N	U		U	4.7	0.20	mg/kg
4801682621A	4801682621A	ANTIMONY	3/4/2014			Yes	N	U		U	70.3	0.37	mg/kg
4801682621A	4801682621A	ALUMINUM	3/4/2014			Yes	N	U		U	46.9	4.1	mg/kg
4801682621A	4801682621A	SODIUM	3/4/2014			Yes	N	U		U	656	12.2	mg/kg
4801682621A	4801682621A	ZINC	3/4/2014	0.297		Yes	Y	J		J	9.4	0.14	mg/kg
4801682621A	4801682621A	VANADIUM	3/4/2014			Yes	N	U		U	2.3	0.10	mg/kg
4801682621A	4801682621A	THALLIUM	3/4/2014			Yes	N	U		U	28.1	0.28	mg/kg
4801682621A	4801682621A	BERYLLIUM	3/4/2014			Yes	N	U		U	0.94	0.026	mg/kg
4801682621A	4801682621A	CALCIUM	3/4/2014			Yes	N	U		U	234	3.1	mg/kg
4801689861A	4801689861A	CHROMIUM, TOTAL	3/10/2014	0.407		Yes	Y	J		J	2.5	0.20	mg/kg
4801689861A	4801689861A	IRON	3/10/2014	3.58		Yes	Y	J		J	50.3	1.1	mg/kg
4801689861A	4801689861A	NICKEL	3/10/2014			Yes	N	U		U	25.2	0.23	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	ALUMINUM	3/4/2014	4530		Yes	Y		J	J	55.2	4.9	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	SILVER	3/4/2014	0.7		Yes	Y	J		J	2.8	0.22	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	POTASSIUM	3/4/2014	431		Yes	Y		J	J	166	22.1	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	NICKEL	3/4/2014	7.2		Yes	Y	J		J	27.6	0.25	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	MANGANESE	3/4/2014	162		Yes	Y	B	J	J	1.1	0.035	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	MAGNESIUM	3/4/2014	5550		Yes	Y		J	J	110	1.0	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	IRON	3/4/2014	7600		Yes	Y	B			55.2	1.2	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	COPPER	3/4/2014	46.8		Yes	Y		J	J	5.5	0.23	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-001-0-2-20140225	480-55280-21	CALCIUM	3/4/2014	10400	Yes	Y				276	3.6	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	CHROMIUM, TOTAL	3/4/2014	12.8	Yes	Y				2.8	0.22	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	ANTIMONY	3/4/2014	1.4	Yes	Y	J		J	82.8	0.44	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	SODIUM	3/4/2014	78.8	Yes	Y	J		J	773	14.4	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	ZINC	3/4/2014	104	Yes	Y	B			11.0	0.17	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	COBALT	3/4/2014	4.6	Yes	Y				2.8	0.055	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	VANADIUM	3/4/2014	15.3	Yes	Y				2.8	0.12	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	BARIUM	3/4/2014	54.9	Yes	Y		J	J	2.8	0.12	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	CADMIUM	3/4/2014	0.74	Yes	Y	J		J	1.1	0.033	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	BERYLLIUM	3/4/2014	0.2	Yes	Y	J		J	1.1	0.031	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	ARSENIC	3/5/2014	9.7	Yes	Y	J		J	11.0	0.44	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	LEAD	3/5/2014	180	Yes	Y				5.5	0.27	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	SELENIUM	3/5/2014	1.1	Yes	Y	J		J	22.1	0.44	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	THALLIUM	3/5/2014		Yes	N	U		U	33.1	0.33	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	MAGNESIUM	3/4/2014	1630	Yes	Y				116	1.1	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	LEAD	3/4/2014	6.1	Yes	Y		J	J	5.8	0.28	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	POTASSIUM	3/4/2014	651	Yes	Y				174	23.2	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	ZINC	3/4/2014	32.8	Yes	Y	B	J	J	11.6	0.18	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	MANGANESE	3/4/2014	48.5	Yes	Y	B			1.2	0.037	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	SELENIUM	3/4/2014		Yes	N	U		U	23.2	0.46	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	SODIUM	3/4/2014	295	Yes	Y	J		J	811	15.1	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	VANADIUM	3/4/2014	12.8	Yes	Y				2.9	0.13	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	CALCIUM	3/4/2014	1020	Yes	Y				290	3.8	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	THALLIUM	3/4/2014		Yes	N	U		U	34.8	0.35	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-001-4-6-20140225	480-55280-22	ALUMINUM	3/4/2014	6920	Yes	Y		J	J	57.9	5.1	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	CADMIUM	3/4/2014	0.052	Yes	Y	J		J	1.2	0.035	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	BERYLLIUM	3/4/2014	0.28	Yes	Y	J		J	1.2	0.032	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	BARIUM	3/4/2014	39	Yes	Y		J	J	2.9	0.13	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	ARSENIC	3/4/2014	1.2	Yes	Y	J		J	11.6	0.46	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	ANTIMONY	3/4/2014		Yes	N	U		U	86.9	0.46	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	COPPER	3/4/2014	14.4	Yes	Y				5.8	0.24	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	COBALT	3/4/2014	4.7	Yes	Y				2.9	0.058	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	CHROMIUM, TOTAL	3/8/2014	17.6	Yes	Y	B			2.9	0.23	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	IRON	3/8/2014	8010	Yes	Y	B			58.5	1.3	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	NICKEL	3/8/2014	10.8	Yes	Y	J		J	29.2	0.27	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	ALUMINUM	3/4/2014	6410	Yes	Y		J	J	53.4	4.7	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	SILVER	3/4/2014	0.63	Yes	Y	J		J	2.7	0.21	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	SODIUM	3/4/2014	62.3	Yes	Y	J		J	747	13.9	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	ANTIMONY	3/4/2014	1.6	Yes	Y	J		J	80.1	0.43	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	VANADIUM	3/4/2014	14.7	Yes	Y				2.7	0.12	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	COBALT	3/4/2014	6.9	Yes	Y				2.7	0.053	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	ZINC	3/4/2014	107	Yes	Y	B	J	J	10.7	0.16	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	THALLIUM	3/4/2014		Yes	N	U		U	32.0	0.32	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	ARSENIC	3/4/2014	10.5	Yes	Y	J		J	10.7	0.43	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	BARIUM	3/4/2014	42.1	Yes	Y		J	J	2.7	0.12	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	BERYLLIUM	3/4/2014	0.33	Yes	Y	J		J	1.1	0.030	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	CALCIUM	3/4/2014	4430	Yes	Y				267	3.5	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	POTASSIUM	3/4/2014	646	Yes	Y				160	21.3	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	MAGNESIUM	3/4/2014	3490	Yes	Y				107	0.99	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-002-0-2-20140225	480-55280-23	LEAD	3/4/2014	88.8	Yes	Y		J	J	5.3	0.26	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	COPPER	3/4/2014	52.5	Yes	Y				5.3	0.22	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	MANGANESE	3/4/2014	190	Yes	Y	B			1.1	0.034	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	CADMIUM	3/4/2014	0.75	Yes	Y	J		J	1.1	0.032	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	SELENIUM	3/4/2014	0.5	Yes	Y	J		J	21.3	0.43	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	NICKEL	3/8/2014	9.2	Yes	Y	J		J	26.9	0.25	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	IRON	3/8/2014	12000	Yes	Y	B			53.8	1.2	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	CHROMIUM, TOTAL	3/8/2014	15.5	Yes	Y	B			2.7	0.22	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	SILVER	3/4/2014		Yes	N	U		U	2.7	0.21	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	LEAD	3/4/2014	8.5	Yes	Y		J	J	5.4	0.26	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	SODIUM	3/4/2014	82	Yes	Y	J		J	751	13.9	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	SELENIUM	3/4/2014		Yes	N	U		U	21.4	0.43	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	POTASSIUM	3/4/2014	892	Yes	Y				161	21.4	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	MANGANESE	3/4/2014	141	Yes	Y	B			1.1	0.034	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	MAGNESIUM	3/4/2014	1700	Yes	Y				107	0.99	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	COPPER	3/4/2014	16.3	Yes	Y				5.4	0.23	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	BARIUM	3/4/2014	29.5	Yes	Y		J	J	2.7	0.12	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	ANTIMONY	3/4/2014		Yes	N	U		U	80.4	0.43	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	ALUMINUM	3/4/2014	7380	Yes	Y		J	J	53.6	4.7	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	ARSENIC	3/4/2014	3.2	Yes	Y	J		J	10.7	0.43	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	BERYLLIUM	3/4/2014	0.39	Yes	Y	J		J	1.1	0.030	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	CADMIUM	3/4/2014	0.049	Yes	Y	J		J	1.1	0.032	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	CALCIUM	3/4/2014	730	Yes	Y				268	3.5	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	COBALT	3/4/2014	9.2	Yes	Y				2.7	0.054	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	THALLIUM	3/4/2014		Yes	N	U		U	32.2	0.32	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-002-4-6-20140225	480-55280-24	VANADIUM	3/4/2014	21.1	Yes	Y				2.7	0.12	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	ZINC	3/4/2014	29.9	Yes	Y	B	J	J	10.7	0.16	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	IRON	3/8/2014	9640	Yes	Y	B			61.1	1.3	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	CHROMIUM, TOTAL	3/8/2014	10	Yes	Y	B			3.1	0.24	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	NICKEL	3/8/2014	7.2	Yes	Y	J		J	30.5	0.28	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	LEAD	3/4/2014	173	Yes	Y		J	J	5.5	0.26	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	CALCIUM	3/4/2014	6210	Yes	Y				274	3.6	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	CADMIUM	3/4/2014	1.1	Yes	Y				1.1	0.033	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	BERYLLIUM	3/4/2014	0.24	Yes	Y	J		J	1.1	0.031	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	BARIUM	3/4/2014	92.9	Yes	Y		J	J	2.7	0.12	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	ARSENIC	3/4/2014	7.9	Yes	Y	J		J	11.0	0.44	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	ANTIMONY	3/4/2014	1.8	Yes	Y	J		J	82.2	0.44	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	ALUMINUM	3/4/2014	5750	Yes	Y		J	J	54.8	4.8	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	COPPER	3/4/2014	135	Yes	Y				5.5	0.23	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	SELENIUM	3/4/2014		Yes	N	U		U	21.9	0.44	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	COBALT	3/4/2014	5	Yes	Y				2.7	0.055	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	POTASSIUM	3/4/2014	608	Yes	Y				164	21.9	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	MANGANESE	3/4/2014	181	Yes	Y	B			1.1	0.035	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	MAGNESIUM	3/4/2014	1510	Yes	Y				110	1.0	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	ZINC	3/4/2014	220	Yes	Y	B	J	J	11.0	0.17	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	VANADIUM	3/4/2014	19	Yes	Y				2.7	0.12	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	THALLIUM	3/4/2014		Yes	N	U		U	32.9	0.33	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	SODIUM	3/4/2014	167	Yes	Y	J		J	767	14.2	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	SILVER	3/4/2014	3.5	Yes	Y				2.7	0.22	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	IRON	3/8/2014	12500	Yes	Y	B			56.9	1.3	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-001-0-2-20140225	480-55280-25	NICKEL	3/8/2014	14.2	Yes	Y	J		J	28.5	0.26	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	CHROMIUM, TOTAL	3/8/2014	14.9	Yes	Y	B			2.8	0.23	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	POTASSIUM	3/4/2014	665	Yes	Y				164	21.9	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	MANGANESE	3/4/2014	242	Yes	Y	B			1.1	0.035	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	SELENIUM	3/4/2014	1.1	Yes	Y	J		J	21.9	0.44	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	ZINC	3/4/2014	246	Yes	Y	B	J	J	10.9	0.17	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	SODIUM	3/4/2014	232	Yes	Y	J		J	766	14.2	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	THALLIUM	3/4/2014		Yes	N	U		U	32.8	0.33	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	VANADIUM	3/4/2014	15.1	Yes	Y				2.7	0.12	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	BARIUM	3/4/2014	90.7	Yes	Y		J	J	2.7	0.12	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	SILVER	3/4/2014	6.4	Yes	Y				2.7	0.22	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	MAGNESIUM	3/4/2014	3770	Yes	Y				109	1.0	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	LEAD	3/4/2014	606	Yes	Y		J	J	5.5	0.26	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	COPPER	3/4/2014	143	Yes	Y				5.5	0.23	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	COBALT	3/4/2014	7.3	Yes	Y				2.7	0.055	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	CALCIUM	3/4/2014	8540	Yes	Y				274	3.6	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	ALUMINUM	3/4/2014	6750	Yes	Y		J	J	54.7	4.8	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	BERYLLIUM	3/4/2014	0.21	Yes	Y	J		J	1.1	0.031	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	ARSENIC	3/4/2014	15.4	Yes	Y				10.9	0.44	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	ANTIMONY	3/4/2014	3.9	Yes	Y	J		J	82.1	0.44	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	CADMIUM	3/4/2014	2.3	Yes	Y				1.1	0.033	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	NICKEL	3/8/2014	48	Yes	Y				27.8	0.26	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	CHROMIUM, TOTAL	3/8/2014	42.5	Yes	Y	B			2.8	0.22	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	IRON	3/8/2014	28000	Yes	Y	B			55.6	1.2	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	BERYLLIUM	3/4/2014	0.25	Yes	Y	J		J	1.2	0.034	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-002-0-2-20140225	480-55280-27	BARIUM	3/4/2014	60.8	Yes	Y		J	J	3.0	0.13	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	ARSENIC	3/4/2014	12.3	Yes	Y				12.0	0.48	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	LEAD	3/4/2014	162	Yes	Y		J	J	6.0	0.29	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	MAGNESIUM	3/4/2014	2870	Yes	Y				120	1.1	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	MANGANESE	3/4/2014	231	Yes	Y	B			1.2	0.039	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	POTASSIUM	3/4/2014	726	Yes	Y				181	24.1	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	SELENIUM	3/4/2014	0.56	Yes	Y	J		J	24.1	0.48	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	SILVER	3/4/2014	1.7	Yes	Y	J		J	3.0	0.24	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	SODIUM	3/4/2014	114	Yes	Y	J		J	843	15.7	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	THALLIUM	3/4/2014		Yes	N	U		U	36.1	0.36	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	COPPER	3/4/2014	69.7	Yes	Y				6.0	0.25	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	COBALT	3/4/2014	8.1	Yes	Y				3.0	0.060	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	CADMIUM	3/4/2014	0.69	Yes	Y	J		J	1.2	0.036	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	CALCIUM	3/4/2014	4880	Yes	Y				301	4.0	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	ALUMINUM	3/4/2014	6060	Yes	Y		J	J	60.2	5.3	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	VANADIUM	3/4/2014	16.7	Yes	Y				3.0	0.13	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	ZINC	3/4/2014	116	Yes	Y	B	J	J	12.0	0.18	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	ANTIMONY	3/4/2014	2.1	Yes	Y	J		J	90.3	0.48	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	IRON	3/8/2014	11300	Yes	Y	B			51.2	1.1	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	NICKEL	3/8/2014	13.6	Yes	Y	J		J	25.6	0.24	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	CHROMIUM, TOTAL	3/8/2014	13.5	Yes	Y	B			2.6	0.20	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	COBALT	3/4/2014	5.3	Yes	Y				2.9	0.059	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	MANGANESE	3/4/2014	222	Yes	Y	B			1.2	0.038	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	BERYLLIUM	3/4/2014	0.22	Yes	Y	J		J	1.2	0.033	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	BARIUM	3/4/2014	163	Yes	Y		J	J	2.9	0.13	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-002-2-4-20140225	480-55280-28	ARSENIC	3/4/2014	9.2	Yes	Y	J		J	11.8	0.47	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	ANTIMONY	3/4/2014	2	Yes	Y	J		J	88.1	0.47	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	ALUMINUM	3/4/2014	6410	Yes	Y		J	J	58.8	5.2	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	CALCIUM	3/4/2014	25800	Yes	Y				294	3.9	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	CADMIUM	3/4/2014	0.96	Yes	Y	J		J	1.2	0.035	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	POTASSIUM	3/4/2014	614	Yes	Y				176	23.5	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	ZINC	3/4/2014	175	Yes	Y	B	J	J	11.8	0.18	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	THALLIUM	3/4/2014		Yes	N	U		U	35.3	0.35	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	SODIUM	3/4/2014	192	Yes	Y	J		J	823	15.3	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	SILVER	3/4/2014	2.5	Yes	Y	J		J	2.9	0.24	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	SELENIUM	3/4/2014		Yes	N	U		U	23.5	0.47	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	COPPER	3/4/2014	99.3	Yes	Y				5.9	0.25	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	VANADIUM	3/4/2014	18.3	Yes	Y				2.9	0.13	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	LEAD	3/4/2014	195	Yes	Y		J	J	5.9	0.28	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	MAGNESIUM	3/4/2014	13400	Yes	Y				118	1.1	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	NICKEL	3/8/2014	15	Yes	Y	J		J	27.6	0.25	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	IRON	3/8/2014	18300	Yes	Y	B			55.3	1.2	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	CHROMIUM, TOTAL	3/8/2014	15.1	Yes	Y	B			2.8	0.22	mg/kg
DUP031-20140225	480-55280-10	BERYLLIUM	3/4/2014	0.49	Yes	Y	J		J	1.1	0.030	mg/kg
DUP031-20140225	480-55280-10	BARIUM	3/4/2014	76	Yes	Y		J	J	2.7	0.12	mg/kg
DUP031-20140225	480-55280-10	ALUMINUM	3/4/2014	7900	Yes	Y		J	J	53.9	4.7	mg/kg
DUP031-20140225	480-55280-10	ANTIMONY	3/4/2014		Yes	N	U		U	80.9	0.43	mg/kg
DUP031-20140225	480-55280-10	CADMIUM	3/4/2014	0.063	Yes	Y	J		J	1.1	0.032	mg/kg
DUP031-20140225	480-55280-10	CHROMIUM, TOTAL	3/4/2014	17.2	Yes	Y				2.7	0.22	mg/kg
DUP031-20140225	480-55280-10	IRON	3/4/2014	10300	Yes	Y	B			53.9	1.2	mg/kg

SDG: 480552801

Analytical Method	SW6010C											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
DUP031-20140225	480-55280-10	COBALT	3/4/2014	7.2		Yes	Y				2.7	0.054	mg/kg
DUP031-20140225	480-55280-10	CALCIUM	3/4/2014	1330		Yes	Y				270	3.6	mg/kg
DUP031-20140225	480-55280-10	COPPER	3/4/2014	7		Yes	Y		J	J	5.4	0.23	mg/kg
DUP031-20140225	480-55280-10	NICKEL	3/4/2014	12.2		Yes	Y	J		J	27.0	0.25	mg/kg
DUP031-20140225	480-55280-10	POTASSIUM	3/4/2014	385		Yes	Y		J	J	162	21.6	mg/kg
DUP031-20140225	480-55280-10	SILVER	3/4/2014			Yes	N	U		U	2.7	0.22	mg/kg
DUP031-20140225	480-55280-10	SODIUM	3/4/2014	73.5		Yes	Y	J		J	755	14.0	mg/kg
DUP031-20140225	480-55280-10	VANADIUM	3/4/2014	19.2		Yes	Y				2.7	0.12	mg/kg
DUP031-20140225	480-55280-10	ZINC	3/4/2014	22.8		Yes	Y	B			10.8	0.17	mg/kg
DUP031-20140225	480-55280-10	MANGANESE	3/4/2014	480		Yes	Y	B	J	J	1.1	0.035	mg/kg
DUP031-20140225	480-55280-10	MAGNESIUM	3/4/2014	1790		Yes	Y		J	J	108	1.0	mg/kg
DUP031-20140225	480-55280-10	LEAD	3/5/2014	18		Yes	Y				5.4	0.26	mg/kg
DUP031-20140225	480-55280-10	SELENIUM	3/5/2014	1		Yes	Y	J		J	21.6	0.43	mg/kg
DUP031-20140225	480-55280-10	ARSENIC	3/5/2014	3.2		Yes	Y	J		J	10.8	0.43	mg/kg
DUP031-20140225	480-55280-10	THALLIUM	3/5/2014			Yes	N	U		U	32.4	0.32	mg/kg
FB030-20140225	480-55280-20	ALUMINUM	2/28/2014			Yes	N	U		U	0.20	0.060	mg/l
FB030-20140225	480-55280-20	LEAD	2/28/2014			Yes	N	U		U	0.0050	0.0030	mg/l
FB030-20140225	480-55280-20	IRON	2/28/2014			Yes	N	U		U	0.050	0.019	mg/l
FB030-20140225	480-55280-20	COPPER	2/28/2014			Yes	N	U		U	0.010	0.0016	mg/l
FB030-20140225	480-55280-20	COBALT	2/28/2014			Yes	N	U		U	0.0040	0.00063	mg/l
FB030-20140225	480-55280-20	CHROMIUM, TOTAL	2/28/2014			Yes	N	U		U	0.0040	0.0010	mg/l
FB030-20140225	480-55280-20	CADMIUM	2/28/2014			Yes	N	U		U	0.0010	0.00050	mg/l
FB030-20140225	480-55280-20	BERYLLIUM	2/28/2014			Yes	N	U		U	0.0020	0.00030	mg/l
FB030-20140225	480-55280-20	BARIUM	2/28/2014			Yes	N	U		U	0.0020	0.00070	mg/l
FB030-20140225	480-55280-20	MAGNESIUM	2/28/2014			Yes	N	U		U	0.20	0.043	mg/l

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB030-20140225	480-55280-20	ANTIMONY	2/28/2014			Yes	N	U		U	0.020	0.0068	mg/l
FB030-20140225	480-55280-20	CALCIUM	2/28/2014			Yes	N	U		U	0.50	0.10	mg/l
FB030-20140225	480-55280-20	ARSENIC	2/28/2014			Yes	N	U		U	0.010	0.0056	mg/l
FB030-20140225	480-55280-20	SILVER	2/28/2014			Yes	N	U		U	0.0030	0.0017	mg/l
FB030-20140225	480-55280-20	MANGANESE	2/28/2014	0.00059		Yes	Y	BJ	U	U	0.0030	0.00040	mg/l
FB030-20140225	480-55280-20	NICKEL	2/28/2014			Yes	N	U		U	0.010	0.0013	mg/l
FB030-20140225	480-55280-20	SELENIUM	2/28/2014			Yes	N	U		U	0.015	0.0087	mg/l
FB030-20140225	480-55280-20	ZINC	2/28/2014	0.002		Yes	Y	BJ	U	U	0.010	0.0015	mg/l
FB030-20140225	480-55280-20	VANADIUM	2/28/2014			Yes	N	U		U	0.0050	0.0015	mg/l
FB030-20140225	480-55280-20	THALLIUM	2/28/2014			Yes	N	U		U	0.020	0.010	mg/l
FB030-20140225	480-55280-20	SODIUM	2/28/2014			Yes	N	U		U	1.0	0.32	mg/l
FB030-20140225	480-55280-20	POTASSIUM	2/28/2014			Yes	N	U		U	0.50	0.10	mg/l
LT-C-061-0-2-20140225	480-55280-1	SODIUM	3/4/2014	74.9		Yes	Y	J		J	746	13.9	mg/kg
LT-C-061-0-2-20140225	480-55280-1	COBALT	3/4/2014	7.8		Yes	Y				2.7	0.053	mg/kg
LT-C-061-0-2-20140225	480-55280-1	ARSENIC	3/4/2014	13.3		Yes	Y				10.7	0.43	mg/kg
LT-C-061-0-2-20140225	480-55280-1	SELENIUM	3/4/2014			Yes	N	U		U	21.3	0.43	mg/kg
LT-C-061-0-2-20140225	480-55280-1	CHROMIUM, TOTAL	3/4/2014	13.2		Yes	Y				2.7	0.21	mg/kg
LT-C-061-0-2-20140225	480-55280-1	CALCIUM	3/4/2014	1080		Yes	Y				266	3.5	mg/kg
LT-C-061-0-2-20140225	480-55280-1	CADMIUM	3/4/2014	0.44		Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-061-0-2-20140225	480-55280-1	BERYLLIUM	3/4/2014	0.29		Yes	Y	J		J	1.1	0.030	mg/kg
LT-C-061-0-2-20140225	480-55280-1	POTASSIUM	3/4/2014	654		Yes	Y		J	J	160	21.3	mg/kg
LT-C-061-0-2-20140225	480-55280-1	NICKEL	3/4/2014	20.4		Yes	Y	J		J	26.6	0.25	mg/kg
LT-C-061-0-2-20140225	480-55280-1	MANGANESE	3/4/2014	212		Yes	Y	B	J	J	1.1	0.034	mg/kg
LT-C-061-0-2-20140225	480-55280-1	IRON	3/4/2014	11200		Yes	Y	B			53.3	1.2	mg/kg
LT-C-061-0-2-20140225	480-55280-1	MAGNESIUM	3/4/2014	1390		Yes	Y		J	J	107	0.99	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-0-2-20140225	480-55280-1	COPPER	3/4/2014	44.8	Yes	Y		J	J	5.3	0.22	mg/kg
LT-C-061-0-2-20140225	480-55280-1	ANTIMONY	3/4/2014	0.77	Yes	Y	J		J	79.9	0.43	mg/kg
LT-C-061-0-2-20140225	480-55280-1	ALUMINUM	3/4/2014	5880	Yes	Y		J	J	53.3	4.7	mg/kg
LT-C-061-0-2-20140225	480-55280-1	BARIUM	3/4/2014	58.8	Yes	Y		J	J	2.7	0.12	mg/kg
LT-C-061-0-2-20140225	480-55280-1	LEAD	3/4/2014	16	Yes	Y				5.3	0.26	mg/kg
LT-C-061-0-2-20140225	480-55280-1	VANADIUM	3/4/2014	14.7	Yes	Y				2.7	0.12	mg/kg
LT-C-061-0-2-20140225	480-55280-1	THALLIUM	3/4/2014		Yes	N	U		U	32.0	0.32	mg/kg
LT-C-061-0-2-20140225	480-55280-1	SILVER	3/4/2014		Yes	N	U		U	2.7	0.21	mg/kg
LT-C-061-0-2-20140225	480-55280-1	ZINC	3/4/2014	46.8	Yes	Y	B			10.7	0.16	mg/kg
LT-C-061-10-12-20140225	480-55280-3	IRON	3/4/2014	10200	Yes	Y	B			55.0	1.2	mg/kg
LT-C-061-10-12-20140225	480-55280-3	ARSENIC	3/4/2014	6.3	Yes	Y	J		J	11.0	0.44	mg/kg
LT-C-061-10-12-20140225	480-55280-3	BARIUM	3/4/2014	38.4	Yes	Y		J	J	2.7	0.12	mg/kg
LT-C-061-10-12-20140225	480-55280-3	LEAD	3/4/2014	7.8	Yes	Y				5.5	0.26	mg/kg
LT-C-061-10-12-20140225	480-55280-3	COPPER	3/4/2014	59.1	Yes	Y		J	J	5.5	0.23	mg/kg
LT-C-061-10-12-20140225	480-55280-3	ZINC	3/4/2014	38.5	Yes	Y	B			11.0	0.17	mg/kg
LT-C-061-10-12-20140225	480-55280-3	COBALT	3/4/2014	4.6	Yes	Y				2.7	0.055	mg/kg
LT-C-061-10-12-20140225	480-55280-3	CHROMIUM, TOTAL	3/4/2014	12.9	Yes	Y				2.7	0.22	mg/kg
LT-C-061-10-12-20140225	480-55280-3	CALCIUM	3/4/2014	763	Yes	Y				275	3.6	mg/kg
LT-C-061-10-12-20140225	480-55280-3	CADMIUM	3/4/2014	0.22	Yes	Y	J		J	1.1	0.033	mg/kg
LT-C-061-10-12-20140225	480-55280-3	MAGNESIUM	3/4/2014	1330	Yes	Y		J	J	110	1.0	mg/kg
LT-C-061-10-12-20140225	480-55280-3	ALUMINUM	3/4/2014	4980	Yes	Y		J	J	55.0	4.8	mg/kg
LT-C-061-10-12-20140225	480-55280-3	NICKEL	3/4/2014	8.6	Yes	Y	J		J	27.5	0.25	mg/kg
LT-C-061-10-12-20140225	480-55280-3	POTASSIUM	3/4/2014	676	Yes	Y		J	J	165	22.0	mg/kg
LT-C-061-10-12-20140225	480-55280-3	SELENIUM	3/4/2014		Yes	N	U		U	22.0	0.44	mg/kg
LT-C-061-10-12-20140225	480-55280-3	SILVER	3/4/2014		Yes	N	U		U	2.7	0.22	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-10-12-20140225	480-55280-3	SODIUM	3/4/2014	54.1	Yes	Y	J		J	770	14.3	mg/kg
LT-C-061-10-12-20140225	480-55280-3	THALLIUM	3/4/2014		Yes	N	U		U	33.0	0.33	mg/kg
LT-C-061-10-12-20140225	480-55280-3	MANGANESE	3/4/2014	103	Yes	Y	B	J	J	1.1	0.035	mg/kg
LT-C-061-10-12-20140225	480-55280-3	VANADIUM	3/4/2014	15.3	Yes	Y				2.7	0.12	mg/kg
LT-C-061-10-12-20140225	480-55280-3	BERYLLIUM	3/4/2014	0.16	Yes	Y	J		J	1.1	0.031	mg/kg
LT-C-061-10-12-20140225	480-55280-3	ANTIMONY	3/4/2014		Yes	N	U		U	82.5	0.44	mg/kg
LT-C-061-4-6-20140225	480-55280-2	THALLIUM	3/4/2014		Yes	N	U		U	32.3	0.32	mg/kg
LT-C-061-4-6-20140225	480-55280-2	IRON	3/4/2014	7090	Yes	Y	B			53.8	1.2	mg/kg
LT-C-061-4-6-20140225	480-55280-2	MAGNESIUM	3/4/2014	1860	Yes	Y		J	J	108	1.0	mg/kg
LT-C-061-4-6-20140225	480-55280-2	LEAD	3/4/2014	4.8	Yes	Y	J		J	5.4	0.26	mg/kg
LT-C-061-4-6-20140225	480-55280-2	NICKEL	3/4/2014	9.6	Yes	Y	J		J	26.9	0.25	mg/kg
LT-C-061-4-6-20140225	480-55280-2	COPPER	3/4/2014	218	Yes	Y		J	J	5.4	0.23	mg/kg
LT-C-061-4-6-20140225	480-55280-2	ZINC	3/4/2014	48.7	Yes	Y	B			10.8	0.16	mg/kg
LT-C-061-4-6-20140225	480-55280-2	VANADIUM	3/4/2014	14.7	Yes	Y				2.7	0.12	mg/kg
LT-C-061-4-6-20140225	480-55280-2	COBALT	3/4/2014	6.5	Yes	Y				2.7	0.054	mg/kg
LT-C-061-4-6-20140225	480-55280-2	SODIUM	3/4/2014	63.6	Yes	Y	J		J	754	14.0	mg/kg
LT-C-061-4-6-20140225	480-55280-2	CHROMIUM, TOTAL	3/4/2014	15	Yes	Y				2.7	0.22	mg/kg
LT-C-061-4-6-20140225	480-55280-2	SILVER	3/4/2014		Yes	N	U		U	2.7	0.22	mg/kg
LT-C-061-4-6-20140225	480-55280-2	POTASSIUM	3/4/2014	786	Yes	Y		J	J	161	21.5	mg/kg
LT-C-061-4-6-20140225	480-55280-2	CALCIUM	3/4/2014	1240	Yes	Y				269	3.6	mg/kg
LT-C-061-4-6-20140225	480-55280-2	CADMIUM	3/4/2014	0.17	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-061-4-6-20140225	480-55280-2	MANGANESE	3/4/2014	77.3	Yes	Y	B	J	J	1.1	0.034	mg/kg
LT-C-061-4-6-20140225	480-55280-2	BERYLLIUM	3/4/2014	0.14	Yes	Y	J		J	1.1	0.030	mg/kg
LT-C-061-4-6-20140225	480-55280-2	BARIUM	3/4/2014	32.3	Yes	Y		J	J	2.7	0.12	mg/kg
LT-C-061-4-6-20140225	480-55280-2	ARSENIC	3/4/2014	2	Yes	Y	J		J	10.8	0.43	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-4-6-20140225	480-55280-2	ANTIMONY	3/4/2014		Yes	N	U		U	80.7	0.43	mg/kg
LT-C-061-4-6-20140225	480-55280-2	ALUMINUM	3/4/2014	5500	Yes	Y		J	J	53.8	4.7	mg/kg
LT-C-061-4-6-20140225	480-55280-2	SELENIUM	3/4/2014		Yes	N	U		U	21.5	0.43	mg/kg
LT-C-062-0-2-20140225	480-55280-11	NICKEL	3/4/2014	3.9	Yes	Y	J		J	28.9	0.27	mg/kg
LT-C-062-0-2-20140225	480-55280-11	SODIUM	3/4/2014	22.2	Yes	Y	J		J	808	15.0	mg/kg
LT-C-062-0-2-20140225	480-55280-11	IRON	3/4/2014	5960	Yes	Y	B			57.7	1.3	mg/kg
LT-C-062-0-2-20140225	480-55280-11	ZINC	3/4/2014	10.5	Yes	Y	BJ	U	U	11.5	0.18	mg/kg
LT-C-062-0-2-20140225	480-55280-11	VANADIUM	3/4/2014	7	Yes	Y				2.9	0.13	mg/kg
LT-C-062-0-2-20140225	480-55280-11	ANTIMONY	3/4/2014		Yes	N	U		U	86.6	0.46	mg/kg
LT-C-062-0-2-20140225	480-55280-11	COPPER	3/4/2014	4.8	Yes	Y	J	J	J	5.8	0.24	mg/kg
LT-C-062-0-2-20140225	480-55280-11	COBALT	3/4/2014	2.4	Yes	Y	J		J	2.9	0.058	mg/kg
LT-C-062-0-2-20140225	480-55280-11	CHROMIUM, TOTAL	3/4/2014	5.4	Yes	Y				2.9	0.23	mg/kg
LT-C-062-0-2-20140225	480-55280-11	CALCIUM	3/4/2014	208	Yes	Y	J		J	289	3.8	mg/kg
LT-C-062-0-2-20140225	480-55280-11	CADMIUM	3/4/2014	0.053	Yes	Y	J		J	1.2	0.035	mg/kg
LT-C-062-0-2-20140225	480-55280-11	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-C-062-0-2-20140225	480-55280-11	BARIUM	3/4/2014	14.8	Yes	Y		J	J	2.9	0.13	mg/kg
LT-C-062-0-2-20140225	480-55280-11	ALUMINUM	3/4/2014	3170	Yes	Y		J	J	57.7	5.1	mg/kg
LT-C-062-0-2-20140225	480-55280-11	MAGNESIUM	3/4/2014	750	Yes	Y		J	J	115	1.1	mg/kg
LT-C-062-0-2-20140225	480-55280-11	MANGANESE	3/4/2014	176	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-C-062-0-2-20140225	480-55280-11	POTASSIUM	3/4/2014	462	Yes	Y		J	J	173	23.1	mg/kg
LT-C-062-0-2-20140225	480-55280-11	BERYLLIUM	3/4/2014	0.17	Yes	Y	J		J	1.2	0.032	mg/kg
LT-C-062-0-2-20140225	480-55280-11	ARSENIC	3/5/2014	1.8	Yes	Y	J		J	11.5	0.46	mg/kg
LT-C-062-0-2-20140225	480-55280-11	LEAD	3/5/2014	2.4	Yes	Y	J		J	5.8	0.28	mg/kg
LT-C-062-0-2-20140225	480-55280-11	THALLIUM	3/5/2014		Yes	N	U		U	34.6	0.35	mg/kg
LT-C-062-0-2-20140225	480-55280-11	SELENIUM	3/5/2014		Yes	N	U		U	23.1	0.46	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-2-4-20140225	480-55280-12	BERYLLIUM	3/4/2014	0.16		Yes	Y	J		J	1.1	0.030	mg/kg
LT-C-062-2-4-20140225	480-55280-12	SILVER	3/4/2014			Yes	N	U		U	2.7	0.21	mg/kg
LT-C-062-2-4-20140225	480-55280-12	ALUMINUM	3/4/2014	2320		Yes	Y		J	J	53.5	4.7	mg/kg
LT-C-062-2-4-20140225	480-55280-12	ANTIMONY	3/4/2014			Yes	N	U		U	80.3	0.43	mg/kg
LT-C-062-2-4-20140225	480-55280-12	BARIUM	3/4/2014	14.3		Yes	Y		J	J	2.7	0.12	mg/kg
LT-C-062-2-4-20140225	480-55280-12	ZINC	3/4/2014	7.8		Yes	Y	BJ	U	U	10.7	0.16	mg/kg
LT-C-062-2-4-20140225	480-55280-12	CALCIUM	3/4/2014	142		Yes	Y	J		J	268	3.5	mg/kg
LT-C-062-2-4-20140225	480-55280-12	CHROMIUM, TOTAL	3/4/2014	5		Yes	Y				2.7	0.21	mg/kg
LT-C-062-2-4-20140225	480-55280-12	COBALT	3/4/2014	1.7		Yes	Y	J		J	2.7	0.054	mg/kg
LT-C-062-2-4-20140225	480-55280-12	COPPER	3/4/2014	3.4		Yes	Y	J	J	J	5.4	0.22	mg/kg
LT-C-062-2-4-20140225	480-55280-12	IRON	3/4/2014	5340		Yes	Y	B			53.5	1.2	mg/kg
LT-C-062-2-4-20140225	480-55280-12	MAGNESIUM	3/4/2014	659		Yes	Y		J	J	107	0.99	mg/kg
LT-C-062-2-4-20140225	480-55280-12	MANGANESE	3/4/2014	150		Yes	Y	B	J	J	1.1	0.034	mg/kg
LT-C-062-2-4-20140225	480-55280-12	POTASSIUM	3/4/2014	427		Yes	Y		J	J	161	21.4	mg/kg
LT-C-062-2-4-20140225	480-55280-12	SODIUM	3/4/2014	17.7		Yes	Y	J		J	749	13.9	mg/kg
LT-C-062-2-4-20140225	480-55280-12	VANADIUM	3/4/2014	5.8		Yes	Y				2.7	0.12	mg/kg
LT-C-062-2-4-20140225	480-55280-12	CADMIUM	3/4/2014	0.04		Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-062-2-4-20140225	480-55280-12	NICKEL	3/4/2014	2.8		Yes	Y	J		J	26.8	0.25	mg/kg
LT-C-062-2-4-20140225	480-55280-12	THALLIUM	3/5/2014			Yes	N	U		U	32.1	0.32	mg/kg
LT-C-062-2-4-20140225	480-55280-12	SELENIUM	3/5/2014			Yes	N	U		U	21.4	0.43	mg/kg
LT-C-062-2-4-20140225	480-55280-12	ARSENIC	3/5/2014	1.3		Yes	Y	J		J	10.7	0.43	mg/kg
LT-C-062-2-4-20140225	480-55280-12	LEAD	3/5/2014	1.6		Yes	Y	J		J	5.4	0.26	mg/kg
LT-C-062-6-8-20140225	480-55280-13	ALUMINUM	3/4/2014	1490		Yes	Y		J	J	52.0	4.6	mg/kg
LT-C-062-6-8-20140225	480-55280-13	ANTIMONY	3/4/2014			Yes	N	U		U	78.0	0.42	mg/kg
LT-C-062-6-8-20140225	480-55280-13	BARIUM	3/4/2014	9.7		Yes	Y		J	J	2.6	0.11	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-6-8-20140225	480-55280-13	NICKEL	3/4/2014	3.2	Yes	Y	J		J	26.0	0.24	mg/kg
LT-C-062-6-8-20140225	480-55280-13	BERYLLIUM	3/4/2014	0.15	Yes	Y	J		J	1.0	0.029	mg/kg
LT-C-062-6-8-20140225	480-55280-13	CHROMIUM, TOTAL	3/4/2014	5	Yes	Y				2.6	0.21	mg/kg
LT-C-062-6-8-20140225	480-55280-13	CADMIUM	3/4/2014	0.04	Yes	Y	J		J	1.0	0.031	mg/kg
LT-C-062-6-8-20140225	480-55280-13	CALCIUM	3/4/2014	81.3	Yes	Y	J		J	260	3.4	mg/kg
LT-C-062-6-8-20140225	480-55280-13	VANADIUM	3/4/2014	4.9	Yes	Y				2.6	0.11	mg/kg
LT-C-062-6-8-20140225	480-55280-13	COBALT	3/4/2014	1.9	Yes	Y	J		J	2.6	0.052	mg/kg
LT-C-062-6-8-20140225	480-55280-13	MAGNESIUM	3/4/2014	329	Yes	Y		J	J	104	0.96	mg/kg
LT-C-062-6-8-20140225	480-55280-13	ZINC	3/4/2014	6.5	Yes	Y	BJ	U	U	10.4	0.16	mg/kg
LT-C-062-6-8-20140225	480-55280-13	SODIUM	3/4/2014	14.8	Yes	Y	J		J	728	13.5	mg/kg
LT-C-062-6-8-20140225	480-55280-13	POTASSIUM	3/4/2014	231	Yes	Y		J	J	156	20.8	mg/kg
LT-C-062-6-8-20140225	480-55280-13	COPPER	3/4/2014	3.2	Yes	Y	J	J	J	5.2	0.22	mg/kg
LT-C-062-6-8-20140225	480-55280-13	IRON	3/4/2014	4650	Yes	Y	B			52.0	1.1	mg/kg
LT-C-062-6-8-20140225	480-55280-13	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg
LT-C-062-6-8-20140225	480-55280-13	MANGANESE	3/4/2014	180	Yes	Y	B	J	J	1.0	0.033	mg/kg
LT-C-062-6-8-20140225	480-55280-13	LEAD	3/5/2014	1.3	Yes	Y	J		J	5.2	0.25	mg/kg
LT-C-062-6-8-20140225	480-55280-13	ARSENIC	3/5/2014	1.3	Yes	Y	J		J	10.4	0.42	mg/kg
LT-C-062-6-8-20140225	480-55280-13	SELENIUM	3/5/2014		Yes	N	U		U	20.8	0.42	mg/kg
LT-C-062-6-8-20140225	480-55280-13	THALLIUM	3/5/2014		Yes	N	U		U	31.2	0.31	mg/kg
LT-C-063-0-2-20140225	480-55280-14	CADMIUM	3/4/2014	0.05	Yes	Y	J		J	1.1	0.033	mg/kg
LT-C-063-0-2-20140225	480-55280-14	ALUMINUM	3/4/2014	4360	Yes	Y		J	J	54.7	4.8	mg/kg
LT-C-063-0-2-20140225	480-55280-14	ANTIMONY	3/4/2014		Yes	N	U		U	82.1	0.44	mg/kg
LT-C-063-0-2-20140225	480-55280-14	BERYLLIUM	3/4/2014	0.25	Yes	Y	J		J	1.1	0.031	mg/kg
LT-C-063-0-2-20140225	480-55280-14	SODIUM	3/4/2014	17.7	Yes	Y	J		J	766	14.2	mg/kg
LT-C-063-0-2-20140225	480-55280-14	CALCIUM	3/4/2014	96	Yes	Y	J		J	274	3.6	mg/kg

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-0-2-20140225	480-55280-14	ZINC	3/4/2014	17.8	Yes	Y	B			10.9	0.17	mg/kg
LT-C-063-0-2-20140225	480-55280-14	VANADIUM	3/4/2014	7.9	Yes	Y				2.7	0.12	mg/kg
LT-C-063-0-2-20140225	480-55280-14	MANGANESE	3/4/2014	102	Yes	Y	B	J	J	1.1	0.035	mg/kg
LT-C-063-0-2-20140225	480-55280-14	BARIUM	3/4/2014	17.7	Yes	Y		J	J	2.7	0.12	mg/kg
LT-C-063-0-2-20140225	480-55280-14	CHROMIUM, TOTAL	3/4/2014	6.4	Yes	Y				2.7	0.22	mg/kg
LT-C-063-0-2-20140225	480-55280-14	NICKEL	3/4/2014	4.7	Yes	Y	J		J	27.4	0.25	mg/kg
LT-C-063-0-2-20140225	480-55280-14	SILVER	3/4/2014		Yes	N	U		U	2.7	0.22	mg/kg
LT-C-063-0-2-20140225	480-55280-14	MAGNESIUM	3/4/2014	597	Yes	Y		J	J	109	1.0	mg/kg
LT-C-063-0-2-20140225	480-55280-14	IRON	3/4/2014	5870	Yes	Y	B			54.7	1.2	mg/kg
LT-C-063-0-2-20140225	480-55280-14	COPPER	3/4/2014	3.1	Yes	Y	J	J	J	5.5	0.23	mg/kg
LT-C-063-0-2-20140225	480-55280-14	COBALT	3/4/2014	2.4	Yes	Y	J		J	2.7	0.055	mg/kg
LT-C-063-0-2-20140225	480-55280-14	POTASSIUM	3/4/2014	245	Yes	Y		J	J	164	21.9	mg/kg
LT-C-063-0-2-20140225	480-55280-14	LEAD	3/5/2014	4.5	Yes	Y	J		J	5.5	0.26	mg/kg
LT-C-063-0-2-20140225	480-55280-14	ARSENIC	3/5/2014	1.9	Yes	Y	J		J	10.9	0.44	mg/kg
LT-C-063-0-2-20140225	480-55280-14	THALLIUM	3/5/2014		Yes	N	U		U	32.8	0.33	mg/kg
LT-C-063-0-2-20140225	480-55280-14	SELENIUM	3/5/2014		Yes	N	U		U	21.9	0.44	mg/kg
LT-C-063-2-4-20140225	480-55280-15	MANGANESE	3/4/2014	117	Yes	Y	B	J	J	1.0	0.032	mg/kg
LT-C-063-2-4-20140225	480-55280-15	MAGNESIUM	3/4/2014	446	Yes	Y		J	J	102	0.94	mg/kg
LT-C-063-2-4-20140225	480-55280-15	NICKEL	3/4/2014	3.4	Yes	Y	J		J	25.4	0.23	mg/kg
LT-C-063-2-4-20140225	480-55280-15	IRON	3/4/2014	5210	Yes	Y	B			50.8	1.1	mg/kg
LT-C-063-2-4-20140225	480-55280-15	COPPER	3/4/2014	2.3	Yes	Y	J	J	J	5.1	0.21	mg/kg
LT-C-063-2-4-20140225	480-55280-15	COBALT	3/4/2014	2	Yes	Y	J		J	2.5	0.051	mg/kg
LT-C-063-2-4-20140225	480-55280-15	CALCIUM	3/4/2014	57.9	Yes	Y	J		J	254	3.4	mg/kg
LT-C-063-2-4-20140225	480-55280-15	BERYLLIUM	3/4/2014	0.16	Yes	Y	J		J	1.0	0.028	mg/kg
LT-C-063-2-4-20140225	480-55280-15	BARIUM	3/4/2014	24.5	Yes	Y		J	J	2.5	0.11	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-2-4-20140225	480-55280-15	ALUMINUM	3/4/2014	3320	Yes	Y		J	J	50.8	4.5	mg/kg
LT-C-063-2-4-20140225	480-55280-15	POTASSIUM	3/4/2014	216	Yes	Y		J	J	152	20.3	mg/kg
LT-C-063-2-4-20140225	480-55280-15	CHROMIUM, TOTAL	3/4/2014	5.6	Yes	Y				2.5	0.20	mg/kg
LT-C-063-2-4-20140225	480-55280-15	ANTIMONY	3/4/2014		Yes	N	U		U	76.1	0.41	mg/kg
LT-C-063-2-4-20140225	480-55280-15	VANADIUM	3/4/2014	6.8	Yes	Y				2.5	0.11	mg/kg
LT-C-063-2-4-20140225	480-55280-15	SODIUM	3/4/2014		Yes	N	U		U	711	13.2	mg/kg
LT-C-063-2-4-20140225	480-55280-15	CADMIUM	3/4/2014	0.038	Yes	Y	J		J	1.0	0.030	mg/kg
LT-C-063-2-4-20140225	480-55280-15	ZINC	3/4/2014	10.3	Yes	Y	B			10.2	0.16	mg/kg
LT-C-063-2-4-20140225	480-55280-15	SILVER	3/4/2014		Yes	N	U		U	2.5	0.20	mg/kg
LT-C-063-2-4-20140225	480-55280-15	ARSENIC	3/5/2014	1.4	Yes	Y	J		J	10.2	0.41	mg/kg
LT-C-063-2-4-20140225	480-55280-15	LEAD	3/5/2014	2.1	Yes	Y	J		J	5.1	0.24	mg/kg
LT-C-063-2-4-20140225	480-55280-15	SELENIUM	3/5/2014		Yes	N	U		U	20.3	0.41	mg/kg
LT-C-063-2-4-20140225	480-55280-15	THALLIUM	3/5/2014		Yes	N	U		U	30.5	0.30	mg/kg
LT-C-063-6-8-20140225	480-55280-16	VANADIUM	3/4/2014	40.2	Yes	Y				2.8	0.13	mg/kg
LT-C-063-6-8-20140225	480-55280-16	COBALT	3/4/2014	4.8	Yes	Y				2.8	0.057	mg/kg
LT-C-063-6-8-20140225	480-55280-16	ZINC	3/4/2014	34.1	Yes	Y	B			11.4	0.17	mg/kg
LT-C-063-6-8-20140225	480-55280-16	BERYLLIUM	3/4/2014	0.3	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-063-6-8-20140225	480-55280-16	ALUMINUM	3/4/2014	11200	Yes	Y		J	J	56.8	5.0	mg/kg
LT-C-063-6-8-20140225	480-55280-16	ANTIMONY	3/4/2014		Yes	N	U		U	85.3	0.45	mg/kg
LT-C-063-6-8-20140225	480-55280-16	BARIUM	3/4/2014	93.4	Yes	Y		J	J	2.8	0.13	mg/kg
LT-C-063-6-8-20140225	480-55280-16	MANGANESE	3/4/2014	119	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-C-063-6-8-20140225	480-55280-16	COPPER	3/4/2014	11.1	Yes	Y		J	J	5.7	0.24	mg/kg
LT-C-063-6-8-20140225	480-55280-16	SODIUM	3/4/2014	151	Yes	Y	J		J	796	14.8	mg/kg
LT-C-063-6-8-20140225	480-55280-16	CADMIUM	3/4/2014	0.11	Yes	Y	J		J	1.1	0.034	mg/kg
LT-C-063-6-8-20140225	480-55280-16	IRON	3/4/2014	36300	Yes	Y	B			56.8	1.3	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-6-8-20140225	480-55280-16	MAGNESIUM	3/4/2014	3610	Yes	Y		J	J	114	1.1	mg/kg
LT-C-063-6-8-20140225	480-55280-16	NICKEL	3/4/2014	10	Yes	Y	J		J	28.4	0.26	mg/kg
LT-C-063-6-8-20140225	480-55280-16	POTASSIUM	3/4/2014	1860	Yes	Y		J	J	171	22.7	mg/kg
LT-C-063-6-8-20140225	480-55280-16	CALCIUM	3/4/2014	287	Yes	Y				284	3.8	mg/kg
LT-C-063-6-8-20140225	480-55280-16	CHROMIUM, TOTAL	3/4/2014	32.7	Yes	Y				2.8	0.23	mg/kg
LT-C-063-6-8-20140225	480-55280-16	SILVER	3/4/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-C-063-6-8-20140225	480-55280-16	ARSENIC	3/5/2014	10	Yes	Y	J		J	11.4	0.45	mg/kg
LT-C-063-6-8-20140225	480-55280-16	LEAD	3/5/2014	12.3	Yes	Y				5.7	0.27	mg/kg
LT-C-063-6-8-20140225	480-55280-16	SELENIUM	3/5/2014	1.6	Yes	Y	J		J	22.7	0.45	mg/kg
LT-C-063-6-8-20140225	480-55280-16	THALLIUM	3/5/2014		Yes	N	U		U	34.1	0.34	mg/kg
LT-C-069-0-2-20140225	480-55280-17	SODIUM	3/4/2014	35	Yes	Y	J		J	788	14.6	mg/kg
LT-C-069-0-2-20140225	480-55280-17	CALCIUM	3/4/2014	268	Yes	Y	J		J	282	3.7	mg/kg
LT-C-069-0-2-20140225	480-55280-17	CHROMIUM, TOTAL	3/4/2014	10.3	Yes	Y				2.8	0.23	mg/kg
LT-C-069-0-2-20140225	480-55280-17	COBALT	3/4/2014	2.1	Yes	Y	J		J	2.8	0.056	mg/kg
LT-C-069-0-2-20140225	480-55280-17	COPPER	3/4/2014	2	Yes	Y	J	J	J	5.6	0.24	mg/kg
LT-C-069-0-2-20140225	480-55280-17	IRON	3/4/2014	5810	Yes	Y	B			56.3	1.2	mg/kg
LT-C-069-0-2-20140225	480-55280-17	MANGANESE	3/4/2014	103	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-C-069-0-2-20140225	480-55280-17	CADMIUM	3/4/2014	0.034	Yes	Y	J		J	1.1	0.034	mg/kg
LT-C-069-0-2-20140225	480-55280-17	SILVER	3/4/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-C-069-0-2-20140225	480-55280-17	MAGNESIUM	3/4/2014	980	Yes	Y		J	J	113	1.0	mg/kg
LT-C-069-0-2-20140225	480-55280-17	VANADIUM	3/4/2014	10.6	Yes	Y				2.8	0.12	mg/kg
LT-C-069-0-2-20140225	480-55280-17	ZINC	3/4/2014	15.3	Yes	Y	B			11.3	0.17	mg/kg
LT-C-069-0-2-20140225	480-55280-17	POTASSIUM	3/4/2014	524	Yes	Y		J	J	169	22.5	mg/kg
LT-C-069-0-2-20140225	480-55280-17	BARIUM	3/4/2014	23.2	Yes	Y		J	J	2.8	0.12	mg/kg
LT-C-069-0-2-20140225	480-55280-17	ANTIMONY	3/4/2014		Yes	N	U		U	84.5	0.45	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-0-2-20140225	480-55280-17	ALUMINUM	3/4/2014	4430	Yes	Y		J	J	56.3	5.0	mg/kg
LT-C-069-0-2-20140225	480-55280-17	NICKEL	3/4/2014	4.4	Yes	Y	J		J	28.2	0.26	mg/kg
LT-C-069-0-2-20140225	480-55280-17	BERYLLIUM	3/4/2014	0.12	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-069-0-2-20140225	480-55280-17	ARSENIC	3/5/2014	1.7	Yes	Y	J		J	11.3	0.45	mg/kg
LT-C-069-0-2-20140225	480-55280-17	THALLIUM	3/5/2014		Yes	N	U		U	33.8	0.34	mg/kg
LT-C-069-0-2-20140225	480-55280-17	LEAD	3/5/2014	5.4	Yes	Y	J		J	5.6	0.27	mg/kg
LT-C-069-0-2-20140225	480-55280-17	SELENIUM	3/5/2014	0.53	Yes	Y	J		J	22.5	0.45	mg/kg
LT-C-069-4-6-20140225	480-55280-18	ZINC	3/4/2014	25.9	Yes	Y	B			11.4	0.17	mg/kg
LT-C-069-4-6-20140225	480-55280-18	CHROMIUM, TOTAL	3/4/2014	15.7	Yes	Y				2.8	0.23	mg/kg
LT-C-069-4-6-20140225	480-55280-18	COBALT	3/4/2014	5	Yes	Y				2.8	0.057	mg/kg
LT-C-069-4-6-20140225	480-55280-18	COPPER	3/4/2014	6.7	Yes	Y		J	J	5.7	0.24	mg/kg
LT-C-069-4-6-20140225	480-55280-18	IRON	3/4/2014	6790	Yes	Y	B			56.9	1.3	mg/kg
LT-C-069-4-6-20140225	480-55280-18	MAGNESIUM	3/4/2014	2230	Yes	Y		J	J	114	1.1	mg/kg
LT-C-069-4-6-20140225	480-55280-18	MANGANESE	3/4/2014	66.7	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-C-069-4-6-20140225	480-55280-18	NICKEL	3/4/2014	12.2	Yes	Y	J		J	28.4	0.26	mg/kg
LT-C-069-4-6-20140225	480-55280-18	POTASSIUM	3/4/2014	990	Yes	Y		J	J	171	22.7	mg/kg
LT-C-069-4-6-20140225	480-55280-18	SILVER	3/4/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-C-069-4-6-20140225	480-55280-18	VANADIUM	3/4/2014	19.3	Yes	Y				2.8	0.13	mg/kg
LT-C-069-4-6-20140225	480-55280-18	CALCIUM	3/4/2014	829	Yes	Y				284	3.8	mg/kg
LT-C-069-4-6-20140225	480-55280-18	ALUMINUM	3/4/2014	6600	Yes	Y		J	J	56.9	5.0	mg/kg
LT-C-069-4-6-20140225	480-55280-18	ANTIMONY	3/4/2014		Yes	N	U		U	85.3	0.45	mg/kg
LT-C-069-4-6-20140225	480-55280-18	BARIUM	3/4/2014	40.9	Yes	Y		J	J	2.8	0.13	mg/kg
LT-C-069-4-6-20140225	480-55280-18	BERYLLIUM	3/4/2014	0.34	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-069-4-6-20140225	480-55280-18	CADMIUM	3/4/2014	0.061	Yes	Y	J		J	1.1	0.034	mg/kg
LT-C-069-4-6-20140225	480-55280-18	SODIUM	3/4/2014	44.3	Yes	Y	J		J	796	14.8	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-4-6-20140225	480-55280-18	ARSENIC	3/5/2014	2.2		Yes	Y	J		J	11.4	0.45	mg/kg
LT-C-069-4-6-20140225	480-55280-18	LEAD	3/5/2014	5.7		Yes	Y				5.7	0.27	mg/kg
LT-C-069-4-6-20140225	480-55280-18	SELENIUM	3/5/2014			Yes	N	U		U	22.7	0.45	mg/kg
LT-C-069-4-6-20140225	480-55280-18	THALLIUM	3/5/2014			Yes	N	U		U	34.1	0.34	mg/kg
LT-C-069-6-8-20140225	480-55280-19	IRON	3/4/2014	15600		Yes	Y	B			51.7	1.1	mg/kg
LT-C-069-6-8-20140225	480-55280-19	CHROMIUM, TOTAL	3/4/2014	17.8		Yes	Y				2.6	0.21	mg/kg
LT-C-069-6-8-20140225	480-55280-19	ANTIMONY	3/4/2014			Yes	N	U		U	77.6	0.41	mg/kg
LT-C-069-6-8-20140225	480-55280-19	MANGANESE	3/4/2014	126		Yes	Y	B	J	J	1.0	0.033	mg/kg
LT-C-069-6-8-20140225	480-55280-19	NICKEL	3/4/2014	17.2		Yes	Y	J		J	25.9	0.24	mg/kg
LT-C-069-6-8-20140225	480-55280-19	SODIUM	3/4/2014	37.1		Yes	Y	J		J	724	13.5	mg/kg
LT-C-069-6-8-20140225	480-55280-19	COBALT	3/4/2014	5.5		Yes	Y				2.6	0.052	mg/kg
LT-C-069-6-8-20140225	480-55280-19	POTASSIUM	3/4/2014	1780		Yes	Y		J	J	155	20.7	mg/kg
LT-C-069-6-8-20140225	480-55280-19	CALCIUM	3/4/2014	730		Yes	Y				259	3.4	mg/kg
LT-C-069-6-8-20140225	480-55280-19	SILVER	3/4/2014			Yes	N	U		U	2.6	0.21	mg/kg
LT-C-069-6-8-20140225	480-55280-19	ALUMINUM	3/4/2014	8960		Yes	Y		J	J	51.7	4.6	mg/kg
LT-C-069-6-8-20140225	480-55280-19	MAGNESIUM	3/4/2014	2900		Yes	Y		J	J	103	0.96	mg/kg
LT-C-069-6-8-20140225	480-55280-19	ZINC	3/4/2014	39		Yes	Y	B			10.3	0.16	mg/kg
LT-C-069-6-8-20140225	480-55280-19	VANADIUM	3/4/2014	22.8		Yes	Y				2.6	0.11	mg/kg
LT-C-069-6-8-20140225	480-55280-19	COPPER	3/4/2014	12.7		Yes	Y		J	J	5.2	0.22	mg/kg
LT-C-069-6-8-20140225	480-55280-19	BERYLLIUM	3/4/2014	0.49		Yes	Y	J		J	1.0	0.029	mg/kg
LT-C-069-6-8-20140225	480-55280-19	CADMIUM	3/4/2014	0.064		Yes	Y	J		J	1.0	0.031	mg/kg
LT-C-069-6-8-20140225	480-55280-19	BARIUM	3/4/2014	68.8		Yes	Y		J	J	2.6	0.11	mg/kg
LT-C-069-6-8-20140225	480-55280-19	THALLIUM	3/5/2014			Yes	N	U		U	31.0	0.31	mg/kg
LT-C-069-6-8-20140225	480-55280-19	SELENIUM	3/5/2014			Yes	N	U		U	20.7	0.41	mg/kg
LT-C-069-6-8-20140225	480-55280-19	LEAD	3/5/2014	6.2		Yes	Y				5.2	0.25	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-6-8-20140225	480-55280-19	ARSENIC	3/5/2014	5.2	Yes	Y	J		J	10.3	0.41	mg/kg
LT-G-036-0-2-20140225	480-55280-4	IRON	3/4/2014	13400	Yes	Y	B			49.2	1.1	mg/kg
LT-G-036-0-2-20140225	480-55280-4	MAGNESIUM	3/4/2014	1300	Yes	Y		J	J	98.4	0.91	mg/kg
LT-G-036-0-2-20140225	480-55280-4	MANGANESE	3/4/2014	230	Yes	Y	B	J	J	0.98	0.031	mg/kg
LT-G-036-0-2-20140225	480-55280-4	NICKEL	3/4/2014	16.6	Yes	Y	J		J	24.6	0.23	mg/kg
LT-G-036-0-2-20140225	480-55280-4	SELENIUM	3/4/2014	1	Yes	Y	J		J	19.7	0.39	mg/kg
LT-G-036-0-2-20140225	480-55280-4	POTASSIUM	3/4/2014	318	Yes	Y		J	J	148	19.7	mg/kg
LT-G-036-0-2-20140225	480-55280-4	COBALT	3/4/2014	9.2	Yes	Y				2.5	0.049	mg/kg
LT-G-036-0-2-20140225	480-55280-4	CHROMIUM, TOTAL	3/4/2014	13	Yes	Y				2.5	0.20	mg/kg
LT-G-036-0-2-20140225	480-55280-4	CALCIUM	3/4/2014	1170	Yes	Y				246	3.2	mg/kg
LT-G-036-0-2-20140225	480-55280-4	BERYLLIUM	3/4/2014	0.47	Yes	Y	J		J	0.98	0.028	mg/kg
LT-G-036-0-2-20140225	480-55280-4	LEAD	3/4/2014	22.4	Yes	Y				4.9	0.24	mg/kg
LT-G-036-0-2-20140225	480-55280-4	BARIUM	3/4/2014	63.9	Yes	Y		J	J	2.5	0.11	mg/kg
LT-G-036-0-2-20140225	480-55280-4	ARSENIC	3/4/2014	9.1	Yes	Y	J		J	9.8	0.39	mg/kg
LT-G-036-0-2-20140225	480-55280-4	ANTIMONY	3/4/2014	0.43	Yes	Y	J		J	73.8	0.39	mg/kg
LT-G-036-0-2-20140225	480-55280-4	ALUMINUM	3/4/2014	7260	Yes	Y		J	J	49.2	4.3	mg/kg
LT-G-036-0-2-20140225	480-55280-4	CADMIUM	3/4/2014	0.2	Yes	Y	J		J	0.98	0.030	mg/kg
LT-G-036-0-2-20140225	480-55280-4	SILVER	3/4/2014		Yes	N	U		U	2.5	0.20	mg/kg
LT-G-036-0-2-20140225	480-55280-4	SODIUM	3/4/2014	89.8	Yes	Y	J		J	689	12.8	mg/kg
LT-G-036-0-2-20140225	480-55280-4	THALLIUM	3/4/2014		Yes	N	U		U	29.5	0.30	mg/kg
LT-G-036-0-2-20140225	480-55280-4	VANADIUM	3/4/2014	18	Yes	Y				2.5	0.11	mg/kg
LT-G-036-0-2-20140225	480-55280-4	ZINC	3/4/2014	43.1	Yes	Y	B			9.8	0.15	mg/kg
LT-G-036-0-2-20140225	480-55280-4	COPPER	3/4/2014	8.3	Yes	Y		J	J	4.9	0.21	mg/kg
LT-G-036-2-4-20140225	480-55280-5	BARIUM	3/4/2014	79.4	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-036-2-4-20140225	480-55280-5	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-2-4-20140225	480-55280-5	SODIUM	3/4/2014	95.7	Yes	Y	J		J	819	15.2	mg/kg
LT-G-036-2-4-20140225	480-55280-5	VANADIUM	3/4/2014	20.9	Yes	Y				2.9	0.13	mg/kg
LT-G-036-2-4-20140225	480-55280-5	ZINC	3/4/2014	29.7	Yes	Y	B			11.7	0.18	mg/kg
LT-G-036-2-4-20140225	480-55280-5	COPPER	3/4/2014	12.4	Yes	Y		J	J	5.9	0.25	mg/kg
LT-G-036-2-4-20140225	480-55280-5	CHROMIUM, TOTAL	3/4/2014	20.3	Yes	Y				2.9	0.23	mg/kg
LT-G-036-2-4-20140225	480-55280-5	CALCIUM	3/4/2014	1640	Yes	Y				293	3.9	mg/kg
LT-G-036-2-4-20140225	480-55280-5	POTASSIUM	3/4/2014	587	Yes	Y		J	J	176	23.4	mg/kg
LT-G-036-2-4-20140225	480-55280-5	NICKEL	3/4/2014	13.6	Yes	Y	J		J	29.3	0.27	mg/kg
LT-G-036-2-4-20140225	480-55280-5	COBALT	3/4/2014	5.5	Yes	Y				2.9	0.059	mg/kg
LT-G-036-2-4-20140225	480-55280-5	BERYLLIUM	3/4/2014	0.61	Yes	Y	J		J	1.2	0.033	mg/kg
LT-G-036-2-4-20140225	480-55280-5	MAGNESIUM	3/4/2014	2310	Yes	Y		J	J	117	1.1	mg/kg
LT-G-036-2-4-20140225	480-55280-5	ANTIMONY	3/4/2014		Yes	N	U		U	87.8	0.47	mg/kg
LT-G-036-2-4-20140225	480-55280-5	ALUMINUM	3/4/2014	9570	Yes	Y		J	J	58.5	5.2	mg/kg
LT-G-036-2-4-20140225	480-55280-5	IRON	3/4/2014	11700	Yes	Y	B			58.5	1.3	mg/kg
LT-G-036-2-4-20140225	480-55280-5	CADMIUM	3/4/2014	0.12	Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-036-2-4-20140225	480-55280-5	MANGANESE	3/4/2014	646	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-036-2-4-20140225	480-55280-5	SELENIUM	3/5/2014	0.63	Yes	Y	J		J	23.4	0.47	mg/kg
LT-G-036-2-4-20140225	480-55280-5	LEAD	3/5/2014	37.7	Yes	Y				5.9	0.28	mg/kg
LT-G-036-2-4-20140225	480-55280-5	THALLIUM	3/5/2014		Yes	N	U		U	35.1	0.35	mg/kg
LT-G-036-2-4-20140225	480-55280-5	ARSENIC	3/5/2014	4.4	Yes	Y	J		J	11.7	0.47	mg/kg
LT-G-036-6-8-20140225	480-55280-6	MANGANESE	3/4/2014	3700	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-036-6-8-20140225	480-55280-6	POTASSIUM	3/4/2014	482	Yes	Y		J	J	175	23.4	mg/kg
LT-G-036-6-8-20140225	480-55280-6	COBALT	3/4/2014	12.7	Yes	Y				2.9	0.058	mg/kg
LT-G-036-6-8-20140225	480-55280-6	CHROMIUM, TOTAL	3/4/2014	17.5	Yes	Y				2.9	0.23	mg/kg
LT-G-036-6-8-20140225	480-55280-6	CALCIUM	3/4/2014	1440	Yes	Y				292	3.9	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-6-8-20140225	480-55280-6	ANTIMONY	3/4/2014			Yes	N	U		U	87.7	0.47	mg/kg
LT-G-036-6-8-20140225	480-55280-6	BARIUM	3/4/2014	113		Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-036-6-8-20140225	480-55280-6	BERYLLIUM	3/4/2014	0.62		Yes	Y	J		J	1.2	0.033	mg/kg
LT-G-036-6-8-20140225	480-55280-6	MAGNESIUM	3/4/2014	1160		Yes	Y		J	J	117	1.1	mg/kg
LT-G-036-6-8-20140225	480-55280-6	IRON	3/4/2014	27800		Yes	Y	B			58.5	1.3	mg/kg
LT-G-036-6-8-20140225	480-55280-6	ALUMINUM	3/4/2014	6930		Yes	Y		J	J	58.5	5.1	mg/kg
LT-G-036-6-8-20140225	480-55280-6	NICKEL	3/4/2014	13.5		Yes	Y	J		J	29.2	0.27	mg/kg
LT-G-036-6-8-20140225	480-55280-6	CADMIUM	3/4/2014	0.18		Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-036-6-8-20140225	480-55280-6	VANADIUM	3/4/2014	24.7		Yes	Y				2.9	0.13	mg/kg
LT-G-036-6-8-20140225	480-55280-6	SILVER	3/4/2014			Yes	N	U		U	2.9	0.23	mg/kg
LT-G-036-6-8-20140225	480-55280-6	SODIUM	3/4/2014	61.5		Yes	Y	J		J	818	15.2	mg/kg
LT-G-036-6-8-20140225	480-55280-6	COPPER	3/4/2014	5.6		Yes	Y	J	J	J	5.8	0.25	mg/kg
LT-G-036-6-8-20140225	480-55280-6	ZINC	3/4/2014	18.6		Yes	Y	B			11.7	0.18	mg/kg
LT-G-036-6-8-20140225	480-55280-6	THALLIUM	3/5/2014			Yes	N	U		U	35.1	0.35	mg/kg
LT-G-036-6-8-20140225	480-55280-6	SELENIUM	3/5/2014			Yes	N	U		U	23.4	0.47	mg/kg
LT-G-036-6-8-20140225	480-55280-6	LEAD	3/5/2014	7.4		Yes	Y				5.8	0.28	mg/kg
LT-G-036-6-8-20140225	480-55280-6	ARSENIC	3/5/2014	11.1		Yes	Y	J		J	11.7	0.47	mg/kg
LT-G-037-0-2-20140225	480-55280-7	BARIUM	3/4/2014	49.6		Yes	Y		J	J	2.5	0.11	mg/kg
LT-G-037-0-2-20140225	480-55280-7	NICKEL	3/4/2014	13		Yes	Y	J		J	25.2	0.23	mg/kg
LT-G-037-0-2-20140225	480-55280-7	SODIUM	3/4/2014	54.8		Yes	Y	J		J	706	13.1	mg/kg
LT-G-037-0-2-20140225	480-55280-7	BERYLLIUM	3/4/2014	0.35		Yes	Y	J		J	1.0	0.028	mg/kg
LT-G-037-0-2-20140225	480-55280-7	MAGNESIUM	3/4/2014	1660		Yes	Y		J	J	101	0.94	mg/kg
LT-G-037-0-2-20140225	480-55280-7	ALUMINUM	3/4/2014	5980		Yes	Y		J	J	50.4	4.4	mg/kg
LT-G-037-0-2-20140225	480-55280-7	VANADIUM	3/4/2014	17.1		Yes	Y				2.5	0.11	mg/kg
LT-G-037-0-2-20140225	480-55280-7	SILVER	3/4/2014			Yes	N	U		U	2.5	0.20	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-0-2-20140225	480-55280-7	POTASSIUM	3/4/2014	1070	Yes	Y		J	J	151	20.2	mg/kg
LT-G-037-0-2-20140225	480-55280-7	ANTIMONY	3/4/2014		Yes	N	U		U	75.7	0.40	mg/kg
LT-G-037-0-2-20140225	480-55280-7	MANGANESE	3/4/2014	193	Yes	Y	B	J	J	1.0	0.032	mg/kg
LT-G-037-0-2-20140225	480-55280-7	COPPER	3/4/2014	44.5	Yes	Y		J	J	5.0	0.21	mg/kg
LT-G-037-0-2-20140225	480-55280-7	COBALT	3/4/2014	7.2	Yes	Y				2.5	0.050	mg/kg
LT-G-037-0-2-20140225	480-55280-7	CHROMIUM, TOTAL	3/4/2014	14.9	Yes	Y				2.5	0.20	mg/kg
LT-G-037-0-2-20140225	480-55280-7	CADMIUM	3/4/2014	0.32	Yes	Y	J		J	1.0	0.030	mg/kg
LT-G-037-0-2-20140225	480-55280-7	IRON	3/4/2014	13100	Yes	Y	B			50.4	1.1	mg/kg
LT-G-037-0-2-20140225	480-55280-7	ZINC	3/4/2014	44.5	Yes	Y	B			10.1	0.15	mg/kg
LT-G-037-0-2-20140225	480-55280-7	CALCIUM	3/4/2014	810	Yes	Y				252	3.3	mg/kg
LT-G-037-0-2-20140225	480-55280-7	THALLIUM	3/5/2014		Yes	N	U		U	30.3	0.30	mg/kg
LT-G-037-0-2-20140225	480-55280-7	SELENIUM	3/5/2014	0.48	Yes	Y	J		J	20.2	0.40	mg/kg
LT-G-037-0-2-20140225	480-55280-7	ARSENIC	3/5/2014	5.9	Yes	Y	J		J	10.1	0.40	mg/kg
LT-G-037-0-2-20140225	480-55280-7	LEAD	3/5/2014	10.1	Yes	Y				5.0	0.24	mg/kg
LT-G-037-2-4-20140225	480-55280-8	MANGANESE	3/4/2014	160	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-G-037-2-4-20140225	480-55280-8	NICKEL	3/4/2014	15.8	Yes	Y	J		J	28.1	0.26	mg/kg
LT-G-037-2-4-20140225	480-55280-8	POTASSIUM	3/4/2014	1970	Yes	Y		J	J	169	22.5	mg/kg
LT-G-037-2-4-20140225	480-55280-8	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-037-2-4-20140225	480-55280-8	SODIUM	3/4/2014	93.1	Yes	Y	J		J	787	14.6	mg/kg
LT-G-037-2-4-20140225	480-55280-8	ZINC	3/4/2014	43.2	Yes	Y	B			11.2	0.17	mg/kg
LT-G-037-2-4-20140225	480-55280-8	MAGNESIUM	3/4/2014	2820	Yes	Y		J	J	112	1.0	mg/kg
LT-G-037-2-4-20140225	480-55280-8	ANTIMONY	3/4/2014		Yes	N	U		U	84.3	0.45	mg/kg
LT-G-037-2-4-20140225	480-55280-8	VANADIUM	3/4/2014	24.1	Yes	Y				2.8	0.12	mg/kg
LT-G-037-2-4-20140225	480-55280-8	IRON	3/4/2014	17100	Yes	Y	B			56.2	1.2	mg/kg
LT-G-037-2-4-20140225	480-55280-8	COPPER	3/4/2014	19.3	Yes	Y		J	J	5.6	0.24	mg/kg

SDG: 480552801

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-2-4-20140225	480-55280-8	COBALT	3/4/2014	7.3	Yes	Y				2.8	0.056	mg/kg
LT-G-037-2-4-20140225	480-55280-8	CHROMIUM, TOTAL	3/4/2014	19.5	Yes	Y				2.8	0.22	mg/kg
LT-G-037-2-4-20140225	480-55280-8	CALCIUM	3/4/2014	1230	Yes	Y				281	3.7	mg/kg
LT-G-037-2-4-20140225	480-55280-8	CADMIUM	3/4/2014	0.16	Yes	Y	J		J	1.1	0.034	mg/kg
LT-G-037-2-4-20140225	480-55280-8	BARIUM	3/4/2014	61.7	Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-037-2-4-20140225	480-55280-8	ALUMINUM	3/4/2014	8100	Yes	Y		J	J	56.2	4.9	mg/kg
LT-G-037-2-4-20140225	480-55280-8	BERYLLIUM	3/4/2014	0.43	Yes	Y	J		J	1.1	0.031	mg/kg
LT-G-037-2-4-20140225	480-55280-8	SELENIUM	3/5/2014		Yes	N	U		U	22.5	0.45	mg/kg
LT-G-037-2-4-20140225	480-55280-8	ARSENIC	3/5/2014	4.1	Yes	Y	J		J	11.2	0.45	mg/kg
LT-G-037-2-4-20140225	480-55280-8	LEAD	3/5/2014	5.9	Yes	Y				5.6	0.27	mg/kg
LT-G-037-2-4-20140225	480-55280-8	THALLIUM	3/5/2014		Yes	N	U		U	33.7	0.34	mg/kg
LT-G-037-6-8-20140225	480-55280-9	IRON	3/4/2014	25200	Yes	Y	B			55.8	1.2	mg/kg
LT-G-037-6-8-20140225	480-55280-9	NICKEL	3/4/2014	33.4	Yes	Y				27.9	0.26	mg/kg
LT-G-037-6-8-20140225	480-55280-9	ZINC	3/4/2014	79.9	Yes	Y	B			11.2	0.17	mg/kg
LT-G-037-6-8-20140225	480-55280-9	VANADIUM	3/4/2014	47.5	Yes	Y				2.8	0.12	mg/kg
LT-G-037-6-8-20140225	480-55280-9	SODIUM	3/4/2014	151	Yes	Y	J		J	781	14.5	mg/kg
LT-G-037-6-8-20140225	480-55280-9	COBALT	3/4/2014	15.1	Yes	Y				2.8	0.056	mg/kg
LT-G-037-6-8-20140225	480-55280-9	POTASSIUM	3/4/2014	6120	Yes	Y		J	J	167	22.3	mg/kg
LT-G-037-6-8-20140225	480-55280-9	ALUMINUM	3/4/2014	18000	Yes	Y		J	J	55.8	4.9	mg/kg
LT-G-037-6-8-20140225	480-55280-9	MANGANESE	3/4/2014	408	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-G-037-6-8-20140225	480-55280-9	MAGNESIUM	3/4/2014	8540	Yes	Y		J	J	112	1.0	mg/kg
LT-G-037-6-8-20140225	480-55280-9	COPPER	3/4/2014	30	Yes	Y		J	J	5.6	0.23	mg/kg
LT-G-037-6-8-20140225	480-55280-9	CHROMIUM, TOTAL	3/4/2014	37.5	Yes	Y				2.8	0.22	mg/kg
LT-G-037-6-8-20140225	480-55280-9	CALCIUM	3/4/2014	2380	Yes	Y				279	3.7	mg/kg
LT-G-037-6-8-20140225	480-55280-9	CADMIUM	3/4/2014	0.33	Yes	Y	J		J	1.1	0.033	mg/kg

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-6-8-20140225	480-55280-9	BERYLLIUM	3/4/2014	0.77		Yes	Y	J		J	1.1	0.031	mg/kg
LT-G-037-6-8-20140225	480-55280-9	BARIUM	3/4/2014	193		Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-037-6-8-20140225	480-55280-9	ANTIMONY	3/4/2014			Yes	N	U		U	83.6	0.45	mg/kg
LT-G-037-6-8-20140225	480-55280-9	SILVER	3/4/2014			Yes	N	U		U	2.8	0.22	mg/kg
LT-G-037-6-8-20140225	480-55280-9	ARSENIC	3/5/2014	2.4		Yes	Y	J		J	11.2	0.45	mg/kg
LT-G-037-6-8-20140225	480-55280-9	LEAD	3/5/2014	13.2		Yes	Y				5.6	0.27	mg/kg
LT-G-037-6-8-20140225	480-55280-9	SELENIUM	3/5/2014			Yes	N	U		U	22.3	0.45	mg/kg
LT-G-037-6-8-20140225	480-55280-9	THALLIUM	3/5/2014			Yes	N	U		U	33.5	0.33	mg/kg

Analytical Method SW7470A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679921A	4801679921A	MERCURY	2/28/2014			Yes	N	U		U	0.00020	0.00012	mg/l
FB030-20140225	480-55280-20	MERCURY	2/28/2014			Yes	N	U		U	0.00020	0.00012	mg/l

Analytical Method SW7471B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801682161A	4801682161A	MERCURY	3/3/2014			Yes	N	U		U	0.020	0.0080	mg/kg
4801682171A	4801682171A	MERCURY	3/3/2014			Yes	N	U		U	0.020	0.0081	mg/kg
AC-GI-001-0-2-20140225	480-55280-21	MERCURY	3/3/2014	0.38		Yes	Y				0.021	0.0085	mg/kg
AC-GI-001-4-6-20140225	480-55280-22	MERCURY	3/3/2014			Yes	N	U		U	0.022	0.0088	mg/kg
AC-GI-002-0-2-20140225	480-55280-23	MERCURY	3/3/2014	0.12		Yes	Y				0.020	0.0082	mg/kg
AC-GI-002-4-6-20140225	480-55280-24	MERCURY	3/3/2014	0.014		Yes	Y	J		J	0.020	0.0083	mg/kg
CC-GI-001-0-2-20140225	480-55280-25	MERCURY	3/3/2014	0.22		Yes	Y				0.020	0.0082	mg/kg
CC-GI-001-2-4-20140225	480-55280-26	MERCURY	3/3/2014	0.36		Yes	Y				0.021	0.0083	mg/kg
CC-GI-002-0-2-20140225	480-55280-27	MERCURY	3/3/2014	0.074		Yes	Y				0.021	0.0085	mg/kg
CC-GI-002-2-4-20140225	480-55280-28	MERCURY	3/3/2014	0.18		Yes	Y				0.021	0.0085	mg/kg
DUP031-20140225	480-55280-10	MERCURY	3/3/2014	0.035		Yes	Y				0.020	0.0083	mg/kg

Analytical Method SW7471B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-0-2-20140225	480-55280-1	MERCURY	3/3/2014	0.017	Yes	Y	J		J	0.022	0.0087	mg/kg
LT-C-061-10-12-20140225	480-55280-3	MERCURY	3/3/2014	0.015	Yes	Y	J		J	0.021	0.0085	mg/kg
LT-C-061-4-6-20140225	480-55280-2	MERCURY	3/3/2014		Yes	N	U		U	0.020	0.0083	mg/kg
LT-C-062-0-2-20140225	480-55280-11	MERCURY	3/3/2014		Yes	N	U		U	0.021	0.0083	mg/kg
LT-C-062-2-4-20140225	480-55280-12	MERCURY	3/3/2014		Yes	N	U		U	0.021	0.0087	mg/kg
LT-C-062-6-8-20140225	480-55280-13	MERCURY	3/3/2014		Yes	N	U		U	0.020	0.0081	mg/kg
LT-C-063-0-2-20140225	480-55280-14	MERCURY	3/3/2014	0.011	Yes	Y	J		J	0.022	0.0091	mg/kg
LT-C-063-2-4-20140225	480-55280-15	MERCURY	3/3/2014		Yes	N	U		U	0.019	0.0079	mg/kg
LT-C-063-6-8-20140225	480-55280-16	MERCURY	3/3/2014		Yes	N	U		U	0.022	0.0090	mg/kg
LT-C-069-0-2-20140225	480-55280-17	MERCURY	3/3/2014		Yes	N	U		U	0.021	0.0084	mg/kg
LT-C-069-4-6-20140225	480-55280-18	MERCURY	3/3/2014	0.014	Yes	Y	J		J	0.022	0.0091	mg/kg
LT-C-069-6-8-20140225	480-55280-19	MERCURY	3/3/2014		Yes	N	U		U	0.020	0.0080	mg/kg
LT-G-036-0-2-20140225	480-55280-4	MERCURY	3/3/2014	0.042	Yes	Y				0.022	0.0089	mg/kg
LT-G-036-2-4-20140225	480-55280-5	MERCURY	3/3/2014	0.062	Yes	Y				0.023	0.0093	mg/kg
LT-G-036-6-8-20140225	480-55280-6	MERCURY	3/3/2014	0.01	Yes	Y	J		J	0.021	0.0084	mg/kg
LT-G-037-0-2-20140225	480-55280-7	MERCURY	3/3/2014	0.019	Yes	Y	J		J	0.021	0.0085	mg/kg
LT-G-037-2-4-20140225	480-55280-8	MERCURY	3/3/2014	0.012	Yes	Y	J		J	0.022	0.0088	mg/kg
LT-G-037-6-8-20140225	480-55280-9	MERCURY	3/3/2014		Yes	N	U		U	0.021	0.0087	mg/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679791A	4801679791A	METHOXYCHLOR	2/28/2014		Yes	N	U		U	0.050	0.014	ug/l
4801679791A	4801679791A	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	0.050	0.016	ug/l
4801679791A	4801679791A	ALDRIN	2/28/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801679791A	4801679791A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801679791A	4801679791A	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	0.050	0.015	ug/l

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679791A	4801679791A	ALPHA ENDOSULFAN	2/28/2014			Yes	N	U		U	0.050	0.011	ug/l
4801679791A	4801679791A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014			Yes	N	U		U	0.050	0.025	ug/l
4801679791A	4801679791A	BETA ENDOSULFAN	2/28/2014			Yes	N	U		U	0.050	0.012	ug/l
4801679791A	4801679791A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014			Yes	N	U		U	0.050	0.010	ug/l
4801679791A	4801679791A	DIELDRIN	2/28/2014			Yes	N	U		U	0.050	0.0098	ug/l
4801679791A	4801679791A	P,P'-DDE	2/28/2014			Yes	N	U		U	0.050	0.012	ug/l
4801679791A	4801679791A	ENDRIN	2/28/2014			Yes	N	U		U	0.050	0.014	ug/l
4801679791A	4801679791A	TOXAPHENE	2/28/2014			Yes	N	U		U	0.50	0.12	ug/l
4801679791A	4801679791A	ENDRIN KETONE	2/28/2014			Yes	N	U		U	0.050	0.012	ug/l
4801679791A	4801679791A	GAMMA BHC (LINDANE)	2/28/2014			Yes	N	U		U	0.050	0.0060	ug/l
4801679791A	4801679791A	GAMMA CHLORDANE	2/28/2014			Yes	N	U		U	0.050	0.011	ug/l
4801679791A	4801679791A	HEPTACHLOR	2/28/2014			Yes	N	U		U	0.050	0.0085	ug/l
4801679791A	4801679791A	HEPTACHLOR EPOXIDE	2/28/2014			Yes	N	U		U	0.050	0.0053	ug/l
4801679791A	4801679791A	P,P'-DDD	2/28/2014			Yes	N	U		U	0.050	0.0092	ug/l
4801679791A	4801679791A	P,P'-DDT	2/28/2014			Yes	N	U		U	0.050	0.011	ug/l
4801679791A	4801679791A	ENDOSULFAN SULFATE	2/28/2014			Yes	N	U		U	0.050	0.016	ug/l
4801679951A	4801679951A	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.7	0.30	ug/kg
4801679951A	4801679951A	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.7	0.41	ug/kg
4801679951A	4801679951A	ALDRIN	3/1/2014			Yes	N	U		U	1.7	0.41	ug/kg
4801679951A	4801679951A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.30	ug/kg
4801679951A	4801679951A	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.7	0.83	ug/kg
4801679951A	4801679951A	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.7	0.21	ug/kg
4801679951A	4801679951A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.18	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679951A	4801679951A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.22	ug/kg
4801679951A	4801679951A	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.7	0.31	ug/kg
4801679951A	4801679951A	DIELDRIN	3/1/2014			Yes	N	U		U	1.7	0.40	ug/kg
4801679951A	4801679951A	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.7	0.42	ug/kg
4801679951A	4801679951A	TOXAPHENE	3/1/2014			Yes	N	U		U	17	9.6	ug/kg
4801679951A	4801679951A	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.7	0.20	ug/kg
4801679951A	4801679951A	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.7	0.53	ug/kg
4801679951A	4801679951A	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.7	0.26	ug/kg
4801679951A	4801679951A	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.7	0.43	ug/kg
4801679951A	4801679951A	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.7	0.23	ug/kg
4801679951A	4801679951A	P,P'-DDD	3/1/2014			Yes	N	U		U	1.7	0.32	ug/kg
4801679951A	4801679951A	P,P'-DDE	3/1/2014			Yes	N	U		U	1.7	0.25	ug/kg
4801679951A	4801679951A	P,P'-DDT	3/1/2014			Yes	N	U		U	1.7	0.17	ug/kg
4801679951A	4801679951A	ENDRIN	3/1/2014			Yes	N	U		U	1.7	0.23	ug/kg
4801679961A	4801679961A	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.6	0.25	ug/kg
4801679961A	4801679961A	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.6	0.52	ug/kg
4801679961A	4801679961A	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.6	0.22	ug/kg
4801679961A	4801679961A	TOXAPHENE	3/1/2014			Yes	N	U		U	16	9.4	ug/kg
4801679961A	4801679961A	P,P'-DDT	3/1/2014			Yes	N	U		U	1.6	0.17	ug/kg
4801679961A	4801679961A	P,P'-DDE	3/1/2014			Yes	N	U		U	1.6	0.24	ug/kg
4801679961A	4801679961A	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.6	0.42	ug/kg
4801679961A	4801679961A	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.6	0.20	ug/kg
4801679961A	4801679961A	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.6	0.40	ug/kg
4801679961A	4801679961A	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.6	0.41	ug/kg
4801679961A	4801679961A	ENDRIN	3/1/2014			Yes	N	U		U	1.6	0.22	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679961A	4801679961A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.6	0.29	ug/kg
4801679961A	4801679961A	DIELDRIN	3/1/2014			Yes	N	U		U	1.6	0.39	ug/kg
4801679961A	4801679961A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.6	0.21	ug/kg
4801679961A	4801679961A	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.6	0.29	ug/kg
4801679961A	4801679961A	ALDRIN	3/1/2014			Yes	N	U		U	1.6	0.40	ug/kg
4801679961A	4801679961A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.6	0.17	ug/kg
4801679961A	4801679961A	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.6	0.20	ug/kg
4801679961A	4801679961A	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.6	0.81	ug/kg
4801679961A	4801679961A	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.6	0.30	ug/kg
4801679961A	4801679961A	P,P'-DDD	3/1/2014			Yes	N	U		U	1.6	0.31	ug/kg
4801681531A	4801681531A	DIELDRIN	3/3/2014			Yes	N	U		U	1.6	0.39	ug/kg
4801681531A	4801681531A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.6	0.21	ug/kg
4801681531A	4801681531A	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.6	0.29	ug/kg
4801681531A	4801681531A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.6	0.17	ug/kg
4801681531A	4801681531A	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.6	0.20	ug/kg
4801681531A	4801681531A	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.6	0.81	ug/kg
4801681531A	4801681531A	ALDRIN	3/3/2014			Yes	N	U		U	1.6	0.40	ug/kg
4801681531A	4801681531A	ENDRIN	3/3/2014			Yes	N	U		U	1.6	0.22	ug/kg
4801681531A	4801681531A	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.6	0.41	ug/kg
4801681531A	4801681531A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.6	0.29	ug/kg
4801681531A	4801681531A	P,P'-DDT	3/3/2014			Yes	N	U		U	1.6	0.17	ug/kg
4801681531A	4801681531A	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.6	0.30	ug/kg
4801681531A	4801681531A	TOXAPHENE	3/3/2014			Yes	N	U		U	16	9.4	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681531A	4801681531A	P,P'-DDE	3/3/2014			Yes	N	U		U	1.6	0.24	ug/kg
4801681531A	4801681531A	P,P'-DDD	3/3/2014			Yes	N	U		U	1.6	0.31	ug/kg
4801681531A	4801681531A	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.6	0.22	ug/kg
4801681531A	4801681531A	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.6	0.42	ug/kg
4801681531A	4801681531A	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.6	0.25	ug/kg
4801681531A	4801681531A	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.6	0.52	ug/kg
4801681531A	4801681531A	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.6	0.20	ug/kg
4801681531A	4801681531A	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.6	0.40	ug/kg
4801681541A	4801681541A	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.7	0.21	ug/kg
4801681541A	4801681541A	ENDRIN	3/3/2014			Yes	N	U		U	1.7	0.23	ug/kg
4801681541A	4801681541A	P,P'-DDE	3/3/2014			Yes	N	U		U	1.7	0.25	ug/kg
4801681541A	4801681541A	P,P'-DDD	3/3/2014			Yes	N	U		U	1.7	0.32	ug/kg
4801681541A	4801681541A	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.7	0.23	ug/kg
4801681541A	4801681541A	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.7	0.26	ug/kg
4801681541A	4801681541A	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.7	0.20	ug/kg
4801681541A	4801681541A	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.7	0.41	ug/kg
4801681541A	4801681541A	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.7	0.42	ug/kg
4801681541A	4801681541A	P,P'-DDT	3/3/2014			Yes	N	U		U	1.7	0.17	ug/kg
4801681541A	4801681541A	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.7	0.31	ug/kg
4801681541A	4801681541A	DIELDRIN	3/3/2014			Yes	N	U		U	1.7	0.40	ug/kg
4801681541A	4801681541A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.385		Yes	Y	J		J	1.7	0.22	ug/kg
4801681541A	4801681541A	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.7	0.30	ug/kg
4801681541A	4801681541A	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.7	0.43	ug/kg
4801681541A	4801681541A	TOXAPHENE	3/3/2014			Yes	N	U		U	17	9.6	ug/kg
4801681541A	4801681541A	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.7	0.83	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681541A	4801681541A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.7	0.30	ug/kg
4801681541A	4801681541A	ALDRIN	3/3/2014			Yes	N	U		U	1.7	0.41	ug/kg
4801681541A	4801681541A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.7	0.18	ug/kg
4801681541A	4801681541A	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.7	0.53	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	9.3	1.1	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	9.3	3.0	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ENDRIN KETONE	3/3/2014			Yes	N	U		U	9.3	2.3	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	9.3	1.0	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	METHOXYCHLOR	3/3/2014			Yes	N	U		U	9.3	1.3	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	P,P'-DDD	3/3/2014			Yes	N	U		U	9.3	1.8	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	P,P'-DDE	3/3/2014	2.7		Yes	Y	J		J	9.3	1.4	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	9.3	2.4	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	P,P'-DDT	3/3/2014	41		Yes	Y				9.3	0.95	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	TOXAPHENE	3/3/2014			Yes	N	U		U	93	54	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	HEPTACHLOR	3/3/2014			Yes	N	U		U	9.3	1.5	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	9.3	1.2	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	9.3	4.6	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	9.3	1.7	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	9.3	2.4	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ENDRIN	3/3/2014			Yes	N	U		U	9.3	1.3	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	9.3	1.7	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	9.3	1.2	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	9.3	1.7	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-001-0-2-20140225	480-55280-21	ALDRIN	3/3/2014			Yes	N	U		U	9.3	2.3	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	DIELDRIN	3/3/2014			Yes	N	U		U	9.3	2.2	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.8	0.46	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.20	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ENDRIN	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.8	0.34	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	DIELDRIN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.44	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	TOXAPHENE	3/1/2014			Yes	N	U		U	18	11	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	P,P'-DDT	3/1/2014	0.79		Yes	Y	J	JN	JN	1.8	0.19	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ALDRIN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.45	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.45		Yes	Y	J	J	J	1.8	0.33	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.24	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.23	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	P,P'-DDE	3/1/2014	0.81		Yes	Y	J	JN	JN	1.8	0.27	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	P,P'-DDD	3/1/2014			Yes	N	U		U	1.8	0.35	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.47	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	HEPTACHLOR	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.28	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	GAMMA CHLORDANE	3/1/2014	0.64		Yes	Y	J	J	J	1.8	0.58	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	GAMMA BHC (LINDANE)	3/1/2014	0.64		Yes	Y	J	J	J	1.8	0.22	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ALPHA CHLORDANE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.91	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	37	6.8	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-002-0-2-20140225	480-55280-23	DIELDRIN	3/3/2014			Yes	N	U		U	37	8.8	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	37	9.4	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	P,P'-DDD	3/3/2014			Yes	N	U		U	37	7.1	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	METHOXYCHLOR	3/3/2014			Yes	N	U		U	37	5.0	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	37	9.4	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	HEPTACHLOR	3/3/2014			Yes	N	U		U	37	5.7	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	37	12	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	37	4.5	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	P,P'-DDT	3/3/2014	19		Yes	Y	J		J	37	3.7	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ENDRIN	3/3/2014			Yes	N	U		U	37	5.0	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	TOXAPHENE	3/3/2014			Yes	N	U		U	370	210	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	37	4.8	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	37	6.6	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	37	4.0	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	37	4.6	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	37	18	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	37	6.6	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ALDRIN	3/3/2014			Yes	N	U		U	37	9.0	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ENDRIN KETONE	3/3/2014			Yes	N	U		U	37	9.0	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	P,P'-DDE	3/3/2014	12		Yes	Y	J		J	37	5.5	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	GAMMA BHC (LINDANE)	3/1/2014	0.43		Yes	Y	J		J	1.8	0.23	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.91	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-002-4-6-20140225	480-55280-24	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.23	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.20	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.48		Yes	Y	J		J	1.8	0.24	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.8	0.34	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.8	0.47	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ALDRIN	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.58	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.8	0.29	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.8	0.47	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	P,P'-DDD	3/1/2014	0.68		Yes	Y	J		J	1.8	0.36	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	P,P'-DDE	3/1/2014	1		Yes	Y	J		J	1.8	0.27	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	P,P'-DDT	3/1/2014	1.3		Yes	Y	J		J	1.8	0.19	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	TOXAPHENE	3/1/2014			Yes	N	U		U	18	11	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	DIELDRIN	3/1/2014			Yes	N	U		U	1.8	0.44	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ENDRIN	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014	21		Yes	Y	J		J	36	4.7	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	TOXAPHENE	3/3/2014			Yes	N	U		U	360	210	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	P,P'-DDT	3/3/2014			Yes	N	U		U	36	3.6	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	P,P'-DDE	3/3/2014	35		Yes	Y	J		J	36	5.3	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	METHOXYCHLOR	3/3/2014			Yes	N	U		U	36	4.9	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	HEPTACHLOR EPOXIDE	3/3/2014	26		Yes	Y	J		J	36	9.2	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-001-0-2-20140225	480-55280-25	HEPTACHLOR	3/3/2014			Yes	N	U		U	36	5.6	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	GAMMA CHLORDANE	3/3/2014	50		Yes	Y				36	11	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	GAMMA BHC (LINDANE)	3/3/2014	12		Yes	Y	J		J	36	4.4	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ENDRIN KETONE	3/3/2014			Yes	N	U		U	36	8.8	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ENDRIN ALDEHYDE	3/3/2014	9.9		Yes	Y	J		J	36	9.1	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ALPHA CHLORDANE	3/3/2014	30		Yes	Y	J		J	36	18	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	P,P'-DDD	3/3/2014	71		Yes	Y				36	6.9	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ENDRIN	3/3/2014			Yes	N	U		U	36	4.9	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	36	6.4	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014	11		Yes	Y	J		J	36	3.8	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	36	4.5	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	DIELDRIN	3/3/2014	33		Yes	Y	J		J	36	8.5	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	36	6.4	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ALDRIN	3/3/2014			Yes	N	U		U	36	8.8	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	36	6.6	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	GAMMA CHLORDANE	3/3/2014	24		Yes	Y	J		J	36	12	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	36	4.5	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	HEPTACHLOR	3/3/2014			Yes	N	U		U	36	5.7	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	HEPTACHLOR EPOXIDE	3/3/2014	16		Yes	Y	J	J	J	36	9.3	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U	UJ	UJ	36	4.6	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	36	18	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	36	3.9	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ENDRIN KETONE	3/3/2014			Yes	N	U	UJ	UJ	36	8.9	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U	UJ	UJ	36	9.3	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-001-2-4-20140225	480-55280-26	ENDRIN	3/3/2014			Yes	N	U		U	36	5.0	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	36	4.8	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	METHOXYCHLOR	3/3/2014	11		Yes	Y	J		J	36	5.0	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	DIELDRIN	3/3/2014	19		Yes	Y	J	J	J	36	8.7	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ALDRIN	3/3/2014			Yes	N	U		U	36	8.9	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	36	6.5	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	36	6.8	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	P,P'-DDE	3/3/2014	25		Yes	Y	J		J	36	5.4	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	36	6.5	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	P,P'-DDT	3/3/2014			Yes	N	U		U	36	3.7	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	TOXAPHENE	3/3/2014			Yes	N	U	UJ	UJ	360	210	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	P,P'-DDD	3/3/2014	24		Yes	Y	J		J	36	7.0	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ENDRIN KETONE	3/3/2014			Yes	N	U		U	36	8.8	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ALDRIN	3/3/2014			Yes	N	U		U	36	8.8	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	36	6.4	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	36	18	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	36	4.7	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	DIELDRIN	3/3/2014			Yes	N	U		U	36	8.5	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	36	6.6	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ENDRIN	3/3/2014			Yes	N	U		U	36	4.9	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	36	9.1	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	36	4.5	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	GAMMA CHLORDANE	3/3/2014	14		Yes	Y	J		J	36	11	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-002-0-2-20140225	480-55280-27	HEPTACHLOR	3/3/2014			Yes	N	U		U	36	5.6	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	36	9.2	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	METHOXYCHLOR	3/3/2014			Yes	N	U		U	36	4.9	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	P,P'-DDD	3/3/2014	14		Yes	Y	J		J	36	6.9	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	P,P'-DDE	3/3/2014	14		Yes	Y	J		J	36	5.3	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	36	4.4	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	36	6.4	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	36	3.8	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	P,P'-DDT	3/3/2014	18		Yes	Y	J		J	36	3.6	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	TOXAPHENE	3/3/2014			Yes	N	U		U	360	210	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	36	9.1	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	HEPTACHLOR	3/3/2014			Yes	N	U		U	36	5.6	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	GAMMA CHLORDANE	3/3/2014	25		Yes	Y	J		J	36	11	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	36	6.6	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ENDRIN KETONE	3/3/2014			Yes	N	U		U	36	8.7	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	GAMMA BHC (LINDANE)	3/3/2014	9.2		Yes	Y	J		J	36	4.4	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	36	6.4	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	TOXAPHENE	3/3/2014			Yes	N	U		U	360	210	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	P,P'-DDT	3/3/2014			Yes	N	U		U	36	3.6	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ALDRIN	3/3/2014			Yes	N	U		U	36	8.7	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	36	6.4	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	36	18	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	DIELDRIN	3/3/2014	17		Yes	Y	J		J	36	8.5	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014	6.9		Yes	Y	J		J	36	3.8	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-002-2-4-20140225	480-55280-28	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	36	9.2	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014	11		Yes	Y	J		J	36	4.7	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ENDRIN	3/3/2014			Yes	N	U		U	36	4.9	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	P,P'-DDE	3/3/2014	20		Yes	Y	J		J	36	5.3	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	P,P'-DDD	3/3/2014	64		Yes	Y				36	6.9	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	METHOXYCHLOR	3/3/2014	10		Yes	Y	J		J	36	4.9	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	36	4.5	ug/kg
DUP031-20140225	480-55280-10	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.56	ug/kg
DUP031-20140225	480-55280-10	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.8	0.44	ug/kg
DUP031-20140225	480-55280-10	TOXAPHENE	3/3/2014			Yes	N	U		U	18	10	ug/kg
DUP031-20140225	480-55280-10	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.22	ug/kg
DUP031-20140225	480-55280-10	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.19	ug/kg
DUP031-20140225	480-55280-10	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.32	ug/kg
DUP031-20140225	480-55280-10	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.23	ug/kg
DUP031-20140225	480-55280-10	DIELDRIN	3/3/2014			Yes	N	U		U	1.8	0.42	ug/kg
DUP031-20140225	480-55280-10	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
DUP031-20140225	480-55280-10	ENDRIN	3/3/2014			Yes	N	U		U	1.8	0.24	ug/kg
DUP031-20140225	480-55280-10	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.8	0.46	ug/kg
DUP031-20140225	480-55280-10	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
DUP031-20140225	480-55280-10	P,P'-DDT	3/3/2014			Yes	N	U		U	1.8	0.18	ug/kg
DUP031-20140225	480-55280-10	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.88	ug/kg
DUP031-20140225	480-55280-10	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.32	ug/kg
DUP031-20140225	480-55280-10	ALDRIN	3/3/2014			Yes	N	U		U	1.8	0.44	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
DUP031-20140225	480-55280-10	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.8	0.22	ug/kg
DUP031-20140225	480-55280-10	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.8	0.28	ug/kg
DUP031-20140225	480-55280-10	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.8	0.24	ug/kg
DUP031-20140225	480-55280-10	P,P'-DDD	3/3/2014			Yes	N	U		U	1.8	0.34	ug/kg
DUP031-20140225	480-55280-10	P,P'-DDE	3/3/2014			Yes	N	U		U	1.8	0.27	ug/kg
FB030-20140225	480-55280-20	HEPTACHLOR	2/28/2014			Yes	N	U		U	0.047	0.0081	ug/l
FB030-20140225	480-55280-20	ALPHA CHLORDANE	2/28/2014			Yes	N	U		U	0.047	0.014	ug/l
FB030-20140225	480-55280-20	TOXAPHENE	2/28/2014			Yes	N	U		U	0.47	0.11	ug/l
FB030-20140225	480-55280-20	METHOXYCHLOR	2/28/2014			Yes	N	U		U	0.047	0.013	ug/l
FB030-20140225	480-55280-20	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014			Yes	N	U		U	0.047	0.0063	ug/l
FB030-20140225	480-55280-20	ALPHA ENDOSULFAN	2/28/2014			Yes	N	U		U	0.047	0.010	ug/l
FB030-20140225	480-55280-20	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014			Yes	N	U		U	0.047	0.024	ug/l
FB030-20140225	480-55280-20	BETA ENDOSULFAN	2/28/2014			Yes	N	U		U	0.047	0.011	ug/l
FB030-20140225	480-55280-20	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014			Yes	N	U		U	0.047	0.0095	ug/l
FB030-20140225	480-55280-20	DIELDRIN	2/28/2014			Yes	N	U		U	0.047	0.0093	ug/l
FB030-20140225	480-55280-20	ENDOSULFAN SULFATE	2/28/2014			Yes	N	U		U	0.047	0.015	ug/l
FB030-20140225	480-55280-20	ENDRIN	2/28/2014			Yes	N	U		U	0.047	0.013	ug/l
FB030-20140225	480-55280-20	P,P'-DDD	2/28/2014			Yes	N	U		U	0.047	0.0087	ug/l
FB030-20140225	480-55280-20	ENDRIN KETONE	2/28/2014			Yes	N	U		U	0.047	0.011	ug/l
FB030-20140225	480-55280-20	GAMMA BHC (LINDANE)	2/28/2014			Yes	N	U		U	0.047	0.0057	ug/l
FB030-20140225	480-55280-20	GAMMA CHLORDANE	2/28/2014			Yes	N	U		U	0.047	0.010	ug/l
FB030-20140225	480-55280-20	ALDRIN	2/28/2014			Yes	N	U		U	0.047	0.0063	ug/l
FB030-20140225	480-55280-20	HEPTACHLOR EPOXIDE	2/28/2014			Yes	N	U		U	0.047	0.0050	ug/l
FB030-20140225	480-55280-20	ENDRIN ALDEHYDE	2/28/2014			Yes	N	U		U	0.047	0.015	ug/l

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB030-20140225	480-55280-20	P,P'-DDE	2/28/2014			Yes	N	U		U	0.047	0.011	ug/l
FB030-20140225	480-55280-20	P,P'-DDT	2/28/2014			Yes	N	U		U	0.047	0.010	ug/l
LT-C-061-0-2-20140225	480-55280-1	ENDRIN	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-061-0-2-20140225	480-55280-1	DIELDRIN	3/3/2014			Yes	N	U		U	1.8	0.43	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.19	ug/kg
LT-C-061-0-2-20140225	480-55280-1	P,P'-DDT	3/3/2014	0.42		Yes	Y	J	J	J	1.8	0.18	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.89	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.32	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-061-0-2-20140225	480-55280-1	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-061-0-2-20140225	480-55280-1	TOXAPHENE	3/3/2014			Yes	N	U		U	18	10	ug/kg
LT-C-061-0-2-20140225	480-55280-1	P,P'-DDE	3/3/2014	0.55		Yes	Y	J		J	1.8	0.27	ug/kg
LT-C-061-0-2-20140225	480-55280-1	P,P'-DDD	3/3/2014	0.75		Yes	Y	J		J	1.8	0.35	ug/kg
LT-C-061-0-2-20140225	480-55280-1	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.32	ug/kg
LT-C-061-0-2-20140225	480-55280-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.48		Yes	Y	BJ	U	U	1.8	0.24	ug/kg
LT-C-061-0-2-20140225	480-55280-1	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.8	0.28	ug/kg
LT-C-061-0-2-20140225	480-55280-1	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-C-061-0-2-20140225	480-55280-1	GAMMA CHLORDANE	3/3/2014	1.2		Yes	Y	J	J	J	1.8	0.57	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ALDRIN	3/3/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ENDRIN KETONE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.43	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-10-12-20140225	480-55280-3	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.45	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ENDRIN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.24	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.33	ug/kg
LT-C-061-10-12-20140225	480-55280-3	DIELDRIN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.42	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BETA ENDOSULFAN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.32	ug/kg
LT-C-061-10-12-20140225	480-55280-3	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.22	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ALPHA CHLORDANE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.88	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.22	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ALDRIN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.43	ug/kg
LT-C-061-10-12-20140225	480-55280-3	P,P'-DDE	3/1/2014	1		Yes	Y	J	J	J	1.8	0.26	ug/kg
LT-C-061-10-12-20140225	480-55280-3	P,P'-DDD	3/1/2014	0.87		Yes	Y	J	J	J	1.8	0.34	ug/kg
LT-C-061-10-12-20140225	480-55280-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.51		Yes	Y	J	J	J	1.8	0.23	ug/kg
LT-C-061-10-12-20140225	480-55280-3	METHOXYCHLOR	3/1/2014	2		Yes	Y		J	J	1.8	0.24	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.19	ug/kg
LT-C-061-10-12-20140225	480-55280-3	HEPTACHLOR	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.28	ug/kg
LT-C-061-10-12-20140225	480-55280-3	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.46	ug/kg
LT-C-061-10-12-20140225	480-55280-3	P,P'-DDT	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.18	ug/kg
LT-C-061-10-12-20140225	480-55280-3	TOXAPHENE	3/1/2014			Yes	N	U	UJ	UJ	18	10	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.32	ug/kg
LT-C-061-10-12-20140225	480-55280-3	GAMMA CHLORDANE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.56	ug/kg
LT-C-061-4-6-20140225	480-55280-2	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.8	0.28	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ALDRIN	3/1/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.32	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-4-6-20140225	480-55280-2	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.88	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014	1.7		Yes	Y	J		J	1.8	0.19	ug/kg
LT-C-061-4-6-20140225	480-55280-2	TOXAPHENE	3/1/2014			Yes	N	U		U	18	10	ug/kg
LT-C-061-4-6-20140225	480-55280-2	P,P'-DDT	3/1/2014	0.79		Yes	Y	J		J	1.8	0.18	ug/kg
LT-C-061-4-6-20140225	480-55280-2	P,P'-DDD	3/1/2014	0.66		Yes	Y	J		J	1.8	0.34	ug/kg
LT-C-061-4-6-20140225	480-55280-2	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-061-4-6-20140225	480-55280-2	P,P'-DDE	3/1/2014	0.68		Yes	Y	J		J	1.8	0.27	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.32	ug/kg
LT-C-061-4-6-20140225	480-55280-2	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.56	ug/kg
LT-C-061-4-6-20140225	480-55280-2	DIELDRIN	3/1/2014			Yes	N	U		U	1.8	0.43	ug/kg
LT-C-061-4-6-20140225	480-55280-2	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ENDRIN	3/1/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-061-4-6-20140225	480-55280-2	METHOXYCHLOR	3/1/2014	2.1		Yes	Y				1.8	0.24	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-061-4-6-20140225	480-55280-2	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-062-0-2-20140225	480-55280-11	TOXAPHENE	3/1/2014			Yes	N	U		U	18	10	ug/kg
LT-C-062-0-2-20140225	480-55280-11	P,P'-DDT	3/1/2014	7.9		Yes	Y				1.8	0.18	ug/kg
LT-C-062-0-2-20140225	480-55280-11	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-062-0-2-20140225	480-55280-11	P,P'-DDD	3/1/2014	14		Yes	Y				1.8	0.34	ug/kg
LT-C-062-0-2-20140225	480-55280-11	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-C-062-0-2-20140225	480-55280-11	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.8	0.28	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-0-2-20140225	480-55280-11	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.56	ug/kg
LT-C-062-0-2-20140225	480-55280-11	METHOXYCHLOR	3/1/2014	0.81		Yes	Y	J		J	1.8	0.24	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-062-0-2-20140225	480-55280-11	P,P'-DDE	3/1/2014	1.7		Yes	Y	J		J	1.8	0.27	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ENDRIN KETONE	3/1/2014	0.47		Yes	Y	J		J	1.8	0.43	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ENDRIN	3/1/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-062-0-2-20140225	480-55280-11	DIELDRIN	3/1/2014	3		Yes	Y				1.8	0.42	ug/kg
LT-C-062-0-2-20140225	480-55280-11	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ALDRIN	3/1/2014			Yes	N	U		U	1.8	0.43	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.35		Yes	Y	J		J	1.8	0.19	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ALPHA ENDOSULFAN	3/1/2014	39		Yes	Y				1.8	0.22	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.88	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.32	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.32	ug/kg
LT-C-062-2-4-20140225	480-55280-12	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.7	0.21	ug/kg
LT-C-062-2-4-20140225	480-55280-12	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.7	0.55	ug/kg
LT-C-062-2-4-20140225	480-55280-12	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.7	0.27	ug/kg
LT-C-062-2-4-20140225	480-55280-12	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.7	0.44	ug/kg
LT-C-062-2-4-20140225	480-55280-12	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.7	0.24	ug/kg
LT-C-062-2-4-20140225	480-55280-12	P,P'-DDD	3/1/2014			Yes	N	U		U	1.7	0.33	ug/kg
LT-C-062-2-4-20140225	480-55280-12	TOXAPHENE	3/1/2014			Yes	N	U		U	17	10	ug/kg
LT-C-062-2-4-20140225	480-55280-12	P,P'-DDT	3/1/2014	0.64		Yes	Y	J		J	1.7	0.18	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.7	0.44	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-2-4-20140225	480-55280-12	ENDRIN	3/1/2014			Yes	N	U		U	1.7	0.24	ug/kg
LT-C-062-2-4-20140225	480-55280-12	P,P'-DDE	3/1/2014			Yes	N	U		U	1.7	0.26	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ALDRIN	3/1/2014			Yes	N	U		U	1.7	0.42	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.7	0.42	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.7	0.32	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.19	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.7	0.22	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.31	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.7	0.31	ug/kg
LT-C-062-2-4-20140225	480-55280-12	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.23	ug/kg
LT-C-062-2-4-20140225	480-55280-12	DIELDRIN	3/1/2014			Yes	N	U		U	1.7	0.41	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.7	0.86	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.23	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ENDRIN KETONE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.45	ug/kg
LT-C-062-6-8-20140225	480-55280-13	DIELDRIN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.43	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ALPHA CHLORDANE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.90	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BETA ENDOSULFAN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.33	ug/kg
LT-C-062-6-8-20140225	480-55280-13	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.24	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.33	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.34	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.46	ug/kg
LT-C-062-6-8-20140225	480-55280-13	TOXAPHENE	3/1/2014			Yes	N	U	UJ	UJ	18	11	ug/kg
LT-C-062-6-8-20140225	480-55280-13	P,P'-DDE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.27	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-6-8-20140225	480-55280-13	METHOXYCHLOR	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.25	ug/kg
LT-C-062-6-8-20140225	480-55280-13	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.47	ug/kg
LT-C-062-6-8-20140225	480-55280-13	HEPTACHLOR	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.28	ug/kg
LT-C-062-6-8-20140225	480-55280-13	GAMMA CHLORDANE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.58	ug/kg
LT-C-062-6-8-20140225	480-55280-13	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.22	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ALDRIN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.45	ug/kg
LT-C-062-6-8-20140225	480-55280-13	P,P'-DDD	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.35	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ENDRIN	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.25	ug/kg
LT-C-062-6-8-20140225	480-55280-13	P,P'-DDT	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.18	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.41		Yes	Y	J	J	J	1.8	0.20	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	18	3.4	ug/kg
LT-C-063-0-2-20140225	480-55280-14	P,P'-DDT	3/1/2014			Yes	N	U		U	18	1.8	ug/kg
LT-C-063-0-2-20140225	480-55280-14	P,P'-DDE	3/1/2014			Yes	N	U		U	18	2.7	ug/kg
LT-C-063-0-2-20140225	480-55280-14	P,P'-DDD	3/1/2014			Yes	N	U		U	18	3.5	ug/kg
LT-C-063-0-2-20140225	480-55280-14	METHOXYCHLOR	3/1/2014			Yes	N	U		U	18	2.5	ug/kg
LT-C-063-0-2-20140225	480-55280-14	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	18	4.6	ug/kg
LT-C-063-0-2-20140225	480-55280-14	HEPTACHLOR	3/1/2014			Yes	N	U		U	18	2.8	ug/kg
LT-C-063-0-2-20140225	480-55280-14	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	18	5.7	ug/kg
LT-C-063-0-2-20140225	480-55280-14	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	18	2.2	ug/kg
LT-C-063-0-2-20140225	480-55280-14	TOXAPHENE	3/1/2014			Yes	N	U		U	180	100	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	18	4.6	ug/kg
LT-C-063-0-2-20140225	480-55280-14	DIELDRIN	3/1/2014			Yes	N	U		U	18	4.3	ug/kg
LT-C-063-0-2-20140225	480-55280-14	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	18	2.4	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	18	3.2	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-0-2-20140225	480-55280-14	ALDRIN	3/1/2014			Yes	N	U		U	18	4.4	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	18	3.2	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	18	9.0	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	18	2.3	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	18	1.9	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ENDRIN KETONE	3/1/2014			Yes	N	U		U	18	4.4	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ENDRIN	3/1/2014			Yes	N	U		U	18	2.5	ug/kg
LT-C-063-2-4-20140225	480-55280-15	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.7	0.45	ug/kg
LT-C-063-2-4-20140225	480-55280-15	DIELDRIN	3/1/2014			Yes	N	U		U	1.7	0.42	ug/kg
LT-C-063-2-4-20140225	480-55280-15	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.23	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.7	0.31	ug/kg
LT-C-063-2-4-20140225	480-55280-15	TOXAPHENE	3/1/2014			Yes	N	U		U	17	10	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.19	ug/kg
LT-C-063-2-4-20140225	480-55280-15	P,P'-DDT	3/1/2014	0.67		Yes	Y	J		J	1.7	0.18	ug/kg
LT-C-063-2-4-20140225	480-55280-15	P,P'-DDE	3/1/2014			Yes	N	U		U	1.7	0.26	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.7	0.44	ug/kg
LT-C-063-2-4-20140225	480-55280-15	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.7	0.24	ug/kg
LT-C-063-2-4-20140225	480-55280-15	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.7	0.27	ug/kg
LT-C-063-2-4-20140225	480-55280-15	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.7	0.55	ug/kg
LT-C-063-2-4-20140225	480-55280-15	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.7	0.21	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.7	0.43	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.7	0.22	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.7	0.87	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-2-4-20140225	480-55280-15	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.31	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ALDRIN	3/1/2014			Yes	N	U		U	1.7	0.43	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.7	0.32	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ENDRIN	3/1/2014			Yes	N	U		U	1.7	0.24	ug/kg
LT-C-063-2-4-20140225	480-55280-15	P,P'-DDD	3/1/2014			Yes	N	U		U	1.7	0.34	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.20	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ALDRIN	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-063-6-8-20140225	480-55280-16	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ENDRIN	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.91	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.8	0.34	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-063-6-8-20140225	480-55280-16	DIELDRIN	3/1/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-063-6-8-20140225	480-55280-16	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-063-6-8-20140225	480-55280-16	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-063-6-8-20140225	480-55280-16	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.8	0.29	ug/kg
LT-C-063-6-8-20140225	480-55280-16	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-063-6-8-20140225	480-55280-16	P,P'-DDD	3/1/2014	0.71		Yes	Y	J		J	1.8	0.36	ug/kg
LT-C-063-6-8-20140225	480-55280-16	P,P'-DDE	3/1/2014			Yes	N	U		U	1.8	0.28	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-6-8-20140225	480-55280-16	P,P'-DDT	3/1/2014			Yes	N	U		U	1.8	0.19	ug/kg
LT-C-063-6-8-20140225	480-55280-16	TOXAPHENE	3/1/2014			Yes	N	U		U	18	11	ug/kg
LT-C-063-6-8-20140225	480-55280-16	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.58	ug/kg
LT-C-069-0-2-20140225	480-55280-17	TOXAPHENE	3/1/2014			Yes	N	U		U	18	11	ug/kg
LT-C-069-0-2-20140225	480-55280-17	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-C-069-0-2-20140225	480-55280-17	DIELDRIN	3/1/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.8	0.34	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ENDRIN	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-069-0-2-20140225	480-55280-17	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-069-0-2-20140225	480-55280-17	P,P'-DDT	3/1/2014	0.71		Yes	Y	J		J	1.8	0.19	ug/kg
LT-C-069-0-2-20140225	480-55280-17	P,P'-DDE	3/1/2014			Yes	N	U		U	1.8	0.28	ug/kg
LT-C-069-0-2-20140225	480-55280-17	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.58	ug/kg
LT-C-069-0-2-20140225	480-55280-17	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.8	0.29	ug/kg
LT-C-069-0-2-20140225	480-55280-17	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-069-0-2-20140225	480-55280-17	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.91	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ALDRIN	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.20	ug/kg
LT-C-069-0-2-20140225	480-55280-17	P,P'-DDD	3/1/2014			Yes	N	U		U	1.8	0.36	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-4-6-20140225	480-55280-18	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ALDRIN	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.44		Yes	Y	J		J	1.8	0.33	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.90	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.47		Yes	Y	J		J	1.8	0.20	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-069-4-6-20140225	480-55280-18	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-C-069-4-6-20140225	480-55280-18	DIELDRIN	3/1/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-069-4-6-20140225	480-55280-18	P,P'-DDD	3/1/2014			Yes	N	U		U	1.8	0.35	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ENDRIN	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-069-4-6-20140225	480-55280-18	P,P'-DDE	3/1/2014			Yes	N	U		U	1.8	0.27	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-069-4-6-20140225	480-55280-18	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-069-4-6-20140225	480-55280-18	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.58	ug/kg
LT-C-069-4-6-20140225	480-55280-18	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.8	0.28	ug/kg
LT-C-069-4-6-20140225	480-55280-18	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-069-4-6-20140225	480-55280-18	METHOXYCHLOR	3/1/2014	0.61		Yes	Y	J		J	1.8	0.25	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.8	0.34	ug/kg
LT-C-069-4-6-20140225	480-55280-18	P,P'-DDT	3/1/2014	0.7		Yes	Y	J		J	1.8	0.19	ug/kg
LT-C-069-4-6-20140225	480-55280-18	TOXAPHENE	3/1/2014			Yes	N	U		U	18	11	ug/kg
LT-C-069-6-8-20140225	480-55280-19	P,P'-DDD	3/1/2014			Yes	N	U		U	1.7	0.34	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.7	0.43	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ALDRIN	3/1/2014			Yes	N	U		U	1.7	0.43	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-6-8-20140225	480-55280-19	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014		Yes	N	U		U	1.7	0.31	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ALPHA CHLORDANE	3/1/2014		Yes	N	U		U	1.7	0.87	ug/kg
LT-C-069-6-8-20140225	480-55280-19	GAMMA BHC (LINDANE)	3/1/2014		Yes	N	U		U	1.7	0.22	ug/kg
LT-C-069-6-8-20140225	480-55280-19	GAMMA CHLORDANE	3/1/2014		Yes	N	U		U	1.7	0.55	ug/kg
LT-C-069-6-8-20140225	480-55280-19	HEPTACHLOR	3/1/2014		Yes	N	U		U	1.7	0.27	ug/kg
LT-C-069-6-8-20140225	480-55280-19	TOXAPHENE	3/1/2014		Yes	N	U		U	17	10	ug/kg
LT-C-069-6-8-20140225	480-55280-19	P,P'-DDT	3/1/2014		Yes	N	U		U	1.7	0.18	ug/kg
LT-C-069-6-8-20140225	480-55280-19	P,P'-DDE	3/1/2014		Yes	N	U		U	1.7	0.26	ug/kg
LT-C-069-6-8-20140225	480-55280-19	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014		Yes	N	U		U	1.7	0.23	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ALPHA ENDOSULFAN	3/1/2014		Yes	N	U		U	1.7	0.22	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ENDRIN ALDEHYDE	3/1/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014		Yes	N	U		U	1.7	0.19	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ENDRIN	3/1/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ENDOSULFAN SULFATE	3/1/2014		Yes	N	U		U	1.7	0.33	ug/kg
LT-C-069-6-8-20140225	480-55280-19	DIELDRIN	3/1/2014		Yes	N	U		U	1.7	0.42	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BETA ENDOSULFAN	3/1/2014		Yes	N	U		U	1.7	0.31	ug/kg
LT-C-069-6-8-20140225	480-55280-19	HEPTACHLOR EPOXIDE	3/1/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-C-069-6-8-20140225	480-55280-19	METHOXYCHLOR	3/1/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-G-036-0-2-20140225	480-55280-4	GAMMA CHLORDANE	3/1/2014	0.61	Yes	Y	J		J	1.8	0.56	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ENDRIN ALDEHYDE	3/1/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-036-0-2-20140225	480-55280-4	HEPTACHLOR EPOXIDE	3/1/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ENDRIN KETONE	3/1/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-036-0-2-20140225	480-55280-4	METHOXYCHLOR	3/1/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-036-0-2-20140225	480-55280-4	P,P'-DDD	3/1/2014	0.62	Yes	Y	J		J	1.8	0.34	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-0-2-20140225	480-55280-4	P,P'-DDT	3/1/2014	2	Yes	Y				1.8	0.18	ug/kg
LT-G-036-0-2-20140225	480-55280-4	TOXAPHENE	3/1/2014		Yes	N	U		U	18	10	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ENDRIN	3/1/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-036-0-2-20140225	480-55280-4	GAMMA BHC (LINDANE)	3/1/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-036-0-2-20140225	480-55280-4	P,P'-DDE	3/1/2014	1.4	Yes	Y	J		J	1.8	0.26	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ALPHA CHLORDANE	3/1/2014		Yes	N	U		U	1.8	0.88	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ENDOSULFAN SULFATE	3/1/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.43	Yes	Y	J		J	1.8	0.32	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ALPHA ENDOSULFAN	3/1/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.89	Yes	Y	J		J	1.8	0.19	ug/kg
LT-G-036-0-2-20140225	480-55280-4	HEPTACHLOR	3/1/2014	1.8	Yes	Y				1.8	0.28	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BETA ENDOSULFAN	3/1/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-036-0-2-20140225	480-55280-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-036-0-2-20140225	480-55280-4	DIELDRIN	3/1/2014	0.91	Yes	Y	J		J	1.8	0.42	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ALDRIN	3/1/2014	1	Yes	Y	J		J	1.8	0.43	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ALDRIN	3/1/2014		Yes	N	U		U	1.9	0.45	ug/kg
LT-G-036-2-4-20140225	480-55280-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ENDRIN ALDEHYDE	3/1/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ENDRIN	3/1/2014	0.53	Yes	Y	J		J	1.9	0.25	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ENDOSULFAN SULFATE	3/1/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-036-2-4-20140225	480-55280-5	DIELDRIN	3/1/2014		Yes	N	U		U	1.9	0.44	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BETA ENDOSULFAN	3/1/2014		Yes	N	U		U	1.9	0.33	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.9	Yes	Y	J		J	1.9	0.20	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-2-4-20140225	480-55280-5	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.9	0.23	ug/kg
LT-G-036-2-4-20140225	480-55280-5	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.9	0.23	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.9	0.33	ug/kg
LT-G-036-2-4-20140225	480-55280-5	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.9	0.59	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.9	0.92	ug/kg
LT-G-036-2-4-20140225	480-55280-5	TOXAPHENE	3/1/2014			Yes	N	U		U	19	11	ug/kg
LT-G-036-2-4-20140225	480-55280-5	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.9	0.29	ug/kg
LT-G-036-2-4-20140225	480-55280-5	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-G-036-2-4-20140225	480-55280-5	METHOXYCHLOR	3/1/2014	0.75		Yes	Y	J		J	1.9	0.25	ug/kg
LT-G-036-2-4-20140225	480-55280-5	P,P'-DDD	3/1/2014	0.57		Yes	Y	J		J	1.9	0.36	ug/kg
LT-G-036-2-4-20140225	480-55280-5	P,P'-DDE	3/1/2014	0.88		Yes	Y	J		J	1.9	0.28	ug/kg
LT-G-036-2-4-20140225	480-55280-5	P,P'-DDT	3/1/2014			Yes	N	U		U	1.9	0.19	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.9	0.45	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.7	0.45	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.7	0.43	ug/kg
LT-G-036-6-8-20140225	480-55280-6	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.7	0.22	ug/kg
LT-G-036-6-8-20140225	480-55280-6	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.7	0.56	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ENDRIN	3/1/2014			Yes	N	U		U	1.7	0.24	ug/kg
LT-G-036-6-8-20140225	480-55280-6	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.7	0.45	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.7	0.87	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ALDRIN	3/1/2014			Yes	N	U		U	1.7	0.43	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.7	0.33	ug/kg
LT-G-036-6-8-20140225	480-55280-6	DIELDRIN	3/1/2014			Yes	N	U		U	1.7	0.42	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.31	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-6-8-20140225	480-55280-6	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.7	0.24	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U	UJ	UJ	1.7	0.22	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.19	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.7	0.31	ug/kg
LT-G-036-6-8-20140225	480-55280-6	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.7	0.23	ug/kg
LT-G-036-6-8-20140225	480-55280-6	P,P'-DDE	3/1/2014			Yes	N	U		U	1.7	0.26	ug/kg
LT-G-036-6-8-20140225	480-55280-6	P,P'-DDT	3/1/2014	0.68		Yes	Y	J		J	1.7	0.18	ug/kg
LT-G-036-6-8-20140225	480-55280-6	TOXAPHENE	3/1/2014			Yes	N	U	UJ	UJ	17	10	ug/kg
LT-G-036-6-8-20140225	480-55280-6	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.7	0.27	ug/kg
LT-G-036-6-8-20140225	480-55280-6	P,P'-DDD	3/1/2014			Yes	N	U		U	1.7	0.34	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-G-037-0-2-20140225	480-55280-7	P,P'-DDE	3/1/2014	0.81		Yes	Y	J		J	1.8	0.27	ug/kg
LT-G-037-0-2-20140225	480-55280-7	P,P'-DDD	3/1/2014	0.52		Yes	Y	J		J	1.8	0.34	ug/kg
LT-G-037-0-2-20140225	480-55280-7	METHOXYCHLOR	3/1/2014	0.46		Yes	Y	J		J	1.8	0.24	ug/kg
LT-G-037-0-2-20140225	480-55280-7	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-G-037-0-2-20140225	480-55280-7	TOXAPHENE	3/1/2014			Yes	N	U		U	18	10	ug/kg
LT-G-037-0-2-20140225	480-55280-7	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.8	0.28	ug/kg
LT-G-037-0-2-20140225	480-55280-7	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.56	ug/kg
LT-G-037-0-2-20140225	480-55280-7	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-G-037-0-2-20140225	480-55280-7	P,P'-DDT	3/1/2014	0.85		Yes	Y	J		J	1.8	0.18	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ENDRIN	3/1/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-G-037-0-2-20140225	480-55280-7	DIELDRIN	3/1/2014			Yes	N	U		U	1.8	0.42	ug/kg
LT-G-037-0-2-20140225	480-55280-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.57		Yes	Y	J		J	1.8	0.23	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-0-2-20140225	480-55280-7	BETA ENDOSULFAN	3/1/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.41	Yes	Y	J		J	1.8	0.19	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ALPHA ENDOSULFAN	3/1/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ALPHA CHLORDANE	3/1/2014		Yes	N	U		U	1.8	0.88	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014	0.42	Yes	Y	J		J	1.8	0.32	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ALDRIN	3/1/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ENDRIN ALDEHYDE	3/1/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-037-2-4-20140225	480-55280-8	P,P'-DDE	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.27	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.19	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ENDRIN ALDEHYDE	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.46	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ENDRIN KETONE	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.44	ug/kg
LT-G-037-2-4-20140225	480-55280-8	GAMMA BHC (LINDANE)	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.22	ug/kg
LT-G-037-2-4-20140225	480-55280-8	GAMMA CHLORDANE	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.57	ug/kg
LT-G-037-2-4-20140225	480-55280-8	HEPTACHLOR	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.28	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ENDRIN	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.25	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ENDOSULFAN SULFATE	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.33	ug/kg
LT-G-037-2-4-20140225	480-55280-8	DIELDRIN	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.43	ug/kg
LT-G-037-2-4-20140225	480-55280-8	TOXAPHENE	3/1/2014		Yes	N	U	UJ	UJ	18	10	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BETA ENDOSULFAN	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.32	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ALPHA ENDOSULFAN	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.23	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ALPHA CHLORDANE	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.89	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.32	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ALDRIN	3/1/2014		Yes	N	U	UJ	UJ	1.8	0.44	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-2-4-20140225	480-55280-8	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.46	ug/kg
LT-G-037-2-4-20140225	480-55280-8	METHOXYCHLOR	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.25	ug/kg
LT-G-037-2-4-20140225	480-55280-8	P,P'-DDD	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.35	ug/kg
LT-G-037-2-4-20140225	480-55280-8	P,P'-DDT	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.18	ug/kg
LT-G-037-2-4-20140225	480-55280-8	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U	UJ	UJ	1.8	0.24	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ENDRIN KETONE	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BETA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ALDRIN	3/1/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ALPHA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.90	ug/kg
LT-G-037-6-8-20140225	480-55280-9	GAMMA CHLORDANE	3/1/2014			Yes	N	U		U	1.8	0.58	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.20	ug/kg
LT-G-037-6-8-20140225	480-55280-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/1/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-G-037-6-8-20140225	480-55280-9	DIELDRIN	3/1/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ENDOSULFAN SULFATE	3/1/2014			Yes	N	U		U	1.8	0.34	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ENDRIN	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ENDRIN ALDEHYDE	3/1/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-G-037-6-8-20140225	480-55280-9	GAMMA BHC (LINDANE)	3/1/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-G-037-6-8-20140225	480-55280-9	HEPTACHLOR EPOXIDE	3/1/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ALPHA ENDOSULFAN	3/1/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-G-037-6-8-20140225	480-55280-9	METHOXYCHLOR	3/1/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-G-037-6-8-20140225	480-55280-9	P,P'-DDD	3/1/2014			Yes	N	U		U	1.8	0.35	ug/kg
LT-G-037-6-8-20140225	480-55280-9	P,P'-DDE	3/1/2014			Yes	N	U		U	1.8	0.27	ug/kg

SDG: 480552801

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-6-8-20140225	480-55280-9	P,P'-DDT	3/1/2014			Yes	N	U		U	1.8	0.18	ug/kg
LT-G-037-6-8-20140225	480-55280-9	TOXAPHENE	3/1/2014			Yes	N	U		U	18	11	ug/kg
LT-G-037-6-8-20140225	480-55280-9	HEPTACHLOR	3/1/2014			Yes	N	U		U	1.8	0.28	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679931A	4801679931A	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	170	5.1	ug/kg
4801679931A	4801679931A	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	170	8.6	ug/kg
4801679931A	4801679931A	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	170	8.3	ug/kg
4801679931A	4801679931A	FLUORENE	3/5/2014			Yes	N	U		U	170	3.9	ug/kg
4801679931A	4801679931A	FLUORANTHENE	3/5/2014			Yes	N	U		U	170	2.4	ug/kg
4801679931A	4801679931A	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	170	3.9	ug/kg
4801679931A	4801679931A	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	170	51	ug/kg
4801679931A	4801679931A	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	170	4.4	ug/kg
4801679931A	4801679931A	NITROBENZENE	3/5/2014			Yes	N	U		U	170	7.4	ug/kg
4801679931A	4801679931A	DIBENZOFURAN	3/5/2014			Yes	N	U		U	170	1.7	ug/kg
4801679931A	4801679931A	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	170	2.0	ug/kg
4801679931A	4801679931A	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	170	58	ug/kg
4801679931A	4801679931A	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	170	13	ug/kg
4801679931A	4801679931A	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	170	4.6	ug/kg
4801679931A	4801679931A	NAPHTHALENE	3/5/2014			Yes	N	U		U	170	2.8	ug/kg
4801679931A	4801679931A	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	170	9.2	ug/kg
4801679931A	4801679931A	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	330	57	ug/kg
4801679931A	4801679931A	PHENANTHRENE	3/5/2014			Yes	N	U		U	170	3.5	ug/kg
4801679931A	4801679931A	PHENOL	3/5/2014			Yes	N	U		U	170	18	ug/kg
4801679931A	4801679931A	PYRENE	3/5/2014			Yes	N	U		U	170	1.1	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679931A	4801679931A	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	170	13	ug/kg
4801679931A	4801679931A	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	170	150	ug/kg
4801679931A	4801679931A	CHRYSENE	3/5/2014			Yes	N	U		U	170	1.7	ug/kg
4801679931A	4801679931A	ISOPHORONE	3/5/2014			Yes	N	U		U	170	8.4	ug/kg
4801679931A	4801679931A	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	170	2.0	ug/kg
4801679931A	4801679931A	3-NITROANILINE	3/5/2014			Yes	N	U		U	330	39	ug/kg
4801679931A	4801679931A	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	170	49	ug/kg
4801679931A	4801679931A	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	170	37	ug/kg
4801679931A	4801679931A	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	170	6.9	ug/kg
4801679931A	4801679931A	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	170	53	ug/kg
4801679931A	4801679931A	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	330	58	ug/kg
4801679931A	4801679931A	CARBAZOLE	3/5/2014			Yes	N	U		U	170	1.9	ug/kg
4801679931A	4801679931A	2-NITROPHENOL	3/5/2014			Yes	N	U		U	170	7.7	ug/kg
4801679931A	4801679931A	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	330	9.3	ug/kg
4801679931A	4801679931A	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	170	5.2	ug/kg
4801679931A	4801679931A	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	170	3.6	ug/kg
4801679931A	4801679931A	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	170	11	ug/kg
4801679931A	4801679931A	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	170	8.5	ug/kg
4801679931A	4801679931A	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	170	11	ug/kg
4801679931A	4801679931A	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	170	41	ug/kg
4801679931A	4801679931A	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	170	26	ug/kg
4801679931A	4801679931A	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	330	59	ug/kg
4801679931A	4801679931A	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	170	45	ug/kg
4801679931A	4801679931A	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	170	8.8	ug/kg
4801679931A	4801679931A	2-NITROANILINE	3/5/2014			Yes	N	U		U	330	54	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679931A	4801679931A	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	170	2.9	ug/kg
4801679931A	4801679931A	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	170	45	ug/kg
4801679931A	4801679931A	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	170	9.1	ug/kg
4801679931A	4801679931A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	170	14	ug/kg
4801679931A	4801679931A	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	170	1.8	ug/kg
4801679931A	4801679931A	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	170	18	ug/kg
4801679931A	4801679931A	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	170	54	ug/kg
4801679931A	4801679931A	4-NITROANILINE	3/5/2014			Yes	N	U		U	330	19	ug/kg
4801679931A	4801679931A	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	170	10	ug/kg
4801679931A	4801679931A	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	170	4.0	ug/kg
4801679931A	4801679931A	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	170	2.0	ug/kg
4801679931A	4801679931A	BENZALDEHYDE	3/5/2014			Yes	N	U		U	170	18	ug/kg
4801679931A	4801679931A	CAPROLACTAM	3/5/2014			Yes	N	U		U	170	72	ug/kg
4801679931A	4801679931A	ATRAZINE	3/5/2014			Yes	N	U		U	170	7.5	ug/kg
4801679931A	4801679931A	ANTHRACENE	3/5/2014			Yes	N	U		U	170	4.3	ug/kg
4801679931A	4801679931A	ACETOPHENONE	3/5/2014			Yes	N	U		U	170	8.6	ug/kg
4801679931A	4801679931A	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	170	1.4	ug/kg
4801679931A	4801679931A	ACENAPHTHENE	3/5/2014			Yes	N	U		U	170	2.0	ug/kg
4801679931A	4801679931A	4-NITROPHENOL	3/5/2014			Yes	N	U		U	330	41	ug/kg
4801679931A	4801679931A	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	170	3.3	ug/kg
4801679941A	4801679941A	CHRYSENE	3/4/2014			Yes	N	U		U	170	1.7	ug/kg
4801679941A	4801679941A	DIBENZ(A,H)ANTHRACENE	3/4/2014			Yes	N	U		U	170	2.0	ug/kg
4801679941A	4801679941A	DI-N-BUTYL PHTHALATE	3/4/2014			Yes	N	U		U	170	58	ug/kg
4801679941A	4801679941A	DIETHYL PHTHALATE	3/4/2014			Yes	N	U		U	170	5.0	ug/kg
4801679941A	4801679941A	DIMETHYL PHTHALATE	3/4/2014			Yes	N	U		U	170	4.3	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679941A	4801679941A	DIBENZOFURAN	3/4/2014			Yes	N	U		U	170	1.7	ug/kg
4801679941A	4801679941A	CARBAZOLE	3/4/2014			Yes	N	U		U	170	1.9	ug/kg
4801679941A	4801679941A	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014			Yes	N	U		U	170	54	ug/kg
4801679941A	4801679941A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014			Yes	N	U		U	170	14	ug/kg
4801679941A	4801679941A	BIS(2-CHLOROETHOXY) METHANE	3/4/2014			Yes	N	U		U	170	9.1	ug/kg
4801679941A	4801679941A	DI-N-OCTYLPHTHALATE	3/4/2014			Yes	N	U		U	170	3.9	ug/kg
4801679941A	4801679941A	BENZYL BUTYL PHTHALATE	3/4/2014			Yes	N	U		U	170	45	ug/kg
4801679941A	4801679941A	N-NITROSODI-N-PROPYLAMINE	3/4/2014			Yes	N	U		U	170	13	ug/kg
4801679941A	4801679941A	BENZO(K)FLUORANTHENE	3/4/2014			Yes	N	U		U	170	1.8	ug/kg
4801679941A	4801679941A	BIPHENYL (DIPHENYL)	3/4/2014			Yes	N	U		U	170	10	ug/kg
4801679941A	4801679941A	ISOPHORONE	3/4/2014			Yes	N	U		U	170	8.3	ug/kg
4801679941A	4801679941A	PHENOL	3/4/2014			Yes	N	U		U	170	18	ug/kg
4801679941A	4801679941A	PHENANTHRENE	3/4/2014			Yes	N	U		U	170	3.5	ug/kg
4801679941A	4801679941A	PENTACHLOROPHENOL	3/4/2014			Yes	N	U		U	330	57	ug/kg
4801679941A	4801679941A	N-NITROSODIPHENYLAMINE	3/4/2014			Yes	N	U		U	170	9.1	ug/kg
4801679941A	4801679941A	2-NITROANILINE	3/4/2014			Yes	N	U		U	330	53	ug/kg
4801679941A	4801679941A	NAPHTHALENE	3/4/2014			Yes	N	U		U	170	2.8	ug/kg
4801679941A	4801679941A	BENZO(G,H,I)PERYLENE	3/4/2014			Yes	N	U		U	170	2.0	ug/kg
4801679941A	4801679941A	FLUORANTHENE	3/4/2014			Yes	N	U		U	170	2.4	ug/kg
4801679941A	4801679941A	INDENO(1,2,3-C,D)PYRENE	3/4/2014			Yes	N	U		U	170	4.6	ug/kg
4801679941A	4801679941A	HEXACHLOROETHANE	3/4/2014			Yes	N	U		U	170	13	ug/kg
4801679941A	4801679941A	HEXACHLOROCYCLOPENTADIENE	3/4/2014			Yes	N	U		U	170	50	ug/kg
4801679941A	4801679941A	HEXACHLOROBUTADIENE	3/4/2014			Yes	N	U		U	170	8.5	ug/kg
4801679941A	4801679941A	HEXACHLOROBENZENE	3/4/2014			Yes	N	U		U	170	8.3	ug/kg
4801679941A	4801679941A	FLUORENE	3/4/2014			Yes	N	U		U	170	3.8	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679941A	4801679941A	NITROBENZENE	3/4/2014			Yes	N	U		U	170	7.4	ug/kg
4801679941A	4801679941A	2,4-DINITROPHENOL	3/4/2014			Yes	N	U		U	330	58	ug/kg
4801679941A	4801679941A	2-NITROPHENOL	3/4/2014			Yes	N	U		U	170	7.6	ug/kg
4801679941A	4801679941A	2-METHYLPHENOL (O-CRESOL)	3/4/2014			Yes	N	U		U	170	5.1	ug/kg
4801679941A	4801679941A	2-METHYLNAPHTHALENE	3/4/2014			Yes	N	U		U	170	2.0	ug/kg
4801679941A	4801679941A	2-CHLOROPHENOL	3/4/2014			Yes	N	U		U	170	8.5	ug/kg
4801679941A	4801679941A	2-CHLORONAPHTHALENE	3/4/2014			Yes	N	U		U	170	11	ug/kg
4801679941A	4801679941A	3,3'-DICHLOROBENZIDINE	3/4/2014			Yes	N	U		U	170	150	ug/kg
4801679941A	4801679941A	2,4-DINITROTOLUENE	3/4/2014			Yes	N	U		U	170	26	ug/kg
4801679941A	4801679941A	4-BROMOPHENYL PHENYL ETHER	3/4/2014			Yes	N	U		U	170	53	ug/kg
4801679941A	4801679941A	2,4-DIMETHYLPHENOL	3/4/2014			Yes	N	U		U	170	45	ug/kg
4801679941A	4801679941A	2,4-DICHLOROPHENOL	3/4/2014			Yes	N	U		U	170	8.7	ug/kg
4801679941A	4801679941A	2,4,6-TRICHLOROPHENOL	3/4/2014			Yes	N	U		U	170	11	ug/kg
4801679941A	4801679941A	CAPROLACTAM	3/4/2014			Yes	N	U		U	170	72	ug/kg
4801679941A	4801679941A	PYRENE	3/4/2014			Yes	N	U		U	170	1.1	ug/kg
4801679941A	4801679941A	2,4,5-TRICHLOROPHENOL	3/4/2014			Yes	N	U		U	170	36	ug/kg
4801679941A	4801679941A	2,6-DINITROTOLUENE	3/4/2014			Yes	N	U		U	170	41	ug/kg
4801679941A	4801679941A	4-NITROPHENOL	3/4/2014			Yes	N	U		U	330	40	ug/kg
4801679941A	4801679941A	BENZO(A)PYRENE	3/4/2014			Yes	N	U		U	170	4.0	ug/kg
4801679941A	4801679941A	BENZO(A)ANTHRACENE	3/4/2014			Yes	N	U		U	170	2.9	ug/kg
4801679941A	4801679941A	BENZALDEHYDE	3/4/2014			Yes	N	U		U	170	18	ug/kg
4801679941A	4801679941A	ATRAZINE	3/4/2014			Yes	N	U		U	170	7.4	ug/kg
4801679941A	4801679941A	ANTHRACENE	3/4/2014			Yes	N	U		U	170	4.3	ug/kg
4801679941A	4801679941A	ACETOPHENONE	3/4/2014			Yes	N	U		U	170	8.6	ug/kg
4801679941A	4801679941A	3-NITROANILINE	3/4/2014			Yes	N	U		U	330	38	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801679941A	4801679941A	ACENAPHTHENE	3/4/2014			Yes	N	U		U	170	2.0	ug/kg
4801679941A	4801679941A	4,6-DINITRO-2-METHYLPHENOL	3/4/2014			Yes	N	U		U	330	58	ug/kg
4801679941A	4801679941A	4-NITROANILINE	3/4/2014			Yes	N	U		U	330	19	ug/kg
4801679941A	4801679941A	4-METHYLPHENOL (P-CRESOL)	3/4/2014			Yes	N	U		U	330	9.3	ug/kg
4801679941A	4801679941A	4-CHLOROPHENYL PHENYL ETHER	3/4/2014			Yes	N	U		U	170	3.6	ug/kg
4801679941A	4801679941A	4-CHLOROANILINE	3/4/2014			Yes	N	U		U	170	49	ug/kg
4801679941A	4801679941A	4-CHLORO-3-METHYLPHENOL	3/4/2014			Yes	N	U		U	170	6.9	ug/kg
4801679941A	4801679941A	BENZO(B)FLUORANTHENE	3/4/2014			Yes	N	U		U	170	3.2	ug/kg
4801679941A	4801679941A	ACENAPHTHYLENE	3/4/2014			Yes	N	U		U	170	1.4	ug/kg
4801679941A	4801679941A	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014			Yes	N	U		U	170	17	ug/kg
4801680221A	4801680221A	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
4801680221A	4801680221A	ACETOPHENONE	3/3/2014			Yes	N	U		U	5.0	0.54	ug/l
4801680221A	4801680221A	ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.28	ug/l
4801680221A	4801680221A	ATRAZINE	3/3/2014			Yes	N	U		U	5.0	0.46	ug/l
4801680221A	4801680221A	BENZALDEHYDE	3/3/2014			Yes	N	U		U	5.0	0.27	ug/l
4801680221A	4801680221A	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
4801680221A	4801680221A	BENZO(A)PYRENE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l
4801680221A	4801680221A	BENZO(B)FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.34	ug/l
4801680221A	4801680221A	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
4801680221A	4801680221A	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.73	ug/l
4801680221A	4801680221A	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
4801680221A	4801680221A	BIPHENYL (DIPHENYL)	3/3/2014			Yes	N	U		U	5.0	0.65	ug/l
4801680221A	4801680221A	4-NITROPHENOL	3/3/2014			Yes	N	U		U	10	1.5	ug/l
4801680221A	4801680221A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801680221A	4801680221A	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	5.0	0.52	ug/l

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801680221A	4801680221A	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014			Yes	N	U		U	5.0	1.8	ug/l
4801680221A	4801680221A	CAPROLACTAM	3/3/2014			Yes	N	U		U	5.0	2.2	ug/l
4801680221A	4801680221A	CARBAZOLE	3/3/2014			Yes	N	U		U	5.0	0.30	ug/l
4801680221A	4801680221A	CHRYSENE	3/3/2014			Yes	N	U		U	5.0	0.33	ug/l
4801680221A	4801680221A	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.42	ug/l
4801680221A	4801680221A	DIBENZOFURAN	3/3/2014			Yes	N	U		U	10	0.51	ug/l
4801680221A	4801680221A	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.22	ug/l
4801680221A	4801680221A	BENZYL BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.42	ug/l
4801680221A	4801680221A	2-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.42	ug/l
4801680221A	4801680221A	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.48	ug/l
4801680221A	4801680221A	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.61	ug/l
4801680221A	4801680221A	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
4801680221A	4801680221A	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	5.0	0.50	ug/l
4801680221A	4801680221A	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
4801680221A	4801680221A	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
4801680221A	4801680221A	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801680221A	4801680221A	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.46	ug/l
4801680221A	4801680221A	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.53	ug/l
4801680221A	4801680221A	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	5.0	0.38	ug/l
4801680221A	4801680221A	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801680221A	4801680221A	ACENAPHTHENE	3/3/2014			Yes	N	U		U	5.0	0.41	ug/l
4801680221A	4801680221A	2-NITROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.48	ug/l
4801680221A	4801680221A	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801680221A	4801680221A	3-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.48	ug/l
4801680221A	4801680221A	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801680221A	4801680221A	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
4801680221A	4801680221A	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
4801680221A	4801680221A	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
4801680221A	4801680221A	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	10	0.36	ug/l
4801680221A	4801680221A	4-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.25	ug/l
4801680221A	4801680221A	2-METHYLNAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.60	ug/l
4801680221A	4801680221A	PHENOL	3/3/2014			Yes	N	U		U	5.0	0.39	ug/l
4801680221A	4801680221A	DI-N-BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.31	ug/l
4801680221A	4801680221A	PYRENE	3/3/2014			Yes	N	U		U	5.0	0.34	ug/l
4801680221A	4801680221A	PHENANTHRENE	3/3/2014			Yes	N	U		U	5.0	0.44	ug/l
4801680221A	4801680221A	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
4801680221A	4801680221A	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
4801680221A	4801680221A	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	5.0	0.54	ug/l
4801680221A	4801680221A	NITROBENZENE	3/3/2014			Yes	N	U		U	5.0	0.29	ug/l
4801680221A	4801680221A	NAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.76	ug/l
4801680221A	4801680221A	FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801680221A	4801680221A	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l
4801680221A	4801680221A	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
4801680221A	4801680221A	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
4801680221A	4801680221A	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	5.0	0.68	ug/l
4801680221A	4801680221A	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
4801680221A	4801680221A	FLUORENE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
4801680221A	4801680221A	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l
4801680221A	4801680221A	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
4801680221A	4801680221A	ISOPHORONE	3/3/2014			Yes	N	U		U	5.0	0.43	ug/l

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-001-0-2-20140225	480-55280-21	FLUORANTHENE	3/6/2014	460		Yes	Y				190	2.7	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	FLUORENE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	INDENO(1,2,3-C,D)PYRENE	3/6/2014	110		Yes	Y	J		J	190	5.2	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.1	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	57	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	46	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.3	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	170	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.3	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.6	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	3-NITROANILINE	3/6/2014			Yes	N	U		U	370	43	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	60	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.7	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	PHENANTHRENE	3/6/2014	220		Yes	Y				190	3.9	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	PYRENE	3/6/2014	500		Yes	Y				190	1.2	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2-NITROANILINE	3/6/2014			Yes	N	U		U	370	60	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	51	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-001-0-2-20140225	480-55280-21	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	21	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BENZO(A)ANTHRACENE	3/6/2014	220		Yes	Y				190	3.2	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BENZO(A)PYRENE	3/6/2014	190		Yes	Y				190	4.5	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	CHRYSENE	3/6/2014	280		Yes	Y				190	1.9	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	81	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	65	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BENZO(B)FLUORANTHENE	3/6/2014	290		Yes	Y				190	3.7	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BENZO(K)FLUORANTHENE	3/6/2014	130		Yes	Y	J		J	190	2.1	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	CARBAZOLE	3/6/2014	38		Yes	Y	J		J	190	2.2	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	370	10	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BENZO(G,H,I)PERYLENE	3/6/2014	130		Yes	Y	J		J	190	2.3	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	4-NITROPHENOL	3/6/2014			Yes	N	U		U	370	46	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	51	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	370	66	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	61	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-001-0-2-20140225	480-55280-21	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	55	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	41	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	190	5.8	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.7	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	4-NITROANILINE	3/6/2014			Yes	N	U		U	370	21	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ACENAPHTHENE	3/6/2014	22		Yes	Y	J		J	190	2.2	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ACENAPHTHYLENE	3/6/2014	12		Yes	Y	J		J	190	1.5	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
AC-GI-001-0-2-20140225	480-55280-21	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	45	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.9	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	54	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	CHRYSENE	3/5/2014	28		Yes	Y	J		J	180	1.8	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.8	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-001-4-6-20140225	480-55280-22	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	FLUORANTHENE	3/5/2014	25		Yes	Y	J		J	180	2.7	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.5	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	58	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	63	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.4	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	40	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.6	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	49	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BENZO(A)ANTHRACENE	3/5/2014	25		Yes	Y	J		J	180	3.2	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.6	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	49	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.6	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	79	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-001-4-6-20140225	480-55280-22	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	59	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	10	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	3-NITROANILINE	3/5/2014			Yes	N	U		U	360	42	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2-NITROANILINE	3/5/2014			Yes	N	U		U	360	59	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	360	10	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	4-NITROANILINE	3/5/2014			Yes	N	U		U	360	20	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	4-NITROPHENOL	3/5/2014			Yes	N	U		U	360	44	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.4	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.1	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	FLUORENE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	55	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	15	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-001-4-6-20140225	480-55280-22	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	10	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	PHENANTHRENE	3/5/2014	13		Yes	Y	J		J	180	3.8	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
AC-GI-001-4-6-20140225	480-55280-22	PYRENE	3/5/2014	39		Yes	Y	J		J	180	1.2	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	3600	630	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	1800	580	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BENZALDEHYDE	3/5/2014			Yes	N	U		U	1800	200	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BENZO(A)ANTHRACENE	3/5/2014	590		Yes	Y	J		J	1800	32	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BENZO(A)PYRENE	3/5/2014	500		Yes	Y	J		J	1800	44	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BENZO(G,H,I)PERYLENE	3/5/2014	340		Yes	Y	J		J	1800	22	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ANTHRACENE	3/5/2014	120		Yes	Y	J		J	1800	47	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	1800	110	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ACETOPHENONE	3/5/2014			Yes	N	U		U	1800	94	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	1800	100	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	1800	160	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	1800	190	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	1800	590	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	CAPROLACTAM	3/5/2014			Yes	N	U		U	1800	790	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	CARBAZOLE	3/5/2014			Yes	N	U		U	1800	21	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	490	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BENZO(K)FLUORANTHENE	3/5/2014	430		Yes	Y	J		J	1800	20	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ACENAPHTHENE	3/5/2014	26		Yes	Y	J		J	1800	22	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	4-NITROPHENOL	3/5/2014			Yes	N	U		U	3600	440	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	4-NITROANILINE	3/5/2014			Yes	N	U		U	3600	200	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-002-0-2-20140225	480-55280-23	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	3600	100	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	1800	39	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ATRAZINE	3/5/2014			Yes	N	U		U	1800	82	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	1800	75	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	400	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2-NITROANILINE	3/5/2014			Yes	N	U		U	3600	590	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	CHRYSENE	3/5/2014	480		Yes	Y	J		J	1800	18	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2-NITROPHENOL	3/5/2014			Yes	N	U		U	1800	84	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	1800	1600	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	3-NITROANILINE	3/5/2014			Yes	N	U		U	3600	420	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ACENAPHTHYLENE	3/5/2014	80		Yes	Y	J		J	1800	15	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	1800	540	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	BENZO(B)FLUORANTHENE	3/5/2014	680		Yes	Y	J		J	1800	36	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	93	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	1800	120	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	1800	450	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	1800	280	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	3600	640	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	1800	500	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	96	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	120	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	1800	22	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	1800	140	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	1800	550	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	ISOPHORONE	3/5/2014			Yes	N	U		U	1800	92	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-002-0-2-20140225	480-55280-23	NAPHTHALENE	3/5/2014			Yes	N	U		U	1800	31	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	NITROBENZENE	3/5/2014			Yes	N	U		U	1800	81	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	1800	150	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	1800	100	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	3600	630	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	PHENANTHRENE	3/5/2014	350		Yes	Y	J		J	1800	39	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	PHENOL	3/5/2014			Yes	N	U		U	1800	190	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	PYRENE	3/5/2014	870		Yes	Y	J		J	1800	12	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	1800	22	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	1800	94	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	1800	91	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	INDENO(1,2,3-C,D)PYRENE	3/5/2014	440		Yes	Y	J		J	1800	51	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	1800	56	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	55	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	48	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	630	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	1800	43	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	DIBENZOFURAN	3/5/2014			Yes	N	U		U	1800	19	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	FLUORANTHENE	3/5/2014	670		Yes	Y	J		J	1800	27	ug/kg
AC-GI-002-0-2-20140225	480-55280-23	FLUORENE	3/5/2014			Yes	N	U		U	1800	42	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	4-NITROPHENOL	3/5/2014			Yes	N	U		U	360	45	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	190	7.6	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	190	54	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	190	4.0	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	190	59	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-002-4-6-20140225	480-55280-24	4-NITROANILINE	3/5/2014			Yes	N	U		U	360	21	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ACENAPHTHENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	190	1.5	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ACETOPHENONE	3/5/2014			Yes	N	U		U	190	9.5	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ANTHRACENE	3/5/2014			Yes	N	U		U	190	4.7	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ATRAZINE	3/5/2014			Yes	N	U		U	190	8.3	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BENZALDEHYDE	3/5/2014			Yes	N	U		U	190	20	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	190	3.2	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	190	4.5	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	190	3.6	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	360	10	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	190	50	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	360	65	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	190	29	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	190	45	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	190	12	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	190	9.4	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	190	12	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	190	5.7	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2-NITROANILINE	3/5/2014			Yes	N	U		U	360	59	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	CAPROLACTAM	3/5/2014			Yes	N	U		U	190	80	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2-NITROPHENOL	3/5/2014			Yes	N	U		U	190	8.5	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	190	40	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-002-4-6-20140225	480-55280-24	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	190	160	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	3-NITROANILINE	3/5/2014			Yes	N	U		U	360	43	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	190	15	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	190	9.2	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	190	9.5	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	190	56	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	190	14	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	PYRENE	3/5/2014			Yes	N	U		U	190	1.2	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	FLUORENE	3/5/2014			Yes	N	U		U	190	4.3	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	NITROBENZENE	3/5/2014			Yes	N	U		U	190	8.2	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	190	5.1	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	190	10	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	PHENANTHRENE	3/5/2014			Yes	N	U		U	190	3.9	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	PHENOL	3/5/2014			Yes	N	U		U	190	20	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	190	19	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	190	2.0	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	ISOPHORONE	3/5/2014			Yes	N	U		U	190	9.3	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	190	60	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	NAPHTHALENE	3/5/2014			Yes	N	U		U	190	3.1	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	190	12	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	FLUORANTHENE	3/5/2014			Yes	N	U		U	190	2.7	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	190	16	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	190	9.7	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
AC-GI-002-4-6-20140225	480-55280-24	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	190	10	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	CARBAZOLE	3/5/2014			Yes	N	U		U	190	2.1	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	190	50	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	CHRYSENE	3/5/2014			Yes	N	U		U	190	1.9	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	DIBENZOFURAN	3/5/2014			Yes	N	U		U	190	1.9	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	190	5.6	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	190	4.8	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	190	64	ug/kg
AC-GI-002-4-6-20140225	480-55280-24	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	190	4.3	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	1800	550	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	FLUORANTHENE	3/5/2014	680		Yes	Y	J		J	1800	26	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	FLUORENE	3/5/2014	95		Yes	Y	J		J	1800	42	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	1800	90	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	1800	92	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	1800	42	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	1800	140	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	INDENO(1,2,3-C,D)PYRENE	3/5/2014	370		Yes	Y	J		J	1800	50	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ISOPHORONE	3/5/2014			Yes	N	U		U	1800	90	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	NAPHTHALENE	3/5/2014			Yes	N	U		U	1800	30	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	NITROBENZENE	3/5/2014			Yes	N	U		U	1800	80	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BENZO(A)ANTHRACENE	3/5/2014	390		Yes	Y	J		J	1800	31	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BENZALDEHYDE	3/5/2014			Yes	N	U		U	1800	200	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	620	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	1800	140	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-001-0-2-20140225	480-55280-25	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	1800	190	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BENZO(B)FLUORANTHENE	3/5/2014	670		Yes	Y	J		J	1800	35	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2-NITROANILINE	3/5/2014			Yes	N	U		U	3500	580	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	1800	22	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ATRAZINE	3/5/2014			Yes	N	U		U	1800	80	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	480	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	1800	110	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BENZO(K)FLUORANTHENE	3/5/2014	220		Yes	Y	J		J	1800	20	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	1800	160	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	47	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	1800	580	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	CAPROLACTAM	3/5/2014			Yes	N	U		U	1800	780	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	CARBAZOLE	3/5/2014			Yes	N	U		U	1800	21	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	CHRYSENE	3/5/2014	530		Yes	Y	J		J	1800	18	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	1800	21	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	DIBENZOFURAN	3/5/2014			Yes	N	U		U	1800	19	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	54	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	1800	98	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	3500	620	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	1800	1600	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	1800	120	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	1800	440	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	1800	280	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	3500	630	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2-METHYLNAPHTHALENE	3/5/2014	72		Yes	Y	J		J	1800	22	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-001-0-2-20140225	480-55280-25	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	1800	99	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	1800	55	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	PHENANTHRENE	3/5/2014	590		Yes	Y	J		J	1800	38	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	PHENOL	3/5/2014			Yes	N	U		U	1800	190	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	PYRENE	3/5/2014	1000		Yes	Y	J		J	1800	12	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	95	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	120	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	390	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	1800	490	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	1800	38	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ACETOPHENONE	3/5/2014			Yes	N	U		U	1800	93	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	1800	15	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ACENAPHTHENE	3/5/2014	120		Yes	Y	J		J	1800	21	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	4-NITROPHENOL	3/5/2014			Yes	N	U		U	3500	440	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	4-NITROANILINE	3/5/2014			Yes	N	U		U	3500	200	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	92	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	BENZO(A)PYRENE	3/5/2014	420		Yes	Y	J		J	1800	43	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	ANTHRACENE	3/5/2014	130		Yes	Y	J		J	1800	46	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	1800	530	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	1800	74	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	1800	570	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	3500	620	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	3-NITROANILINE	3/5/2014			Yes	N	U		U	3500	410	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	2-NITROPHENOL	3/5/2014			Yes	N	U		U	1800	82	ug/kg
CC-GI-001-0-2-20140225	480-55280-25	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	3500	100	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-001-2-4-20140225	480-55280-26	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	1900	160	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ANTHRACENE	3/5/2014	3200		Yes	Y				1900	47	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	1900	540	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	1900	39	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	3600	100	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	4-NITROANILINE	3/5/2014			Yes	N	U		U	3600	210	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	4-NITROPHENOL	3/5/2014			Yes	N	U		U	3600	450	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ACENAPHTHENE	3/5/2014	1500		Yes	Y	J		J	1900	22	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BENZO(K)FLUORANTHENE	3/5/2014	2500		Yes	Y				1900	20	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ACETOPHENONE	3/5/2014			Yes	N	U		U	1900	94	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	3600	630	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ATRAZINE	3/5/2014			Yes	N	U		U	1900	82	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BENZALDEHYDE	3/5/2014			Yes	N	U		U	1900	200	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BENZO(A)ANTHRACENE	3/5/2014	5300		Yes	Y				1900	32	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BENZO(A)PYRENE	3/5/2014	4300		Yes	Y				1900	44	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BENZO(B)FLUORANTHENE	3/5/2014	4900		Yes	Y				1900	36	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BENZO(G,H,I)PERYLENE	3/5/2014	2300		Yes	Y				1900	22	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ACENAPHTHYLENE	3/5/2014	94		Yes	Y	J		J	1900	15	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	1900	94	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	1900	400	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	1900	120	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014	950		Yes	Y	J		J	1900	590	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	1900	500	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	PYRENE	3/5/2014	14000		Yes	Y				1900	12	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	1900	280	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-001-2-4-20140225	480-55280-26	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	1900	76	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	1900	120	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	1900	580	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2-METHYLNAPHTHALENE	3/5/2014	200		Yes	Y	J		J	1900	22	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	1900	57	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2-NITROANILINE	3/5/2014			Yes	N	U		U	3600	590	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2-NITROPHENOL	3/5/2014			Yes	N	U		U	1900	84	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	1900	1600	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	3-NITROANILINE	3/5/2014			Yes	N	U		U	3600	420	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2,4-DINITROPHENOL	3/5/2014			Yes	N	U	UJ	UJ	3600	640	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	1900	450	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	NITROBENZENE	3/5/2014			Yes	N	U		U	1900	81	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	FLUORENE	3/5/2014	1600		Yes	Y	J		J	1900	42	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	1900	91	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	1900	94	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U	UJ	UJ	1900	560	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	1900	140	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	INDENO(1,2,3-C,D)PYRENE	3/5/2014	2600		Yes	Y				1900	51	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	FLUORANTHENE	3/5/2014	12000		Yes	Y				1900	27	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	NAPHTHALENE	3/5/2014	190		Yes	Y	J		J	1900	31	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	3600	630	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	1900	150	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	1900	100	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	PHENANTHRENE	3/5/2014	13000		Yes	Y				1900	39	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	PHENOL	3/5/2014			Yes	N	U		U	1900	190	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-001-2-4-20140225	480-55280-26	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	1900	490	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	1900	96	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	ISOPHORONE	3/5/2014			Yes	N	U		U	1900	92	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	CARBAZOLE	3/5/2014	510		Yes	Y	J		J	1900	21	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	1900	43	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	1900	110	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	1900	190	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	1900	100	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	CAPROLACTAM	3/5/2014			Yes	N	U		U	1900	800	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	CHRYSENE	3/5/2014	5300		Yes	Y				1900	18	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	DIBENZ(A,H)ANTHRACENE	3/5/2014	480		Yes	Y	J		J	1900	22	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	DIBENZOFURAN	3/5/2014	650		Yes	Y	J		J	1900	19	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1900	56	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1900	48	ug/kg
CC-GI-001-2-4-20140225	480-55280-26	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	1900	640	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	1800	190	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	1800	580	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	CAPROLACTAM	3/5/2014			Yes	N	U		U	1800	780	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	CARBAZOLE	3/5/2014			Yes	N	U		U	1800	21	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	1800	160	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	CHRYSENE	3/5/2014	940		Yes	Y	J		J	1800	18	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	1800	21	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	1800	98	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	54	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BENZO(A)ANTHRACENE	3/5/2014	530		Yes	Y	J		J	1800	31	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-002-0-2-20140225	480-55280-27	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	47	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	620	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	1800	42	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	FLUORANTHENE	3/5/2014	420		Yes	Y	J		J	1800	26	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	DIBENZOFURAN	3/5/2014			Yes	N	U		U	1800	19	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ANTHRACENE	3/5/2014	130		Yes	Y	J		J	1800	46	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	4-NITROPHENOL	3/5/2014			Yes	N	U		U	3500	440	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	4-NITROANILINE	3/5/2014			Yes	N	U		U	3500	200	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	3500	100	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	1800	38	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ACENAPHTHENE	3/5/2014			Yes	N	U		U	1800	21	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2-NITROPHENOL	3/5/2014			Yes	N	U		U	1800	82	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BENZO(B)FLUORANTHENE	3/5/2014	920		Yes	Y	J		J	1800	35	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ACETOPHENONE	3/5/2014			Yes	N	U		U	1800	92	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	1800	110	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ATRAZINE	3/5/2014			Yes	N	U		U	1800	80	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BENZALDEHYDE	3/5/2014			Yes	N	U		U	1800	200	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BENZO(A)PYRENE	3/5/2014	630		Yes	Y	J		J	1800	43	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	1800	15	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	1800	22	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BENZO(K)FLUORANTHENE	3/5/2014	460		Yes	Y	J		J	1800	20	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	480	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	FLUORENE	3/5/2014			Yes	N	U		U	1800	41	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	120	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	3-NITROANILINE	3/5/2014			Yes	N	U		U	3500	410	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-002-0-2-20140225	480-55280-27	2-CHLORONAPHTHALENE	3/5/2014		Yes	N	U		U	1800	120	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2,6-DINITROTOLUENE	3/5/2014		Yes	N	U		U	1800	440	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2,4-DINITROTOLUENE	3/5/2014		Yes	N	U		U	1800	280	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2,4-DINITROPHENOL	3/5/2014		Yes	N	U		U	3500	630	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2-METHYLNAPHTHALENE	3/5/2014		Yes	N	U		U	1800	22	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2,4-DICHLOROPHENOL	3/5/2014		Yes	N	U		U	1800	94	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2-METHYLPHENOL (O-CRESOL)	3/5/2014		Yes	N	U		U	1800	55	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2,4,5-TRICHLOROPHENOL	3/5/2014		Yes	N	U		U	1800	390	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	4-CHLOROANILINE	3/5/2014		Yes	N	U		U	1800	530	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	PENTACHLOROPHENOL	3/5/2014		Yes	N	U		U	3500	620	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	PHENANTHRENE	3/5/2014	180	Yes	Y	J		J	1800	38	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	PHENOL	3/5/2014		Yes	N	U		U	1800	190	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	PYRENE	3/5/2014	680	Yes	Y	J	J	J	1800	12	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2,4-DIMETHYLPHENOL	3/5/2014		Yes	N	U		U	1800	490	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	N-NITROSODI-N-PROPYLAMINE	3/5/2014		Yes	N	U		U	1800	140	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	HEXACHLOROBUTADIENE	3/5/2014		Yes	N	U		U	1800	92	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	HEXACHLOROCYCLOPENTADIENE	3/5/2014		Yes	N	U		U	1800	540	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	HEXACHLOROETHANE	3/5/2014		Yes	N	U		U	1800	140	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	INDENO(1,2,3-C,D)PYRENE	3/5/2014		Yes	N	U		U	1800	50	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	ISOPHORONE	3/5/2014		Yes	N	U		U	1800	90	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2-CHLOROPHENOL	3/5/2014		Yes	N	U		U	1800	92	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	NITROBENZENE	3/5/2014		Yes	N	U		U	1800	80	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	HEXACHLOROBENZENE	3/5/2014		Yes	N	U		U	1800	89	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	N-NITROSODIPHENYLAMINE	3/5/2014		Yes	N	U		U	1800	98	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	4-CHLORO-3-METHYLPHENOL	3/5/2014		Yes	N	U		U	1800	74	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-002-0-2-20140225	480-55280-27	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	1800	570	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	3500	620	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	1800	1600	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	2-NITROANILINE	3/5/2014			Yes	N	U		U	3500	580	ug/kg
CC-GI-002-0-2-20140225	480-55280-27	NAPHTHALENE	3/5/2014			Yes	N	U		U	1800	30	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	1800	15	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	3500	620	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	PYRENE	3/5/2014	460		Yes	Y	J		J	1800	12	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	1800	55	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	1800	22	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	91	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	1800	120	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2-NITROPHENOL	3/5/2014			Yes	N	U		U	1800	81	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	1800	280	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	1800	1600	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	1800	480	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	93	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	120	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	1800	390	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	1800	21	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	4-NITROPHENOL	3/5/2014			Yes	N	U		U	3500	430	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	1800	440	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	3500	99	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	1800	35	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	1800	43	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-002-2-4-20140225	480-55280-28	BENZO(A)ANTHRACENE	3/5/2014	290	Yes	Y	J		J	1800	31	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BENZALDEHYDE	3/5/2014		Yes	N	U		U	1800	200	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ATRAZINE	3/5/2014		Yes	N	U		U	1800	79	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	2-NITROANILINE	3/5/2014		Yes	N	U		U	3500	570	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	4-NITROANILINE	3/5/2014		Yes	N	U		U	3500	200	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ACENAPHTHENE	3/5/2014		Yes	N	U		U	1800	21	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	4-CHLOROPHENYL PHENYL ETHER	3/5/2014		Yes	N	U		U	1800	38	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	4-CHLOROANILINE	3/5/2014		Yes	N	U		U	1800	520	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	4-CHLORO-3-METHYLPHENOL	3/5/2014		Yes	N	U		U	1800	73	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	4-BROMOPHENYL PHENYL ETHER	3/5/2014		Yes	N	U		U	1800	570	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	4,6-DINITRO-2-METHYLPHENOL	3/5/2014		Yes	N	U		U	3500	620	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	3-NITROANILINE	3/5/2014		Yes	N	U		U	3500	410	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ACETOPHENONE	3/5/2014		Yes	N	U		U	1800	91	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	PHENANTHRENE	3/5/2014	250	Yes	Y	J		J	1800	37	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	DIBENZ(A,H)ANTHRACENE	3/5/2014		Yes	N	U		U	1800	21	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	CHRYSENE	3/5/2014	260	Yes	Y	J		J	1800	18	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	CARBAZOLE	3/5/2014		Yes	N	U		U	1800	21	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	CAPROLACTAM	3/5/2014		Yes	N	U		U	1800	770	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014		Yes	N	U		U	1800	570	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	DIBENZOFURAN	3/5/2014		Yes	N	U		U	1800	19	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	PENTACHLOROPHENOL	3/5/2014		Yes	N	U		U	3500	610	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014		Yes	N	U		U	1800	150	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BIPHENYL (DIPHENYL)	3/5/2014		Yes	N	U		U	1800	110	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BENZYL BUTYL PHTHALATE	3/5/2014		Yes	N	U		U	1800	480	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BENZO(K)FLUORANTHENE	3/5/2014		Yes	N	U		U	1800	20	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-GI-002-2-4-20140225	480-55280-28	PHENOL	3/5/2014			Yes	N	U		U	1800	190	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ANTHRACENE	3/5/2014	62		Yes	Y	J		J	1800	46	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	1800	97	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	1800	190	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	1800	540	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	NITROBENZENE	3/5/2014			Yes	N	U		U	1800	79	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	1800	97	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	54	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	ISOPHORONE	3/5/2014			Yes	N	U		U	1800	89	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	NAPHTHALENE	3/5/2014			Yes	N	U		U	1800	30	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	1800	140	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	1800	91	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	1800	140	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	1800	89	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	FLUORENE	3/5/2014			Yes	N	U		U	1800	41	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	FLUORANTHENE	3/5/2014	390		Yes	Y	J		J	1800	26	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	1800	42	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	620	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	1800	47	ug/kg
CC-GI-002-2-4-20140225	480-55280-28	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	1800	49	ug/kg
DUP031-20140225	480-55280-10	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
DUP031-20140225	480-55280-10	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
DUP031-20140225	480-55280-10	3-NITROANILINE	3/5/2014			Yes	N	U		U	360	42	ug/kg
DUP031-20140225	480-55280-10	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
DUP031-20140225	480-55280-10	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.4	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
DUP031-20140225	480-55280-10	2-NITROANILINE	3/5/2014			Yes	N	U		U	360	59	ug/kg
DUP031-20140225	480-55280-10	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
DUP031-20140225	480-55280-10	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
DUP031-20140225	480-55280-10	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	45	ug/kg
DUP031-20140225	480-55280-10	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
DUP031-20140225	480-55280-10	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
DUP031-20140225	480-55280-10	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.6	ug/kg
DUP031-20140225	480-55280-10	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	40	ug/kg
DUP031-20140225	480-55280-10	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.5	ug/kg
DUP031-20140225	480-55280-10	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	54	ug/kg
DUP031-20140225	480-55280-10	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	49	ug/kg
DUP031-20140225	480-55280-10	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
DUP031-20140225	480-55280-10	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	58	ug/kg
DUP031-20140225	480-55280-10	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
DUP031-20140225	480-55280-10	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
DUP031-20140225	480-55280-10	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.8	ug/kg
DUP031-20140225	480-55280-10	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	63	ug/kg
DUP031-20140225	480-55280-10	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
DUP031-20140225	480-55280-10	FLUORANTHENE	3/5/2014	28		Yes	Y	J		J	180	2.7	ug/kg
DUP031-20140225	480-55280-10	FLUORENE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
DUP031-20140225	480-55280-10	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
DUP031-20140225	480-55280-10	CHRYSENE	3/5/2014	19		Yes	Y	J		J	180	1.8	ug/kg
DUP031-20140225	480-55280-10	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	55	ug/kg
DUP031-20140225	480-55280-10	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
DUP031-20140225	480-55280-10	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.1	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
DUP031-20140225	480-55280-10	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
DUP031-20140225	480-55280-10	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
DUP031-20140225	480-55280-10	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
DUP031-20140225	480-55280-10	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
DUP031-20140225	480-55280-10	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	10	ug/kg
DUP031-20140225	480-55280-10	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
DUP031-20140225	480-55280-10	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
DUP031-20140225	480-55280-10	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
DUP031-20140225	480-55280-10	PYRENE	3/5/2014	33		Yes	Y	J		J	180	1.2	ug/kg
DUP031-20140225	480-55280-10	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
DUP031-20140225	480-55280-10	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.4	ug/kg
DUP031-20140225	480-55280-10	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.9	ug/kg
DUP031-20140225	480-55280-10	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	360	10	ug/kg
DUP031-20140225	480-55280-10	4-NITROANILINE	3/5/2014			Yes	N	U		U	360	20	ug/kg
DUP031-20140225	480-55280-10	4-NITROPHENOL	3/5/2014			Yes	N	U		U	360	44	ug/kg
DUP031-20140225	480-55280-10	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
DUP031-20140225	480-55280-10	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
DUP031-20140225	480-55280-10	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
DUP031-20140225	480-55280-10	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
DUP031-20140225	480-55280-10	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
DUP031-20140225	480-55280-10	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
DUP031-20140225	480-55280-10	BENZO(A)ANTHRACENE	3/5/2014	16		Yes	Y	J		J	180	3.2	ug/kg
DUP031-20140225	480-55280-10	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
DUP031-20140225	480-55280-10	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
DUP031-20140225	480-55280-10	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg

SDG: 480552801

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
DUP031-20140225	480-55280-10	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
DUP031-20140225	480-55280-10	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	49	ug/kg
DUP031-20140225	480-55280-10	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
DUP031-20140225	480-55280-10	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	10	ug/kg
DUP031-20140225	480-55280-10	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
DUP031-20140225	480-55280-10	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
DUP031-20140225	480-55280-10	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	59	ug/kg
DUP031-20140225	480-55280-10	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	79	ug/kg
DUP031-20140225	480-55280-10	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
DUP031-20140225	480-55280-10	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.6	ug/kg
FB030-20140225	480-55280-20	CHRYSENE	3/3/2014			Yes	N	U		U	6.0	0.40	ug/l
FB030-20140225	480-55280-20	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	6.0	0.42	ug/l
FB030-20140225	480-55280-20	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	6.0	0.42	ug/l
FB030-20140225	480-55280-20	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	6.0	0.48	ug/l
FB030-20140225	480-55280-20	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	6.0	0.62	ug/l
FB030-20140225	480-55280-20	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014			Yes	N	U		U	6.0	2.2	ug/l
FB030-20140225	480-55280-20	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	6.0	0.81	ug/l
FB030-20140225	480-55280-20	CARBAZOLE	3/3/2014			Yes	N	U		U	6.0	0.36	ug/l
FB030-20140225	480-55280-20	4-NITROPHENOL	3/3/2014			Yes	N	U		U	12	1.8	ug/l
FB030-20140225	480-55280-20	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U		U	6.0	0.50	ug/l
FB030-20140225	480-55280-20	DIBENZOFURAN	3/3/2014			Yes	N	U		U	12	0.61	ug/l
FB030-20140225	480-55280-20	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	6.0	0.26	ug/l
FB030-20140225	480-55280-20	DI-N-BUTYL PHTHALATE	3/3/2014	0.52		Yes	Y	J		J	6.0	0.37	ug/l
FB030-20140225	480-55280-20	FLUORANTHENE	3/3/2014			Yes	N	U		U	6.0	0.48	ug/l

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB030-20140225	480-55280-20	FLUORENE	3/3/2014			Yes	N	U		U	6.0	0.43	ug/l
FB030-20140225	480-55280-20	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	6.0	0.61	ug/l
FB030-20140225	480-55280-20	CAPROLACTAM	3/3/2014			Yes	N	U		U	6.0	2.6	ug/l
FB030-20140225	480-55280-20	BENZALDEHYDE	3/3/2014			Yes	N	U		U	6.0	0.32	ug/l
FB030-20140225	480-55280-20	BIPHENYL (DIPHENYL)	3/3/2014			Yes	N	U		U	6.0	0.78	ug/l
FB030-20140225	480-55280-20	BENZYL BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	6.0	0.50	ug/l
FB030-20140225	480-55280-20	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U		U	6.0	0.87	ug/l
FB030-20140225	480-55280-20	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U		U	6.0	0.42	ug/l
FB030-20140225	480-55280-20	BENZO(B)FLUORANTHENE	3/3/2014			Yes	N	U		U	6.0	0.41	ug/l
FB030-20140225	480-55280-20	BENZO(A)PYRENE	3/3/2014			Yes	N	U		U	6.0	0.56	ug/l
FB030-20140225	480-55280-20	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	12	0.43	ug/l
FB030-20140225	480-55280-20	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	6.0	0.71	ug/l
FB030-20140225	480-55280-20	4-NITROANILINE	3/3/2014			Yes	N	U		U	12	0.30	ug/l
FB030-20140225	480-55280-20	ATRAZINE	3/3/2014			Yes	N	U		U	6.0	0.55	ug/l
FB030-20140225	480-55280-20	ANTHRACENE	3/3/2014			Yes	N	U		U	6.0	0.34	ug/l
FB030-20140225	480-55280-20	ACETOPHENONE	3/3/2014			Yes	N	U		U	6.0	0.65	ug/l
FB030-20140225	480-55280-20	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	6.0	0.46	ug/l
FB030-20140225	480-55280-20	ACENAPHTHENE	3/3/2014			Yes	N	U		U	6.0	0.49	ug/l
FB030-20140225	480-55280-20	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	6.0	0.56	ug/l
FB030-20140225	480-55280-20	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	6.0	0.43	ug/l
FB030-20140225	480-55280-20	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	6.0	0.48	ug/l
FB030-20140225	480-55280-20	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	6.0	0.43	ug/l
FB030-20140225	480-55280-20	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	6.0	0.60	ug/l
FB030-20140225	480-55280-20	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	12	2.7	ug/l
FB030-20140225	480-55280-20	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	6.0	0.54	ug/l

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB030-20140225	480-55280-20	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	6.0	0.48	ug/l
FB030-20140225	480-55280-20	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	6.0	0.55	ug/l
FB030-20140225	480-55280-20	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	6.0	0.73	ug/l
FB030-20140225	480-55280-20	2-METHYLNAPHTHALENE	3/3/2014			Yes	N	U		U	6.0	0.72	ug/l
FB030-20140225	480-55280-20	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	6.0	0.58	ug/l
FB030-20140225	480-55280-20	2-NITROANILINE	3/3/2014			Yes	N	U		U	12	0.50	ug/l
FB030-20140225	480-55280-20	2-NITROPHENOL	3/3/2014			Yes	N	U		U	6.0	0.58	ug/l
FB030-20140225	480-55280-20	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U		U	6.0	0.48	ug/l
FB030-20140225	480-55280-20	3-NITROANILINE	3/3/2014			Yes	N	U		U	12	0.58	ug/l
FB030-20140225	480-55280-20	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	12	2.6	ug/l
FB030-20140225	480-55280-20	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	6.0	0.54	ug/l
FB030-20140225	480-55280-20	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	6.0	0.54	ug/l
FB030-20140225	480-55280-20	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	6.0	0.64	ug/l
FB030-20140225	480-55280-20	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	6.0	0.65	ug/l
FB030-20140225	480-55280-20	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	6.0	0.71	ug/l
FB030-20140225	480-55280-20	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	6.0	0.71	ug/l
FB030-20140225	480-55280-20	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U		U	6.0	0.56	ug/l
FB030-20140225	480-55280-20	ISOPHORONE	3/3/2014			Yes	N	U		U	6.0	0.52	ug/l
FB030-20140225	480-55280-20	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	6.0	0.61	ug/l
FB030-20140225	480-55280-20	NITROBENZENE	3/3/2014			Yes	N	U		U	6.0	0.35	ug/l
FB030-20140225	480-55280-20	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	6.0	0.61	ug/l
FB030-20140225	480-55280-20	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	12	2.6	ug/l
FB030-20140225	480-55280-20	PHENANTHRENE	3/3/2014			Yes	N	U		U	6.0	0.53	ug/l
FB030-20140225	480-55280-20	PYRENE	3/3/2014			Yes	N	U		U	6.0	0.41	ug/l
FB030-20140225	480-55280-20	PHENOL	3/3/2014			Yes	N	U		U	6.0	0.47	ug/l

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB030-20140225	480-55280-20	NAPHTHALENE	3/3/2014			Yes	N	U		U	6.0	0.91	ug/l
LT-C-061-0-2-20140225	480-55280-1	4-NITROANILINE	3/5/2014			Yes	N	U		U	350	20	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	39	ug/kg
LT-C-061-0-2-20140225	480-55280-1	NITROBENZENE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-C-061-0-2-20140225	480-55280-1	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	4.9	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ISOPHORONE	3/5/2014			Yes	N	U		U	180	8.9	ug/kg
LT-C-061-0-2-20140225	480-55280-1	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	54	ug/kg
LT-C-061-0-2-20140225	480-55280-1	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-C-061-0-2-20140225	480-55280-1	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-061-0-2-20140225	480-55280-1	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-061-0-2-20140225	480-55280-1	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.4	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-C-061-0-2-20140225	480-55280-1	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	8.9	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.7	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	15	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014	110		Yes	Y	J		J	180	57	ug/kg
LT-C-061-0-2-20140225	480-55280-1	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	77	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-0-2-20140225	480-55280-1	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-061-0-2-20140225	480-55280-1	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-061-0-2-20140225	480-55280-1	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-C-061-0-2-20140225	480-55280-1	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-C-061-0-2-20140225	480-55280-1	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.7	ug/kg
LT-C-061-0-2-20140225	480-55280-1	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	350	61	ug/kg
LT-C-061-0-2-20140225	480-55280-1	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.7	ug/kg
LT-C-061-0-2-20140225	480-55280-1	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-061-0-2-20140225	480-55280-1	PYRENE	3/5/2014	17		Yes	Y	J		J	180	1.2	ug/kg
LT-C-061-0-2-20140225	480-55280-1	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	62	ug/kg
LT-C-061-0-2-20140225	480-55280-1	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-061-0-2-20140225	480-55280-1	FLUORANTHENE	3/5/2014	15		Yes	Y	J		J	180	2.6	ug/kg
LT-C-061-0-2-20140225	480-55280-1	FLUORENE	3/5/2014			Yes	N	U		U	180	4.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	9.9	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	57	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-061-0-2-20140225	480-55280-1	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	41	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-0-2-20140225	480-55280-1	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-C-061-0-2-20140225	480-55280-1	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	57	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-061-0-2-20140225	480-55280-1	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	52	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	4-NITROPHENOL	3/5/2014			Yes	N	U		U	350	43	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-C-061-0-2-20140225	480-55280-1	ATRAZINE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-061-0-2-20140225	480-55280-1	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-C-061-0-2-20140225	480-55280-1	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	44	ug/kg
LT-C-061-0-2-20140225	480-55280-1	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.3	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.0	ug/kg
LT-C-061-10-12-20140225	480-55280-3	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	41	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.0	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-061-10-12-20140225	480-55280-3	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-10-12-20140225	480-55280-3	4-NITROPHENOL	3/5/2014			Yes	N	U		U	350	44	ug/kg
LT-C-061-10-12-20140225	480-55280-3	4-NITROANILINE	3/5/2014			Yes	N	U		U	350	20	ug/kg
LT-C-061-10-12-20140225	480-55280-3	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	10	ug/kg
LT-C-061-10-12-20140225	480-55280-3	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-061-10-12-20140225	480-55280-3	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	53	ug/kg
LT-C-061-10-12-20140225	480-55280-3	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.4	ug/kg
LT-C-061-10-12-20140225	480-55280-3	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.0	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	39	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-C-061-10-12-20140225	480-55280-3	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	57	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-061-10-12-20140225	480-55280-3	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	58	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.2	ug/kg
LT-C-061-10-12-20140225	480-55280-3	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	44	ug/kg
LT-C-061-10-12-20140225	480-55280-3	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	63	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-10-12-20140225	480-55280-3	FLUORENE	3/5/2014			Yes	N	U		U	180	4.1	ug/kg
LT-C-061-10-12-20140225	480-55280-3	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	8.9	ug/kg
LT-C-061-10-12-20140225	480-55280-3	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
LT-C-061-10-12-20140225	480-55280-3	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	54	ug/kg
LT-C-061-10-12-20140225	480-55280-3	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-061-10-12-20140225	480-55280-3	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.0	ug/kg
LT-C-061-10-12-20140225	480-55280-3	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	62	ug/kg
LT-C-061-10-12-20140225	480-55280-3	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-C-061-10-12-20140225	480-55280-3	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-061-10-12-20140225	480-55280-3	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.8	ug/kg
LT-C-061-10-12-20140225	480-55280-3	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-C-061-10-12-20140225	480-55280-3	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-061-10-12-20140225	480-55280-3	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-061-10-12-20140225	480-55280-3	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-061-10-12-20140225	480-55280-3	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	78	ug/kg
LT-C-061-10-12-20140225	480-55280-3	PYRENE	3/5/2014			Yes	N	U		U	180	1.2	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.8	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
LT-C-061-10-12-20140225	480-55280-3	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014	130		Yes	Y	J		J	180	58	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-061-10-12-20140225	480-55280-3	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-061-10-12-20140225	480-55280-3	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-10-12-20140225	480-55280-3	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-061-10-12-20140225	480-55280-3	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-C-061-10-12-20140225	480-55280-3	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.4	ug/kg
LT-C-061-10-12-20140225	480-55280-3	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-061-10-12-20140225	480-55280-3	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
LT-C-061-4-6-20140225	480-55280-2	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.9	ug/kg
LT-C-061-4-6-20140225	480-55280-2	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	360	10	ug/kg
LT-C-061-4-6-20140225	480-55280-2	4-NITROANILINE	3/5/2014			Yes	N	U		U	360	21	ug/kg
LT-C-061-4-6-20140225	480-55280-2	4-NITROPHENOL	3/5/2014			Yes	N	U		U	360	45	ug/kg
LT-C-061-4-6-20140225	480-55280-2	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.6	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-061-4-6-20140225	480-55280-2	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.2	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.2	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.4	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.6	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	40	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	50	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-4-6-20140225	480-55280-2	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	45	ug/kg
LT-C-061-4-6-20140225	480-55280-2	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	54	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.6	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2-NITROANILINE	3/5/2014			Yes	N	U		U	360	59	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.4	ug/kg
LT-C-061-4-6-20140225	480-55280-2	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-061-4-6-20140225	480-55280-2	3-NITROANILINE	3/5/2014			Yes	N	U		U	360	42	ug/kg
LT-C-061-4-6-20140225	480-55280-2	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-061-4-6-20140225	480-55280-2	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-061-4-6-20140225	480-55280-2	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-061-4-6-20140225	480-55280-2	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
LT-C-061-4-6-20140225	480-55280-2	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	56	ug/kg
LT-C-061-4-6-20140225	480-55280-2	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-061-4-6-20140225	480-55280-2	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.1	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-061-4-6-20140225	480-55280-2	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-061-4-6-20140225	480-55280-2	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-C-061-4-6-20140225	480-55280-2	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	15	ug/kg
LT-C-061-4-6-20140225	480-55280-2	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	10	ug/kg
LT-C-061-4-6-20140225	480-55280-2	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-C-061-4-6-20140225	480-55280-2	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.9	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-061-4-6-20140225	480-55280-2	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-061-4-6-20140225	480-55280-2	PYRENE	3/5/2014			Yes	N	U		U	180	1.2	ug/kg
LT-C-061-4-6-20140225	480-55280-2	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
LT-C-061-4-6-20140225	480-55280-2	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.6	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	10	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014	77		Yes	Y	J		J	180	59	ug/kg
LT-C-061-4-6-20140225	480-55280-2	FLUORENE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-061-4-6-20140225	480-55280-2	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-061-4-6-20140225	480-55280-2	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.7	ug/kg
LT-C-061-4-6-20140225	480-55280-2	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-061-4-6-20140225	480-55280-2	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-C-061-4-6-20140225	480-55280-2	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-C-061-4-6-20140225	480-55280-2	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.8	ug/kg
LT-C-061-4-6-20140225	480-55280-2	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	63	ug/kg
LT-C-061-4-6-20140225	480-55280-2	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-061-4-6-20140225	480-55280-2	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	79	ug/kg
LT-C-061-4-6-20140225	480-55280-2	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
LT-C-062-0-2-20140225	480-55280-11	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-062-0-2-20140225	480-55280-11	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	77	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	57	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-0-2-20140225	480-55280-11	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	15	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.7	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-062-0-2-20140225	480-55280-11	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-C-062-0-2-20140225	480-55280-11	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ATRAZINE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.5	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	4-NITROPHENOL	3/5/2014			Yes	N	U		U	350	43	ug/kg
LT-C-062-0-2-20140225	480-55280-11	4-NITROANILINE	3/5/2014			Yes	N	U		U	350	20	ug/kg
LT-C-062-0-2-20140225	480-55280-11	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	9.9	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	54	ug/kg
LT-C-062-0-2-20140225	480-55280-11	PYRENE	3/5/2014			Yes	N	U		U	180	1.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-062-0-2-20140225	480-55280-11	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.7	ug/kg
LT-C-062-0-2-20140225	480-55280-11	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	350	61	ug/kg
LT-C-062-0-2-20140225	480-55280-11	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.7	ug/kg
LT-C-062-0-2-20140225	480-55280-11	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-0-2-20140225	480-55280-11	NITROBENZENE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-C-062-0-2-20140225	480-55280-11	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-C-062-0-2-20140225	480-55280-11	ISOPHORONE	3/5/2014			Yes	N	U		U	180	8.9	ug/kg
LT-C-062-0-2-20140225	480-55280-11	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	8.8	ug/kg
LT-C-062-0-2-20140225	480-55280-11	FLUORENE	3/5/2014			Yes	N	U		U	180	4.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-C-062-0-2-20140225	480-55280-11	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-062-0-2-20140225	480-55280-11	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	61	ug/kg
LT-C-062-0-2-20140225	480-55280-11	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-C-062-0-2-20140225	480-55280-11	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.4	ug/kg
LT-C-062-0-2-20140225	480-55280-11	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-062-0-2-20140225	480-55280-11	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	4.9	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	27	ug/kg
LT-C-062-0-2-20140225	480-55280-11	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	52	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	39	ug/kg
LT-C-062-0-2-20140225	480-55280-11	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.4	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	43	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-0-2-20140225	480-55280-11	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.0	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	57	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-062-0-2-20140225	480-55280-11	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-062-0-2-20140225	480-55280-11	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	41	ug/kg
LT-C-062-0-2-20140225	480-55280-11	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.3	ug/kg
LT-C-062-0-2-20140225	480-55280-11	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	57	ug/kg
LT-C-062-0-2-20140225	480-55280-11	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-C-062-0-2-20140225	480-55280-11	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	61	ug/kg
LT-C-062-2-4-20140225	480-55280-12	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.4	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-C-062-2-4-20140225	480-55280-12	FLUORENE	3/5/2014			Yes	N	U		U	180	4.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-C-062-2-4-20140225	480-55280-12	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-C-062-2-4-20140225	480-55280-12	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-062-2-4-20140225	480-55280-12	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	61	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ATRAZINE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.5	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-2-4-20140225	480-55280-12	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.4	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	4-NITROPHENOL	3/5/2014			Yes	N	U		U	350	43	ug/kg
LT-C-062-2-4-20140225	480-55280-12	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	9.9	ug/kg
LT-C-062-2-4-20140225	480-55280-12	NITROBENZENE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-C-062-2-4-20140225	480-55280-12	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	52	ug/kg
LT-C-062-2-4-20140225	480-55280-12	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.3	ug/kg
LT-C-062-2-4-20140225	480-55280-12	4-NITROANILINE	3/5/2014			Yes	N	U		U	350	20	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-C-062-2-4-20140225	480-55280-12	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	8.8	ug/kg
LT-C-062-2-4-20140225	480-55280-12	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.9	ug/kg
LT-C-062-2-4-20140225	480-55280-12	ISOPHORONE	3/5/2014			Yes	N	U		U	180	8.9	ug/kg
LT-C-062-2-4-20140225	480-55280-12	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	56	ug/kg
LT-C-062-2-4-20140225	480-55280-12	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	4.9	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	57	ug/kg
LT-C-062-2-4-20140225	480-55280-12	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-062-2-4-20140225	480-55280-12	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	54	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.4	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.7	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-C-062-2-4-20140225	480-55280-12	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.6	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	15	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-2-4-20140225	480-55280-12	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-062-2-4-20140225	480-55280-12	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	350	61	ug/kg
LT-C-062-2-4-20140225	480-55280-12	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.7	ug/kg
LT-C-062-2-4-20140225	480-55280-12	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-062-2-4-20140225	480-55280-12	PYRENE	3/5/2014			Yes	N	U		U	180	1.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-062-2-4-20140225	480-55280-12	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	77	ug/kg
LT-C-062-2-4-20140225	480-55280-12	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-062-2-4-20140225	480-55280-12	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	61	ug/kg
LT-C-062-2-4-20140225	480-55280-12	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	27	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	43	ug/kg
LT-C-062-2-4-20140225	480-55280-12	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	41	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.0	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.4	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	57	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-062-2-4-20140225	480-55280-12	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-062-2-4-20140225	480-55280-12	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-2-4-20140225	480-55280-12	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	39	ug/kg
LT-C-062-6-8-20140225	480-55280-13	4-NITROANILINE	3/5/2014			Yes	N	U		U	350	20	ug/kg
LT-C-062-6-8-20140225	480-55280-13	4-NITROPHENOL	3/5/2014			Yes	N	U		U	350	44	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-C-062-6-8-20140225	480-55280-13	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.4	ug/kg
LT-C-062-6-8-20140225	480-55280-13	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	10	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.6	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-062-6-8-20140225	480-55280-13	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.9	ug/kg
LT-C-062-6-8-20140225	480-55280-13	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	53	ug/kg
LT-C-062-6-8-20140225	480-55280-13	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.5	ug/kg
LT-C-062-6-8-20140225	480-55280-13	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-C-062-6-8-20140225	480-55280-13	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	63	ug/kg
LT-C-062-6-8-20140225	480-55280-13	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	42	ug/kg
LT-C-062-6-8-20140225	480-55280-13	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	58	ug/kg
LT-C-062-6-8-20140225	480-55280-13	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.3	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-6-8-20140225	480-55280-13	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-062-6-8-20140225	480-55280-13	PYRENE	3/5/2014			Yes	N	U		U	180	1.2	ug/kg
LT-C-062-6-8-20140225	480-55280-13	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-062-6-8-20140225	480-55280-13	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-C-062-6-8-20140225	480-55280-13	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.9	ug/kg
LT-C-062-6-8-20140225	480-55280-13	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-062-6-8-20140225	480-55280-13	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.0	ug/kg
LT-C-062-6-8-20140225	480-55280-13	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-C-062-6-8-20140225	480-55280-13	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-062-6-8-20140225	480-55280-13	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	63	ug/kg
LT-C-062-6-8-20140225	480-55280-13	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-C-062-6-8-20140225	480-55280-13	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-062-6-8-20140225	480-55280-13	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-062-6-8-20140225	480-55280-13	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-062-6-8-20140225	480-55280-13	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	78	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.9	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-C-062-6-8-20140225	480-55280-13	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-062-6-8-20140225	480-55280-13	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.5	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-062-6-8-20140225	480-55280-13	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-062-6-8-20140225	480-55280-13	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-C-062-6-8-20140225	480-55280-13	FLUORENE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-062-6-8-20140225	480-55280-13	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	9.0	ug/kg
LT-C-062-6-8-20140225	480-55280-13	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-062-6-8-20140225	480-55280-13	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	55	ug/kg
LT-C-062-6-8-20140225	480-55280-13	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.0	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.5	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	44	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-C-062-6-8-20140225	480-55280-13	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	40	ug/kg
LT-C-062-6-8-20140225	480-55280-13	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	63	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-C-063-0-2-20140225	480-55280-14	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	79	ug/kg
LT-C-063-0-2-20140225	480-55280-14	4-NITROPHENOL	3/5/2014			Yes	N	U		U	360	44	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.9	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	49	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-0-2-20140225	480-55280-14	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.4	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-063-0-2-20140225	480-55280-14	4-NITROANILINE	3/5/2014			Yes	N	U		U	360	20	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	40	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-063-0-2-20140225	480-55280-14	FLUORENE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-063-0-2-20140225	480-55280-14	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	55	ug/kg
LT-C-063-0-2-20140225	480-55280-14	PYRENE	3/5/2014			Yes	N	U		U	180	1.2	ug/kg
LT-C-063-0-2-20140225	480-55280-14	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-063-0-2-20140225	480-55280-14	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-063-0-2-20140225	480-55280-14	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	360	62	ug/kg
LT-C-063-0-2-20140225	480-55280-14	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	10	ug/kg
LT-C-063-0-2-20140225	480-55280-14	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-063-0-2-20140225	480-55280-14	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-063-0-2-20140225	480-55280-14	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-C-063-0-2-20140225	480-55280-14	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-063-0-2-20140225	480-55280-14	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-C-063-0-2-20140225	480-55280-14	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-063-0-2-20140225	480-55280-14	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-0-2-20140225	480-55280-14	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-063-0-2-20140225	480-55280-14	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	9.0	ug/kg
LT-C-063-0-2-20140225	480-55280-14	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	59	ug/kg
LT-C-063-0-2-20140225	480-55280-14	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.3	ug/kg
LT-C-063-0-2-20140225	480-55280-14	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	63	ug/kg
LT-C-063-0-2-20140225	480-55280-14	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.8	ug/kg
LT-C-063-0-2-20140225	480-55280-14	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-C-063-0-2-20140225	480-55280-14	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-C-063-0-2-20140225	480-55280-14	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-063-0-2-20140225	480-55280-14	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.0	ug/kg
LT-C-063-0-2-20140225	480-55280-14	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	360	10	ug/kg
LT-C-063-0-2-20140225	480-55280-14	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2-NITROANILINE	3/5/2014			Yes	N	U		U	360	58	ug/kg
LT-C-063-0-2-20140225	480-55280-14	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-063-0-2-20140225	480-55280-14	3-NITROANILINE	3/5/2014			Yes	N	U		U	360	42	ug/kg
LT-C-063-0-2-20140225	480-55280-14	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-C-063-0-2-20140225	480-55280-14	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-C-063-0-2-20140225	480-55280-14	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.5	ug/kg
LT-C-063-0-2-20140225	480-55280-14	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.9	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	45	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.6	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-063-0-2-20140225	480-55280-14	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	53	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-0-2-20140225	480-55280-14	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.5	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-C-063-0-2-20140225	480-55280-14	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	170	1.4	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	170	2.1	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	170	3.4	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	170	4.2	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	170	3.0	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BENZALDEHYDE	3/5/2014			Yes	N	U		U	170	19	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ATRAZINE	3/5/2014			Yes	N	U		U	170	7.7	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ANTHRACENE	3/5/2014			Yes	N	U		U	170	4.4	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	170	46	ug/kg
LT-C-063-2-4-20140225	480-55280-15	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	170	13	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	170	11	ug/kg
LT-C-063-2-4-20140225	480-55280-15	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	170	4.8	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ACENAPHTHENE	3/5/2014			Yes	N	U		U	170	2.0	ug/kg
LT-C-063-2-4-20140225	480-55280-15	4-NITROPHENOL	3/5/2014			Yes	N	U		U	340	42	ug/kg
LT-C-063-2-4-20140225	480-55280-15	4-NITROANILINE	3/5/2014			Yes	N	U		U	340	19	ug/kg
LT-C-063-2-4-20140225	480-55280-15	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	340	9.6	ug/kg
LT-C-063-2-4-20140225	480-55280-15	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	170	3.7	ug/kg
LT-C-063-2-4-20140225	480-55280-15	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	170	51	ug/kg
LT-C-063-2-4-20140225	480-55280-15	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	170	7.1	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-2-4-20140225	480-55280-15	ACETOPHENONE	3/5/2014			Yes	N	U		U	170	8.9	ug/kg
LT-C-063-2-4-20140225	480-55280-15	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	170	4.0	ug/kg
LT-C-063-2-4-20140225	480-55280-15	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	170	4.5	ug/kg
LT-C-063-2-4-20140225	480-55280-15	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	170	5.2	ug/kg
LT-C-063-2-4-20140225	480-55280-15	DIBENZOFURAN	3/5/2014			Yes	N	U		U	170	1.8	ug/kg
LT-C-063-2-4-20140225	480-55280-15	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	170	2.0	ug/kg
LT-C-063-2-4-20140225	480-55280-15	CHRYSENE	3/5/2014			Yes	N	U		U	170	1.7	ug/kg
LT-C-063-2-4-20140225	480-55280-15	CARBAZOLE	3/5/2014			Yes	N	U		U	170	2.0	ug/kg
LT-C-063-2-4-20140225	480-55280-15	CAPROLACTAM	3/5/2014			Yes	N	U		U	170	75	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014	77		Yes	Y	J		J	170	56	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	170	1.9	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	340	61	ug/kg
LT-C-063-2-4-20140225	480-55280-15	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	170	60	ug/kg
LT-C-063-2-4-20140225	480-55280-15	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	170	55	ug/kg
LT-C-063-2-4-20140225	480-55280-15	FLUORANTHENE	3/5/2014			Yes	N	U		U	170	2.5	ug/kg
LT-C-063-2-4-20140225	480-55280-15	FLUORENE	3/5/2014			Yes	N	U		U	170	4.0	ug/kg
LT-C-063-2-4-20140225	480-55280-15	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	170	8.6	ug/kg
LT-C-063-2-4-20140225	480-55280-15	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	170	8.9	ug/kg
LT-C-063-2-4-20140225	480-55280-15	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	170	52	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	170	15	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	170	9.4	ug/kg
LT-C-063-2-4-20140225	480-55280-15	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	170	18	ug/kg
LT-C-063-2-4-20140225	480-55280-15	NITROBENZENE	3/5/2014			Yes	N	U		U	170	7.7	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	170	42	ug/kg
LT-C-063-2-4-20140225	480-55280-15	NAPHTHALENE	3/5/2014			Yes	N	U		U	170	2.9	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-2-4-20140225	480-55280-15	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	340	60	ug/kg
LT-C-063-2-4-20140225	480-55280-15	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	170	14	ug/kg
LT-C-063-2-4-20140225	480-55280-15	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	170	9.5	ug/kg
LT-C-063-2-4-20140225	480-55280-15	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	340	59	ug/kg
LT-C-063-2-4-20140225	480-55280-15	PHENANTHRENE	3/5/2014			Yes	N	U		U	170	3.6	ug/kg
LT-C-063-2-4-20140225	480-55280-15	PHENOL	3/5/2014			Yes	N	U		U	170	18	ug/kg
LT-C-063-2-4-20140225	480-55280-15	PYRENE	3/5/2014			Yes	N	U		U	170	1.1	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	170	38	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	170	11	ug/kg
LT-C-063-2-4-20140225	480-55280-15	3-NITROANILINE	3/5/2014			Yes	N	U		U	340	40	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	170	47	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	170	27	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	170	12	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	170	8.8	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	170	2.1	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	170	5.3	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2-NITROANILINE	3/5/2014			Yes	N	U		U	340	55	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2-NITROPHENOL	3/5/2014			Yes	N	U		U	170	7.9	ug/kg
LT-C-063-2-4-20140225	480-55280-15	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	170	150	ug/kg
LT-C-063-2-4-20140225	480-55280-15	ISOPHORONE	3/5/2014			Yes	N	U		U	170	8.6	ug/kg
LT-C-063-2-4-20140225	480-55280-15	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	170	9.1	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	49	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-6-8-20140225	480-55280-16	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.2	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.4	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	40	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-063-6-8-20140225	480-55280-16	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.9	ug/kg
LT-C-063-6-8-20140225	480-55280-16	3-NITROANILINE	3/5/2014			Yes	N	U		U	360	42	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
LT-C-063-6-8-20140225	480-55280-16	PYRENE	3/5/2014			Yes	N	U		U	180	1.2	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-063-6-8-20140225	480-55280-16	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	59	ug/kg
LT-C-063-6-8-20140225	480-55280-16	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	79	ug/kg
LT-C-063-6-8-20140225	480-55280-16	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	45	ug/kg
LT-C-063-6-8-20140225	480-55280-16	4-NITROPHENOL	3/5/2014			Yes	N	U		U	360	44	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-063-6-8-20140225	480-55280-16	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-C-063-6-8-20140225	480-55280-16	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.5	ug/kg
LT-C-063-6-8-20140225	480-55280-16	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	54	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-6-8-20140225	480-55280-16	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.9	ug/kg
LT-C-063-6-8-20140225	480-55280-16	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	360	10	ug/kg
LT-C-063-6-8-20140225	480-55280-16	4-NITROANILINE	3/5/2014			Yes	N	U		U	360	20	ug/kg
LT-C-063-6-8-20140225	480-55280-16	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-063-6-8-20140225	480-55280-16	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.6	ug/kg
LT-C-063-6-8-20140225	480-55280-16	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	55	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
LT-C-063-6-8-20140225	480-55280-16	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
LT-C-063-6-8-20140225	480-55280-16	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-063-6-8-20140225	480-55280-16	FLUORENE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-063-6-8-20140225	480-55280-16	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-C-063-6-8-20140225	480-55280-16	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-C-063-6-8-20140225	480-55280-16	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.1	ug/kg
LT-C-063-6-8-20140225	480-55280-16	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.8	ug/kg
LT-C-063-6-8-20140225	480-55280-16	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-063-6-8-20140225	480-55280-16	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-C-063-6-8-20140225	480-55280-16	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-063-6-8-20140225	480-55280-16	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.4	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2-NITROANILINE	3/5/2014			Yes	N	U		U	360	59	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.6	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-063-6-8-20140225	480-55280-16	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	63	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-063-6-8-20140225	480-55280-16	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-063-6-8-20140225	480-55280-16	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-063-6-8-20140225	480-55280-16	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-C-063-6-8-20140225	480-55280-16	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-C-063-6-8-20140225	480-55280-16	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-C-063-6-8-20140225	480-55280-16	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	10	ug/kg
LT-C-063-6-8-20140225	480-55280-16	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-063-6-8-20140225	480-55280-16	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-063-6-8-20140225	480-55280-16	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2-NITROPHENOL	3/5/2014			Yes	N	U		U	190	8.4	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	360	65	ug/kg
LT-C-069-0-2-20140225	480-55280-17	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
LT-C-069-0-2-20140225	480-55280-17	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	190	59	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	190	29	ug/kg
LT-C-069-0-2-20140225	480-55280-17	3-NITROANILINE	3/5/2014			Yes	N	U		U	360	42	ug/kg
LT-C-069-0-2-20140225	480-55280-17	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	190	5.1	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	190	12	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	190	50	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2-NITROANILINE	3/5/2014			Yes	N	U		U	360	59	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	190	5.7	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	190	45	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-0-2-20140225	480-55280-17	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	190	160	ug/kg
LT-C-069-0-2-20140225	480-55280-17	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	190	7.6	ug/kg
LT-C-069-0-2-20140225	480-55280-17	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	190	56	ug/kg
LT-C-069-0-2-20140225	480-55280-17	CHRYSENE	3/5/2014			Yes	N	U		U	190	1.8	ug/kg
LT-C-069-0-2-20140225	480-55280-17	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-069-0-2-20140225	480-55280-17	DIBENZOFURAN	3/5/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-069-0-2-20140225	480-55280-17	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	190	5.6	ug/kg
LT-C-069-0-2-20140225	480-55280-17	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-069-0-2-20140225	480-55280-17	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	190	64	ug/kg
LT-C-069-0-2-20140225	480-55280-17	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-069-0-2-20140225	480-55280-17	FLUORANTHENE	3/5/2014			Yes	N	U		U	190	2.7	ug/kg
LT-C-069-0-2-20140225	480-55280-17	FLUORENE	3/5/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-069-0-2-20140225	480-55280-17	CAPROLACTAM	3/5/2014			Yes	N	U		U	190	80	ug/kg
LT-C-069-0-2-20140225	480-55280-17	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	190	60	ug/kg
LT-C-069-0-2-20140225	480-55280-17	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	190	14	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ISOPHORONE	3/5/2014			Yes	N	U		U	190	9.2	ug/kg
LT-C-069-0-2-20140225	480-55280-17	NAPHTHALENE	3/5/2014			Yes	N	U		U	190	3.1	ug/kg
LT-C-069-0-2-20140225	480-55280-17	NITROBENZENE	3/5/2014			Yes	N	U		U	190	8.2	ug/kg
LT-C-069-0-2-20140225	480-55280-17	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	190	15	ug/kg
LT-C-069-0-2-20140225	480-55280-17	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	190	10	ug/kg
LT-C-069-0-2-20140225	480-55280-17	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-C-069-0-2-20140225	480-55280-17	PHENANTHRENE	3/5/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-069-0-2-20140225	480-55280-17	PHENOL	3/5/2014			Yes	N	U		U	190	19	ug/kg
LT-C-069-0-2-20140225	480-55280-17	PYRENE	3/5/2014			Yes	N	U		U	190	1.2	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-0-2-20140225	480-55280-17	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	190	9.2	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ATRAZINE	3/5/2014			Yes	N	U		U	190	8.2	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	190	12	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	190	40	ug/kg
LT-C-069-0-2-20140225	480-55280-17	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	190	54	ug/kg
LT-C-069-0-2-20140225	480-55280-17	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-069-0-2-20140225	480-55280-17	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	360	10	ug/kg
LT-C-069-0-2-20140225	480-55280-17	4-NITROANILINE	3/5/2014			Yes	N	U		U	360	21	ug/kg
LT-C-069-0-2-20140225	480-55280-17	4-NITROPHENOL	3/5/2014			Yes	N	U		U	360	45	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ACENAPHTHENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	190	1.5	ug/kg
LT-C-069-0-2-20140225	480-55280-17	CARBAZOLE	3/5/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-069-0-2-20140225	480-55280-17	ANTHRACENE	3/5/2014			Yes	N	U		U	190	4.7	ug/kg
LT-C-069-0-2-20140225	480-55280-17	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BENZALDEHYDE	3/5/2014			Yes	N	U		U	190	20	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	190	3.6	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	190	50	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	190	12	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	190	10	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	190	16	ug/kg
LT-C-069-0-2-20140225	480-55280-17	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	190	19	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-0-2-20140225	480-55280-17	ACETOPHENONE	3/5/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.4	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-069-4-6-20140225	480-55280-18	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-069-4-6-20140225	480-55280-18	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.0	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	58	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.3	ug/kg
LT-C-069-4-6-20140225	480-55280-18	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-069-4-6-20140225	480-55280-18	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	42	ug/kg
LT-C-069-4-6-20140225	480-55280-18	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	63	ug/kg
LT-C-069-4-6-20140225	480-55280-18	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-C-069-4-6-20140225	480-55280-18	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-C-069-4-6-20140225	480-55280-18	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	63	ug/kg
LT-C-069-4-6-20140225	480-55280-18	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-069-4-6-20140225	480-55280-18	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-069-4-6-20140225	480-55280-18	4-NITROPHENOL	3/5/2014			Yes	N	U		U	350	44	ug/kg
LT-C-069-4-6-20140225	480-55280-18	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-C-069-4-6-20140225	480-55280-18	FLUORENE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-4-6-20140225	480-55280-18	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-069-4-6-20140225	480-55280-18	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	9.0	ug/kg
LT-C-069-4-6-20140225	480-55280-18	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	10	ug/kg
LT-C-069-4-6-20140225	480-55280-18	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.9	ug/kg
LT-C-069-4-6-20140225	480-55280-18	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	53	ug/kg
LT-C-069-4-6-20140225	480-55280-18	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.5	ug/kg
LT-C-069-4-6-20140225	480-55280-18	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	55	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-069-4-6-20140225	480-55280-18	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-069-4-6-20140225	480-55280-18	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-C-069-4-6-20140225	480-55280-18	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-C-069-4-6-20140225	480-55280-18	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-069-4-6-20140225	480-55280-18	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-069-4-6-20140225	480-55280-18	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-069-4-6-20140225	480-55280-18	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	78	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.9	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-C-069-4-6-20140225	480-55280-18	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.6	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	40	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-4-6-20140225	480-55280-18	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	44	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	63	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-C-069-4-6-20140225	480-55280-18	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-069-4-6-20140225	480-55280-18	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.0	ug/kg
LT-C-069-4-6-20140225	480-55280-18	PYRENE	3/5/2014			Yes	N	U		U	180	1.2	ug/kg
LT-C-069-4-6-20140225	480-55280-18	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-069-4-6-20140225	480-55280-18	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-069-4-6-20140225	480-55280-18	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-C-069-4-6-20140225	480-55280-18	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.9	ug/kg
LT-C-069-4-6-20140225	480-55280-18	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-069-4-6-20140225	480-55280-18	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.5	ug/kg
LT-C-069-4-6-20140225	480-55280-18	4-NITROANILINE	3/5/2014			Yes	N	U		U	350	20	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-069-6-8-20140225	480-55280-19	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	8.9	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.0	ug/kg
LT-C-069-6-8-20140225	480-55280-19	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-069-6-8-20140225	480-55280-19	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	54	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-6-8-20140225	480-55280-19	ACETOPHENONE	3/5/2014		Yes	N	U		U	180	9.2	ug/kg
LT-C-069-6-8-20140225	480-55280-19	CHRYSENE	3/5/2014		Yes	N	U		U	180	1.8	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BENZO(G,H,I)PERYLENE	3/5/2014		Yes	N	U		U	180	2.2	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ACENAPHTHENE	3/5/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-069-6-8-20140225	480-55280-19	4-NITROPHENOL	3/5/2014		Yes	N	U		U	350	43	ug/kg
LT-C-069-6-8-20140225	480-55280-19	4-NITROANILINE	3/5/2014		Yes	N	U		U	350	20	ug/kg
LT-C-069-6-8-20140225	480-55280-19	4-CHLOROPHENYL PHENYL ETHER	3/5/2014		Yes	N	U		U	180	3.8	ug/kg
LT-C-069-6-8-20140225	480-55280-19	4-CHLORO-3-METHYLPHENOL	3/5/2014		Yes	N	U		U	180	7.4	ug/kg
LT-C-069-6-8-20140225	480-55280-19	HEXACHLOROBUTADIENE	3/5/2014		Yes	N	U		U	180	9.2	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ANTHRACENE	3/5/2014		Yes	N	U		U	180	4.6	ug/kg
LT-C-069-6-8-20140225	480-55280-19	DI-N-OCTYLPHTHALATE	3/5/2014		Yes	N	U		U	180	4.2	ug/kg
LT-C-069-6-8-20140225	480-55280-19	DIMETHYL PHTHALATE	3/5/2014		Yes	N	U		U	180	4.7	ug/kg
LT-C-069-6-8-20140225	480-55280-19	DIETHYL PHTHALATE	3/5/2014		Yes	N	U		U	180	5.4	ug/kg
LT-C-069-6-8-20140225	480-55280-19	DIBENZOFURAN	3/5/2014		Yes	N	U		U	180	1.9	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BENZO(K)FLUORANTHENE	3/5/2014		Yes	N	U		U	180	2.0	ug/kg
LT-C-069-6-8-20140225	480-55280-19	PYRENE	3/5/2014		Yes	N	U		U	180	1.2	ug/kg
LT-C-069-6-8-20140225	480-55280-19	PHENOL	3/5/2014		Yes	N	U		U	180	19	ug/kg
LT-C-069-6-8-20140225	480-55280-19	PHENANTHRENE	3/5/2014		Yes	N	U		U	180	3.8	ug/kg
LT-C-069-6-8-20140225	480-55280-19	PENTACHLOROPHENOL	3/5/2014		Yes	N	U		U	350	61	ug/kg
LT-C-069-6-8-20140225	480-55280-19	FLUORENE	3/5/2014		Yes	N	U		U	180	4.1	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BENZYL BUTYL PHTHALATE	3/5/2014		Yes	N	U		U	180	48	ug/kg
LT-C-069-6-8-20140225	480-55280-19	FLUORANTHENE	3/5/2014		Yes	N	U		U	180	2.6	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BIPHENYL (DIPHENYL)	3/5/2014		Yes	N	U		U	180	11	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BIS(2-CHLOROETHOXY) METHANE	3/5/2014		Yes	N	U		U	180	9.8	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014		Yes	N	U		U	180	15	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-6-8-20140225	480-55280-19	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-C-069-6-8-20140225	480-55280-19	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-C-069-6-8-20140225	480-55280-19	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	78	ug/kg
LT-C-069-6-8-20140225	480-55280-19	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-069-6-8-20140225	480-55280-19	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	53	ug/kg
LT-C-069-6-8-20140225	480-55280-19	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.8	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.2	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-069-6-8-20140225	480-55280-19	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	62	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	44	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-C-069-6-8-20140225	480-55280-19	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	10	ug/kg
LT-C-069-6-8-20140225	480-55280-19	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	39	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	63	ug/kg
LT-C-069-6-8-20140225	480-55280-19	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-C-069-6-8-20140225	480-55280-19	NITROBENZENE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-C-069-6-8-20140225	480-55280-19	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.0	ug/kg
LT-C-069-6-8-20140225	480-55280-19	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	57	ug/kg
LT-C-069-6-8-20140225	480-55280-19	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.0	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-069-6-8-20140225	480-55280-19	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	58	ug/kg
LT-C-069-6-8-20140225	480-55280-19	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-C-069-6-8-20140225	480-55280-19	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	41	ug/kg
LT-C-069-6-8-20140225	480-55280-19	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-C-069-6-8-20140225	480-55280-19	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-036-0-2-20140225	480-55280-4	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	41	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-036-0-2-20140225	480-55280-4	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	57	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	44	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-G-036-0-2-20140225	480-55280-4	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	53	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	63	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.2	ug/kg
LT-G-036-0-2-20140225	480-55280-4	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-G-036-0-2-20140225	480-55280-4	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-G-036-0-2-20140225	480-55280-4	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	10	ug/kg
LT-G-036-0-2-20140225	480-55280-4	4-NITROPHENOL	3/5/2014			Yes	N	U		U	350	43	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.4	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-0-2-20140225	480-55280-4	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-036-0-2-20140225	480-55280-4	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	57	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	39	ug/kg
LT-G-036-0-2-20140225	480-55280-4	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-G-036-0-2-20140225	480-55280-4	4-NITROANILINE	3/5/2014			Yes	N	U		U	350	20	ug/kg
LT-G-036-0-2-20140225	480-55280-4	NITROBENZENE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-G-036-0-2-20140225	480-55280-4	FLUORENE	3/5/2014			Yes	N	U		U	180	4.1	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-G-036-0-2-20140225	480-55280-4	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
LT-G-036-0-2-20140225	480-55280-4	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	54	ug/kg
LT-G-036-0-2-20140225	480-55280-4	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-036-0-2-20140225	480-55280-4	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.0	ug/kg
LT-G-036-0-2-20140225	480-55280-4	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-G-036-0-2-20140225	480-55280-4	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-G-036-0-2-20140225	480-55280-4	FLUORANTHENE	3/5/2014	11		Yes	Y	J		J	180	2.6	ug/kg
LT-G-036-0-2-20140225	480-55280-4	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-036-0-2-20140225	480-55280-4	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.8	ug/kg
LT-G-036-0-2-20140225	480-55280-4	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	350	61	ug/kg
LT-G-036-0-2-20140225	480-55280-4	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-G-036-0-2-20140225	480-55280-4	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-G-036-0-2-20140225	480-55280-4	PYRENE	3/5/2014	14		Yes	Y	J		J	180	1.2	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
LT-G-036-0-2-20140225	480-55280-4	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.4	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.0	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-0-2-20140225	480-55280-4	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.8	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-G-036-0-2-20140225	480-55280-4	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.0	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-G-036-0-2-20140225	480-55280-4	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	8.9	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-G-036-0-2-20140225	480-55280-4	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	62	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	15	ug/kg
LT-G-036-0-2-20140225	480-55280-4	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-G-036-0-2-20140225	480-55280-4	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-G-036-0-2-20140225	480-55280-4	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.4	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-G-036-0-2-20140225	480-55280-4	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-036-0-2-20140225	480-55280-4	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-G-036-0-2-20140225	480-55280-4	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-036-0-2-20140225	480-55280-4	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	78	ug/kg
LT-G-036-0-2-20140225	480-55280-4	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-G-036-2-4-20140225	480-55280-5	3-NITROANILINE	3/5/2014			Yes	N	U		U	370	43	ug/kg
LT-G-036-2-4-20140225	480-55280-5	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	370	64	ug/kg
LT-G-036-2-4-20140225	480-55280-5	PHENANTHRENE	3/5/2014			Yes	N	U		U	190	3.9	ug/kg
LT-G-036-2-4-20140225	480-55280-5	PHENOL	3/5/2014			Yes	N	U		U	190	20	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-2-4-20140225	480-55280-5	PYRENE	3/5/2014	30		Yes	Y	J		J	190	1.2	ug/kg
LT-G-036-2-4-20140225	480-55280-5	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	190	10	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	190	3.2	ug/kg
LT-G-036-2-4-20140225	480-55280-5	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	370	65	ug/kg
LT-G-036-2-4-20140225	480-55280-5	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	190	60	ug/kg
LT-G-036-2-4-20140225	480-55280-5	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	190	7.7	ug/kg
LT-G-036-2-4-20140225	480-55280-5	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	190	55	ug/kg
LT-G-036-2-4-20140225	480-55280-5	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	190	4.0	ug/kg
LT-G-036-2-4-20140225	480-55280-5	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	370	10	ug/kg
LT-G-036-2-4-20140225	480-55280-5	4-NITROANILINE	3/5/2014			Yes	N	U		U	370	21	ug/kg
LT-G-036-2-4-20140225	480-55280-5	4-NITROPHENOL	3/5/2014			Yes	N	U		U	370	45	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ACENAPHTHENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	190	1.5	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ACETOPHENONE	3/5/2014			Yes	N	U		U	190	9.6	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ANTHRACENE	3/5/2014			Yes	N	U		U	190	4.8	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2-NITROPHENOL	3/5/2014			Yes	N	U		U	190	8.6	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BENZALDEHYDE	3/5/2014			Yes	N	U		U	190	21	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	190	5.8	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	190	4.5	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	190	3.6	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	190	2.1	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	190	50	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	190	12	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	190	10	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-2-4-20140225	480-55280-5	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	190	16	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	190	20	ug/kg
LT-G-036-2-4-20140225	480-55280-5	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	190	60	ug/kg
LT-G-036-2-4-20140225	480-55280-5	CAPROLACTAM	3/5/2014			Yes	N	U		U	190	81	ug/kg
LT-G-036-2-4-20140225	480-55280-5	CARBAZOLE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ATRAZINE	3/5/2014			Yes	N	U		U	190	8.3	ug/kg
LT-G-036-2-4-20140225	480-55280-5	DIBENZOFURAN	3/5/2014			Yes	N	U		U	190	2.0	ug/kg
LT-G-036-2-4-20140225	480-55280-5	NITROBENZENE	3/5/2014			Yes	N	U		U	190	8.3	ug/kg
LT-G-036-2-4-20140225	480-55280-5	NAPHTHALENE	3/5/2014			Yes	N	U		U	190	3.1	ug/kg
LT-G-036-2-4-20140225	480-55280-5	ISOPHORONE	3/5/2014			Yes	N	U		U	190	9.4	ug/kg
LT-G-036-2-4-20140225	480-55280-5	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	190	5.2	ug/kg
LT-G-036-2-4-20140225	480-55280-5	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	190	15	ug/kg
LT-G-036-2-4-20140225	480-55280-5	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	190	57	ug/kg
LT-G-036-2-4-20140225	480-55280-5	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	190	9.6	ug/kg
LT-G-036-2-4-20140225	480-55280-5	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	190	9.3	ug/kg
LT-G-036-2-4-20140225	480-55280-5	FLUORENE	3/5/2014			Yes	N	U		U	190	4.3	ug/kg
LT-G-036-2-4-20140225	480-55280-5	FLUORANTHENE	3/5/2014	27		Yes	Y	J		J	190	2.7	ug/kg
LT-G-036-2-4-20140225	480-55280-5	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	190	4.4	ug/kg
LT-G-036-2-4-20140225	480-55280-5	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	190	65	ug/kg
LT-G-036-2-4-20140225	480-55280-5	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	190	160	ug/kg
LT-G-036-2-4-20140225	480-55280-5	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	190	5.7	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2-NITROANILINE	3/5/2014			Yes	N	U		U	370	60	ug/kg
LT-G-036-2-4-20140225	480-55280-5	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	190	2.2	ug/kg
LT-G-036-2-4-20140225	480-55280-5	CHRYSENE	3/5/2014	19		Yes	Y	J		J	190	1.9	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	190	41	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-2-4-20140225	480-55280-5	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	190	12	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	190	9.8	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	190	51	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	370	66	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	190	29	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	190	46	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	190	13	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	190	9.5	ug/kg
LT-G-036-2-4-20140225	480-55280-5	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	190	2.3	ug/kg
LT-G-036-2-4-20140225	480-55280-5	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	190	15	ug/kg
LT-G-036-2-4-20140225	480-55280-5	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	190	4.9	ug/kg
LT-G-036-6-8-20140225	480-55280-6	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	76	ug/kg
LT-G-036-6-8-20140225	480-55280-6	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-G-036-6-8-20140225	480-55280-6	FLUORENE	3/5/2014			Yes	N	U		U	180	4.1	ug/kg
LT-G-036-6-8-20140225	480-55280-6	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-G-036-6-8-20140225	480-55280-6	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.1	ug/kg
LT-G-036-6-8-20140225	480-55280-6	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.3	ug/kg
LT-G-036-6-8-20140225	480-55280-6	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.0	ug/kg
LT-G-036-6-8-20140225	480-55280-6	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-G-036-6-8-20140225	480-55280-6	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	53	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	57	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	18	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	15	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.6	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-6-8-20140225	480-55280-6	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	47	ug/kg
LT-G-036-6-8-20140225	480-55280-6	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	61	ug/kg
LT-G-036-6-8-20140225	480-55280-6	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-036-6-8-20140225	480-55280-6	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U	UJ	UJ	180	2.1	ug/kg
LT-G-036-6-8-20140225	480-55280-6	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-G-036-6-8-20140225	480-55280-6	PYRENE	3/5/2014			Yes	N	U		U	180	1.1	ug/kg
LT-G-036-6-8-20140225	480-55280-6	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-G-036-6-8-20140225	480-55280-6	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.7	ug/kg
LT-G-036-6-8-20140225	480-55280-6	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	8.8	ug/kg
LT-G-036-6-8-20140225	480-55280-6	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.7	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U	UJ	UJ	180	3.4	ug/kg
LT-G-036-6-8-20140225	480-55280-6	NITROBENZENE	3/5/2014			Yes	N	U		U	180	7.8	ug/kg
LT-G-036-6-8-20140225	480-55280-6	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.9	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ISOPHORONE	3/5/2014			Yes	N	U		U	180	8.8	ug/kg
LT-G-036-6-8-20140225	480-55280-6	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U	UJ	UJ	180	4.9	ug/kg
LT-G-036-6-8-20140225	480-55280-6	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-G-036-6-8-20140225	480-55280-6	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	350	61	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-036-6-8-20140225	480-55280-6	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	41	ug/kg
LT-G-036-6-8-20140225	480-55280-6	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	150	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	57	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.4	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U	UJ	UJ	180	1.9	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-6-8-20140225	480-55280-6	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.0	ug/kg
LT-G-036-6-8-20140225	480-55280-6	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.3	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	43	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	27	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	39	ug/kg
LT-G-036-6-8-20140225	480-55280-6	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-036-6-8-20140225	480-55280-6	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BENZO(A)PYRENE	3/5/2014			Yes	N	U	UJ	UJ	180	4.3	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BENZALDEHYDE	3/5/2014			Yes	N	U	UJ	UJ	180	19	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ATRAZINE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.5	ug/kg
LT-G-036-6-8-20140225	480-55280-6	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	61	ug/kg
LT-G-036-6-8-20140225	480-55280-6	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.4	ug/kg
LT-G-036-6-8-20140225	480-55280-6	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	56	ug/kg
LT-G-036-6-8-20140225	480-55280-6	4-NITROPHENOL	3/5/2014			Yes	N	U		U	350	43	ug/kg
LT-G-036-6-8-20140225	480-55280-6	4-NITROANILINE	3/5/2014			Yes	N	U		U	350	20	ug/kg
LT-G-036-6-8-20140225	480-55280-6	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	9.8	ug/kg
LT-G-036-6-8-20140225	480-55280-6	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-G-036-6-8-20140225	480-55280-6	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	52	ug/kg
LT-G-036-6-8-20140225	480-55280-6	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U	UJ	UJ	180	2.1	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-036-6-8-20140225	480-55280-6	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2-NITROANILINE	3/5/2014			Yes	N	U		U	350	57	ug/kg
LT-G-037-0-2-20140225	480-55280-7	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	15	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.7	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-G-037-0-2-20140225	480-55280-7	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	77	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.0	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.6	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-G-037-0-2-20140225	480-55280-7	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-G-037-0-2-20140225	480-55280-7	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.0	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	39	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.4	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-0-2-20140225	480-55280-7	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	48	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	350	63	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	44	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-G-037-0-2-20140225	480-55280-7	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-G-037-0-2-20140225	480-55280-7	4-NITROPHENOL	3/5/2014			Yes	N	U		U	350	43	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.2	ug/kg
LT-G-037-0-2-20140225	480-55280-7	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-G-037-0-2-20140225	480-55280-7	3-NITROANILINE	3/5/2014			Yes	N	U		U	350	41	ug/kg
LT-G-037-0-2-20140225	480-55280-7	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	350	62	ug/kg
LT-G-037-0-2-20140225	480-55280-7	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	57	ug/kg
LT-G-037-0-2-20140225	480-55280-7	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.4	ug/kg
LT-G-037-0-2-20140225	480-55280-7	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	53	ug/kg
LT-G-037-0-2-20140225	480-55280-7	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-G-037-0-2-20140225	480-55280-7	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	350	10	ug/kg
LT-G-037-0-2-20140225	480-55280-7	4-NITROANILINE	3/5/2014			Yes	N	U		U	350	20	ug/kg
LT-G-037-0-2-20140225	480-55280-7	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-G-037-0-2-20140225	480-55280-7	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	350	61	ug/kg
LT-G-037-0-2-20140225	480-55280-7	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-0-2-20140225	480-55280-7	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	54	ug/kg
LT-G-037-0-2-20140225	480-55280-7	PYRENE	3/5/2014			Yes	N	U		U	180	1.2	ug/kg
LT-G-037-0-2-20140225	480-55280-7	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-0-2-20140225	480-55280-7	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	9.8	ug/kg
LT-G-037-0-2-20140225	480-55280-7	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-037-0-2-20140225	480-55280-7	NITROBENZENE	3/5/2014			Yes	N	U		U	180	7.9	ug/kg
LT-G-037-0-2-20140225	480-55280-7	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-G-037-0-2-20140225	480-55280-7	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.0	ug/kg
LT-G-037-0-2-20140225	480-55280-7	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	62	ug/kg
LT-G-037-0-2-20140225	480-55280-7	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-G-037-0-2-20140225	480-55280-7	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-G-037-0-2-20140225	480-55280-7	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-037-0-2-20140225	480-55280-7	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.4	ug/kg
LT-G-037-0-2-20140225	480-55280-7	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-G-037-0-2-20140225	480-55280-7	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-G-037-0-2-20140225	480-55280-7	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-G-037-0-2-20140225	480-55280-7	FLUORENE	3/5/2014			Yes	N	U		U	180	4.1	ug/kg
LT-G-037-0-2-20140225	480-55280-7	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	8.9	ug/kg
LT-G-037-0-2-20140225	480-55280-7	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.2	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-G-037-2-4-20140225	480-55280-8	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-G-037-2-4-20140225	480-55280-8	4-NITROPHENOL	3/5/2014			Yes	N	U		U	360	44	ug/kg
LT-G-037-2-4-20140225	480-55280-8	4-NITROANILINE	3/5/2014			Yes	N	U		U	360	20	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
LT-G-037-2-4-20140225	480-55280-8	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	360	10	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-2-4-20140225	480-55280-8	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.9	ug/kg
LT-G-037-2-4-20140225	480-55280-8	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	54	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-2-4-20140225	480-55280-8	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-G-037-2-4-20140225	480-55280-8	3-NITROANILINE	3/5/2014			Yes	N	U		U	360	42	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
LT-G-037-2-4-20140225	480-55280-8	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-G-037-2-4-20140225	480-55280-8	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.5	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-G-037-2-4-20140225	480-55280-8	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-G-037-2-4-20140225	480-55280-8	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-2-4-20140225	480-55280-8	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	79	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	59	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	40	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.3	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.4	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.1	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-G-037-2-4-20140225	480-55280-8	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.9	ug/kg
LT-G-037-2-4-20140225	480-55280-8	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.6	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-2-4-20140225	480-55280-8	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	55	ug/kg
LT-G-037-2-4-20140225	480-55280-8	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-037-2-4-20140225	480-55280-8	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.0	ug/kg
LT-G-037-2-4-20140225	480-55280-8	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-G-037-2-4-20140225	480-55280-8	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-G-037-2-4-20140225	480-55280-8	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-G-037-2-4-20140225	480-55280-8	FLUORENE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-G-037-2-4-20140225	480-55280-8	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	10	ug/kg
LT-G-037-2-4-20140225	480-55280-8	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-G-037-2-4-20140225	480-55280-8	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-G-037-2-4-20140225	480-55280-8	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-G-037-2-4-20140225	480-55280-8	PYRENE	3/5/2014			Yes	N	U		U	180	1.2	ug/kg
LT-G-037-2-4-20140225	480-55280-8	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-2-4-20140225	480-55280-8	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.6	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	45	ug/kg
LT-G-037-2-4-20140225	480-55280-8	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2-NITROANILINE	3/5/2014			Yes	N	U		U	360	58	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-037-2-4-20140225	480-55280-8	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-2-4-20140225	480-55280-8	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-G-037-2-4-20140225	480-55280-8	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.8	ug/kg
LT-G-037-2-4-20140225	480-55280-8	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	63	ug/kg
LT-G-037-2-4-20140225	480-55280-8	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-G-037-2-4-20140225	480-55280-8	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-G-037-2-4-20140225	480-55280-8	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-G-037-6-8-20140225	480-55280-9	INDENO(1,2,3-C,D)PYRENE	3/5/2014			Yes	N	U		U	180	5.0	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BIS(2-ETHYLHEXYL) PHTHALATE	3/5/2014			Yes	N	U		U	180	59	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BENZO(G,H,I)PERYLENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-G-037-6-8-20140225	480-55280-9	DIETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	5.5	ug/kg
LT-G-037-6-8-20140225	480-55280-9	DIBENZOFURAN	3/5/2014			Yes	N	U		U	180	1.9	ug/kg
LT-G-037-6-8-20140225	480-55280-9	DIBENZ(A,H)ANTHRACENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-6-8-20140225	480-55280-9	CHRYSENE	3/5/2014			Yes	N	U		U	180	1.8	ug/kg
LT-G-037-6-8-20140225	480-55280-9	DI-N-BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	63	ug/kg
LT-G-037-6-8-20140225	480-55280-9	CAPROLACTAM	3/5/2014			Yes	N	U		U	180	79	ug/kg
LT-G-037-6-8-20140225	480-55280-9	DI-N-OCTYLPHTHALATE	3/5/2014			Yes	N	U		U	180	4.3	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BIS(2-CHLOROISOPROPYL) ETHER	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/5/2014			Yes	N	U		U	180	16	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BIS(2-CHLOROETHOXY) METHANE	3/5/2014			Yes	N	U		U	180	9.9	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BIPHENYL (DIPHENYL)	3/5/2014			Yes	N	U		U	180	11	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BENZYL BUTYL PHTHALATE	3/5/2014			Yes	N	U		U	180	49	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BENZO(K)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.0	ug/kg
LT-G-037-6-8-20140225	480-55280-9	CARBAZOLE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-6-8-20140225	480-55280-9	N-NITROSODI-N-PROPYLAMINE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2,4,5-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	40	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-6-8-20140225	480-55280-9	HEXACHLOROCYCLOPENTADIENE	3/5/2014			Yes	N	U		U	180	55	ug/kg
LT-G-037-6-8-20140225	480-55280-9	PYRENE	3/5/2014			Yes	N	U		U	180	1.2	ug/kg
LT-G-037-6-8-20140225	480-55280-9	PHENOL	3/5/2014			Yes	N	U		U	180	19	ug/kg
LT-G-037-6-8-20140225	480-55280-9	PHENANTHRENE	3/5/2014			Yes	N	U		U	180	3.8	ug/kg
LT-G-037-6-8-20140225	480-55280-9	DIMETHYL PHTHALATE	3/5/2014			Yes	N	U		U	180	4.8	ug/kg
LT-G-037-6-8-20140225	480-55280-9	N-NITROSODIPHENYLAMINE	3/5/2014			Yes	N	U		U	180	10	ug/kg
LT-G-037-6-8-20140225	480-55280-9	HEXACHLOROBENZENE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-G-037-6-8-20140225	480-55280-9	NITROBENZENE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-G-037-6-8-20140225	480-55280-9	NAPHTHALENE	3/5/2014			Yes	N	U		U	180	3.0	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ISOPHORONE	3/5/2014			Yes	N	U		U	180	9.1	ug/kg
LT-G-037-6-8-20140225	480-55280-9	HEXACHLOROBUTADIENE	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-G-037-6-8-20140225	480-55280-9	FLUORENE	3/5/2014			Yes	N	U		U	180	4.2	ug/kg
LT-G-037-6-8-20140225	480-55280-9	FLUORANTHENE	3/5/2014			Yes	N	U		U	180	2.6	ug/kg
LT-G-037-6-8-20140225	480-55280-9	PENTACHLOROPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2,6-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	45	ug/kg
LT-G-037-6-8-20140225	480-55280-9	3-NITROANILINE	3/5/2014			Yes	N	U		U	360	42	ug/kg
LT-G-037-6-8-20140225	480-55280-9	3,3'-DICHLOROBENZIDINE	3/5/2014			Yes	N	U		U	180	160	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2-NITROPHENOL	3/5/2014			Yes	N	U		U	180	8.3	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2-NITROANILINE	3/5/2014			Yes	N	U		U	360	59	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2-METHYLPHENOL (O-CRESOL)	3/5/2014			Yes	N	U		U	180	5.6	ug/kg
LT-G-037-6-8-20140225	480-55280-9	4,6-DINITRO-2-METHYLPHENOL	3/5/2014			Yes	N	U		U	360	63	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2-CHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.3	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2-CHLORONAPHTHALENE	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2,4-DINITROPHENOL	3/5/2014			Yes	N	U		U	360	64	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2,4-DIMETHYLPHENOL	3/5/2014			Yes	N	U		U	180	49	ug/kg

SDG: 480552801

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-037-6-8-20140225	480-55280-9	2,4-DICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	9.6	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2,4,6-TRICHLOROPHENOL	3/5/2014			Yes	N	U		U	180	12	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BENZO(B)FLUORANTHENE	3/5/2014			Yes	N	U		U	180	3.5	ug/kg
LT-G-037-6-8-20140225	480-55280-9	HEXACHLOROETHANE	3/5/2014			Yes	N	U		U	180	14	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2-METHYLNAPHTHALENE	3/5/2014			Yes	N	U		U	180	2.2	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BENZO(A)ANTHRACENE	3/5/2014			Yes	N	U		U	180	3.2	ug/kg
LT-G-037-6-8-20140225	480-55280-9	2,4-DINITROTOLUENE	3/5/2014			Yes	N	U		U	180	28	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BENZO(A)PYRENE	3/5/2014			Yes	N	U		U	180	4.4	ug/kg
LT-G-037-6-8-20140225	480-55280-9	4-BROMOPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	58	ug/kg
LT-G-037-6-8-20140225	480-55280-9	BENZALDEHYDE	3/5/2014			Yes	N	U		U	180	20	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ATRAZINE	3/5/2014			Yes	N	U		U	180	8.1	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ANTHRACENE	3/5/2014			Yes	N	U		U	180	4.7	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ACETOPHENONE	3/5/2014			Yes	N	U		U	180	9.4	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ACENAPHTHYLENE	3/5/2014			Yes	N	U		U	180	1.5	ug/kg
LT-G-037-6-8-20140225	480-55280-9	ACENAPHTHENE	3/5/2014			Yes	N	U		U	180	2.1	ug/kg
LT-G-037-6-8-20140225	480-55280-9	4-CHLOROPHENYL PHENYL ETHER	3/5/2014			Yes	N	U		U	180	3.9	ug/kg
LT-G-037-6-8-20140225	480-55280-9	4-NITROANILINE	3/5/2014			Yes	N	U		U	360	20	ug/kg
LT-G-037-6-8-20140225	480-55280-9	4-NITROPHENOL	3/5/2014			Yes	N	U		U	360	44	ug/kg
LT-G-037-6-8-20140225	480-55280-9	4-METHYLPHENOL (P-CRESOL)	3/5/2014			Yes	N	U		U	360	10	ug/kg
LT-G-037-6-8-20140225	480-55280-9	4-CHLORO-3-METHYLPHENOL	3/5/2014			Yes	N	U		U	180	7.5	ug/kg
LT-G-037-6-8-20140225	480-55280-9	4-CHLOROANILINE	3/5/2014			Yes	N	U		U	180	54	ug/kg

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55330-1
Reviewer: Christina Rink and Felomina Tanguilig/Laboratory Data Consultants for RXR Glen Isle Partners, LLC
Date: April 14, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-C-065-0-2**	480-55330-1	SVOC**, Pesticides**
LT-C-065-4-6	480-55330-2	SVOC, Pesticides
LT-C-065-6-8	480-55330-3	SVOC, Pesticides
LT-C-066-0-2	480-55330-4	SVOC, Pesticides
LT-C-066-4-6	480-55330-5	SVOC, Pesticides
LT-C-066-6-8	480-55330-6	SVOC, Pesticides
LT-C-067-0-2	480-55330-7	SVOC, Pesticides
LT-C-067-4-6	480-55330-8	SVOC, Pesticides
LT-C-067-6-8	480-55330-9	SVOC, Pesticides
DUP033	480-55330-11	SVOC, Pesticides
LT-C-068-0-2	480-55330-12	SVOC, Pesticides
LT-C-068-4-6	480-55330-13	SVOC, Pesticides
LT-C-068-8-10	480-55330-14	SVOC, Pesticides
LT-C-070-0-2	480-55330-15	SVOC, Pesticides
LT-C-070-2-4	480-55330-16	SVOC, Pesticides
LT-C-070-8-10	480-55330-17	SVOC, Pesticides
LT-C-064-0-2**	480-55330-18	SVOC, Pesticides**
LT-C-064-2-4	480-55330-19	SVOC, Pesticides
LT-C-064-8-10	480-55330-20	SVOC, Pesticides
LT-C-071-0-2	480-55330-21	SVOC, Pesticides
LT-C-071-2-4**	480-55330-22	SVOC**, Pesticides
LT-C-071-8-10	480-55330-23	SVOC, Pesticides
FB031	480-55330-24	SVOC, Pesticides
LT-C-066-4-6MS	480-55330-5MS	SVOC, Pesticides
LT-C-066-4-6MSD	480-55330-5MSD	SVOC, Pesticides
LT-C-064-0-2MS	480-55330-18MS	SVOC, Pesticides
LT-C-064-0-2MSD	480-55330-18MSD	SVOC, Pesticides

Associated QC Samples(s):
Field/Trip Blanks: FB031
Field Duplicate pair: LT-C-067-6-8 and DUP033

The above-listed soil and water samples were collected on January 26, 2014 and were analyzed for semivolatile organic compounds (SVOCs) by SW-846 method 8270D and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
3/6/13	ICV-V	Benzaldehyde	99.7	LT-C-071-2-4**	SS	UJ nondetects
3/6/13	CCV	Hexachlorocyclopentadiene	28.0	LT-C-065-0-2**	XX	UJ nondetects
		2,4-Dinitrophenol	28.6		XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Pesticide

Compounds that did not meet criteria in the pesticide calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
1/7/14	ICV	RTX CLPII	Toxaphene	32.7	LT-C-065-0-2**	XX	UJ nondetects
3/3/14	CCV (14:34)	RTX CLPI	Toxaphene	22.7	LT-C-065-0-2**	XX	UJ nondetects
3/3/14	CCV (14:52)	RTX CLPI	Endrin aldehyde	20.1	LT-C-065-0-2**	XX	UJ nondetects
3/3/14	CCV (16:49)	RTX CLPII	alpha-BHC	24.2	LT-C-064-0-2**	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

SVOC

Contamination was detected in the associated SVOA method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for other contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-168117	Bis(2-ethylhexyl)phthalate	1.86 ug/L	<RL	FB031
	Butylbenzylphthalate	0.540 ug/L	<RL	

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were nondetect.

Contamination was detected in the field blank FB031 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for contaminants. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB031	Di-n-butylphthalate	0.34 ug/L	<RL	LT-C-065-0-2** LT-C-065-4-6 LT-C-065-6-8 LT-C-066-0-2 LT-C-066-4-6 LT-C-066-6-8 LT-C-067-0-2 LT-C-067-4-6 LT-C-067-6-8 DUP033 LT-C-068-0-2 LT-C-068-4-6 LT-C-068-8-10 LT-C-070-0-2 LT-C-070-2-4 LT-C-070-8-10 LT-C-064-0-2 LT-C-064-2-4 LT-C-064-8-10 LT-C-071-0-2 LT-C-071-2-4** LT-C-071-8-10

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were nondetect.

Pesticide

Contamination was detected in the associated pesticide method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for other contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-168208	delta-BHC	0.461 ug/Kg	<RL	LT-C-065-0-2** LT-C-065-4-6 LT-C-065-6-8 LT-C-066-0-2 LT-C-066-4-6 LT-C-066-6-8 LT-C-067-0-2 LT-C-067-4-6 LT-C-067-6-8 DUP033 LT-C-068-0-2 LT-C-068-4-6 LT-C-068-8-10 LT-C-070-0-2 LT-C-070-2-4 LT-C-070-8-10

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
LT-C-066-6-8	delta-BHC	0.79 ug/Kg	1.9U ug/Kg
LT-C-067-0-2	delta-BHC	0.52 ug/Kg	1.9U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

No positive results were found in the field blank FB031 for pesticide analyses.

Surrogate Recoveries

SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for samples LT-C-065-0-2** and LT-C-068-0-2. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

SVOC

MS/MSD analyses were performed on samples LT-C-066-4-6 and LT-C-064-0-2 for SVOC analyses. All criteria were met.

Pesticide

MS/MSD analyses were performed on samples LT-C-066-4-6 and LT-C-064-0-2 for pesticide analyses. All criteria were met.

LCS Results

SVOC and Pesticide

All criteria were met.

Internal Standards

SVOC

All criteria were met. Internal standards were not reviewed for samples reviewed by Category A criteria.

Moisture Content

All criteria were met.

Field Duplicate Results

Compounds were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

SVOC

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	LT-C-067-6-8	FB033			
2-Methylphenol	29	5.7U	-	23.3 (≤380)	-

- =no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair.
For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Pesticide

There were no detected compounds in the field duplicate pair for pesticide analyses.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the SVOC and pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	Pesticide Analysis Reported
LT-C-065-0-2** LT-C-065-4-6	5-fold dilution due to the nature of sample matrix
LT-C-068-0-2	10-fold dilution due to the nature of sample matrix

Dilutions were not required for SVOC analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

Sample	Compound	RPD (%)	Validation Actions
LT-C-064-0-2**	4,4'-DDT	58.5	J detects

For %RPD between 26 and 70%; estimate (J) the positive result.
For %RPD between 71 and 100%; qualify the result as presumptively present (JN).
For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).
For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).
For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31574B2a **VALIDATION COMPLETENESS WORKSHEET** Date: 4/9/14
SDG #: 480-55330-1 Cat A/Cat B Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: FM
2nd Reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/26/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. %D RSD ≤ 20, r²
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. ICV ≤ 30, CCV ≤ 20
V.	Blanks	SW	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS ID
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	A	Not reviewed for Cat A review. MDL < Result < PL = J
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 9, 10
XVII.	Field blanks	SW	FB = 23, ~~FB004-GW (SDG # 480-55331-1)~~

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** ~~Indicates~~ sample underwent Cat B review.

Soil & Water

1	1	LT-C-065-0-2 ** S	8	11	1	LT-C-068-0-2 S	8	21	2	LT-C-071-2-4 **S	31	1	MB 480-168432
2	1	LT-C-065-4-6	8	12	1	LT-C-068-4-6		22	2	LT-C-071-8-10 ↓	32	2	MB 480-168599
3	1	LT-C-065-6-8		13	1	LT-C-068-8-10		+23	3	FB031 W	+33	3	MB 480-168117
4	1	LT-C-066-0-2		14	1	LT-C-070-0-2		24	1	LT-C-066-4-6MS S	34		
5	1	LT-C-066-4-6		15	1	LT-C-070-2-4		25	1	LT-C-066-4-6MSD	35		
6	1	LT-C-066-6-8		16	1	LT-C-070-8-10		26	1	LT-C-064-0-2MS	36		
7	1	LT-C-067-0-2		17	1	LT-C-064-0-2		27	1	LT-C-064-0-2MSD ↓	37		
8	1	LT-C-067-4-6		18	1	LT-C-064-2-4		28			38		
9	1	LT-C-067-6-8 D		19	1	LT-C-064-8-10		29			39		
10	1	DUP033 D ↓		20	1	LT-C-071-0-2 ↓		30			40		

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU.Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV.Benzonaphthothiophene	OOOO.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW.Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: ac

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y N N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	3/6/14	ICV-V	LLLL	99.7		21, MB 480-168599	J/UJ/A (ND)
	3/6/14	CCV	X	28.0		#1, MB 480-168432	J/UJ/A (ND)
	0437		HH	28.6		↓	

CONCAL.wpd

LDC #: 31574B29

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer: CZ

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank analyzed for each matrix?
Y N N/A Was a method blank analyzed for each concentration preparation level?
Y N N/A Was a method blank associated with every sample?
Y N N/A Was the blank contaminated? If yes, please see qualification below.

Blank extraction date: 2/28/14 **Blank analysis date:** 3/3/14
Conc. units: ug/L Associated Samples: All waters (ND)

Compound	Blank ID								
[redacted]	MB 480-168617								
EEE	1.86								
AAA	0.540								

Blank extraction date: _____ **Blank analysis date:** _____
Conc. units: _____ Associated Samples: _____

Compound	Blank ID								
[redacted]									

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/kg
Sampling date: 2/26/14
Field blank type: (circle one) Field Blank / Rinsate / Other: FB Associated Samples: All soils (ND)

Compound	Blank ID	Sample Identification								
	23									
XX	0.34									

Blank units: _____ **Associated sample units:** _____
Sampling date: _____
Field blank type: (circle one) Field Blank / Rinsate / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC: 31574B2a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

Method: 8270D

Analyte	Concentration (µg/Kg)		RPD (≤ 100)	Diff.	Diff. Limits	Quall
	9	10				
G	29	5.7U		23.3	(≤380)	

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: 9

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)		Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 12:20	3/6/14	Phenol	(1st IS)	1.697	1.708	1.708	0.7	0.7
			Nitrobenzene	(2nd IS)	0.3509	0.3601	0.3601	2.6	2.6
			Acenaphthene	(3rd IS)	1.176	1.177	1.177	0.1	0.1
			~~4,6-Dinitro-2-Methylphenol~~ Pentachlorophenol F7	(4th IS)	0.1227	0.12333	0.1233	0.5	0.5
			Bis(2-ethylhexyl)phthalate	(5th IS)	0.8545	0.8561	0.8561	0.2	0.2
			Benzoa(pyrene)	(6th IS)	1.087	1.075	1.075	1.1	1.1
2	CCV 12:45	3/6/14	Benzaldehyde	(1st IS)	0.6195	0.5712	0.5712	7.8	7.8
			Caprolactam	(2nd IS)	0.1118	0.1220	0.1220	9.1	9.1
			Atrazine	(3rd IS)	0.3309	0.3270	0.3270	1.2	1.2
			N-Nitrosodiphenylamine	(4th IS)	0.5168	0.5383	0.5383	4.2	4.2
			3,3''-Dichlorobenzidine	(5th IS)	0.3557	0.3766	0.3766	5.9	5.9
3									

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS PCB Congeners (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)		Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 0437	3/6/14	Phenol	(1st IS)	1.832	1.714	1.714	6.4	6.4
			Nitrobenzene	(2nd IS)	0.3576	0.3680	0.3680	2.9	2.9
			Acenaphthene	(3rd IS)	1.108	1.092	1.092	1.4	1.4
			4,6-Dinitro-2-Methylphenol	(4th IS)	0.1404	0.1277	0.1277	9.0	9.0
			Bis(2-ethylhexyl)phthalate	(5th IS)	0.8967	0.8748	0.8748	2.4	2.4
			Benzoa(pyrene)	(6th IS)	1.059	1.028	1.028	2.9	2.9
2	CCV 0507	3/6/14	Benzaldehyde	(1st IS)	0.5410	0.6237	0.6237	15.3	15.3
			Caprolactam	(2nd IS)	0.0830	0.0831	0.0831	0.1	0.1
			Atrazine	(3rd IS)	0.2373	0.2513	0.2513	5.9	5.9
			N-Nitrosodiphenylamine	(4th IS)	0.5635	0.5565	0.5565	1.2	1.2
			3,3"-Dichlorobenzidine	(5th IS)	0.3258	0.3346	0.3346	2.7	2.7
3									

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 50 std)	Recalculated (RRF 50 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	3/6/2014	Phenol (IS1)	1.6970	1.6970	1.6968	1.6968	1.80	1.80
	Inst V		Nitrobenzene (IS2)	0.3529	0.3529	0.3509	0.3509	2.30	2.30
			Acenaphthene (IS3)	1.1857	1.1857	1.1762	1.1762	4.30	4.30
			Pentachlorophenol (IS4)	0.1248	0.1248	0.1227	0.1227	9.10	9.10
			Bis(2-Ethylhexyl)phthalate (IS5)	0.8630	0.8630	0.8545	0.8545	4.80	4.80
			Benzo(a)pyrene (IS6)	1.0916	1.0916	1.0870	1.0870	4.0	4.0

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 50 std)	Recalculated (RRF 50 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	3/6/2014	Benzaldehyde (IS1)	0.5715	0.5715	0.6195	0.5715	10.00	10.00
	Inst V		Caprolactam (IS2)	0.1233	0.1233	0.1118	0.1233	15.00	15.00
			Atrazine (IS3)	0.3310	0.3310	0.3309	0.3310	3.00	3.00
			N-Nitrosodiphenylamine (IS4	0.5465	0.5465	0.5168	0.5465	3.10	3.10
			3,3'- Dichlorbenzidine (IS5)	0.3646	0.3646	0.3557	0.3646	4.70	4.70

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 50/100 std)	Recalculated (RRF 50/100 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/5/2014	Phenol (IS1)	1.8505	1.8505	1.8320	1.8320	4.50	4.50
	Inst X		Nitrobenzene (IS2)	0.3624	0.3624	0.3576	0.3576	5.20	5.20
			Acenaphthene (IS3)	1.1186	1.1186	1.1080	1.1080	5.60	5.60
			4,6-Dinitro-2-Methylphenol (IS4)	0.1479	0.1479	0.1404	0.1404	10.00	10.00
			Bis(2-Ethylhexyl)phthalate (IS5)	0.8717	0.8717	0.8967	0.8967	3.00	3.00
			Benzo(a)pyrene (IS6)	1.0636	1.0636	1.0592	1.0592	0.6	0.6

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: OK

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 50 std)	Recalculated (RRF 50 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/5/2014	Benzaldehyde (IS1)	0.5463	0.5463	0.5410	0.5410	5.50	5.50
	Inst X		Caprolactam (IS2)	0.0849	0.0849	0.0830	0.0830	11.00	11.00
			Atrazine (IS3)	0.2365	0.2365	0.2373	0.2373	1.40	1.40
			N-Nitrosodiphenylamine (IS4)	0.5679	0.5679	0.5635	0.5635	4.40	4.40
			3,3'- Dichlorbenzidine (IS5)	0.3303	0.3303	0.3258	0.3258	2.60	2.60

Inst X 020514 adds

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer: CA

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50.0	48.8	98	98	0
2-Fluorobiphenyl		50.0	100	100	
Terphenyl-d14		61.6	123	123	
Phenol-d5		43.6	87	87	
2-Fluorophenol		40.4	81	81	
2,4,6-Tribromophenol		50.5	101	101	
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 31574B2a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentation

RPD = | MSC - MSC | * 2/(MSC + MSDC) MSC = Matrix spike concentration MSDC = Matrix spike duplicate concentration

MS/MSD samples: 24 + 25

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalc
Phenol	3750	3700	ND	3060	2860	82	82	77	77	7	7
N-Nitroso-di-n-propylamine	↓	↓	↓	3690	3520	99	99	96	96	4	4
4-Chloro-3-methylphenol	↓	↓	↓	3770	3800	101	101	103	103	1	1
Acenaphthene	↓	↓	↓	3700	3570	99	99	96	96	4	4
Pentachlorophenol	7490	7400	↓	7790	8140	104	104	110	110	4	4
Pyrene	3750	3700	↓	4020	3940	107	107	107	107	2	2

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LCS

#: 3157482a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

2nd Reviewer: SA

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: LCS 480-168432

Compound	Spike Added (ug/kg)		Spike Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
Phenol	3300	NA	2700	NA	82	82				
N-Nitroso-di-n-propylamine			3420		104	104				
4-Chloro-3-methylphenol			3520		107	107				
Acenaphthene			3270		99	99				
Pentachlorophenol	6610		6780		103	103				
Pyrene	3300		3630		110	110	NR			

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574B2c

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer: CN

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #1 , UU :

Conc. = $\frac{(5101)(40)(1)(1000)(\quad)}{(461357)(1.0921)(30.52)(0.891)(\quad)}$

= 15 ng/kg

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

YES NO N/A

E - The concentration of this analyte exceeds the calibration range of the instrument.

A - Indicates a Tentatively Identified Compound (TIC) is a suspected adol-condensation product.

X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 480-55330-1 LAB: Test America

SITE NAME: Glen Island

1.0 Data Completeness and Deliverables

1.1 Has all data been submitted in CLP deliverable format? [✓] ___ ___

ACTION: If not, note the effect on review of the data in the data assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative or cover letter present? [✓] ___ ___

2.2 Are case number and SDG number(s) contained in the narrative or cover letter? [✓] ___ ___

YES NO N/A

II. SEMIVOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Report Forms present for all samples? [✓] [ ] [ ]

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? [✓] [ ] [ ]

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, all non-detects data are qualified as unusable (R), and detects are flagged "J".

ACTION: If samples were not iced, or if the ice was melted upon arrival at the laboratory and the cooler temperature was elevated (10°C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any semivolatile technical holding times, determined from date of collection to date of extraction, been exceeded? [ ] [✓] [ ]

Continuous extraction of water samples for semivolatile analysis must be started within **7** days of the date of collection. Soil/sediment samples must be extracted within **14** days of collection. Extracts must be analyzed within

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

Sample ID	Sample Matrix	Date Sampled	Date Lab Received (See Traffic Report)	Date Extracted	Date Analyzed

ACTION: If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

	YES	NO	N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Have the semi volatile surrogate recoveries been listed on CLP Surrogate Recovery forms (Form II) for each of the following matrices:

a.	Low Water	[✓]	___	___
b.	Low/Med Soil	[✓]	___	___

3.2 If so, are <u>all the samples listed</u> on the appropriate Surrogate Recovery Summary forms for each matrix:

a.	Low Water	[✓]	___	___
b.	Low/Med Soil	[✓]	___	___

ACTION: If CLP deliverables are unavailable, document the effect(s) in data assessments. In some cases the lab may have to be contacted to obtain the data necessary to complete the validation.

3.3 Were outliers marked correctly with an asterisk? [✓] ___ ___

ACTION: Circle all outliers in red.

3.4 Were two or more base neutral <u>OR</u> acid surrogate recoveries out of specification for any sample or method blank (Reviewer should use lab in house recovery limits. Use surrogate recovery limits from USEPA National Functional Guidlines January 2005 page 130, if in house limits are not available. See Method 8000B-43 or 80000C-24). [ ] [✓] ___

Note: Examine lab in house limits for reasonableness.

If yes, were samples re-analyzed? [ ] ___ [✓]

	YES	NO	N/A
Were method blanks re-analyzed?	[ ]	___	✓

ACTION: If all surrogate recoveries are > 10% but two within the base-neutral or acid fraction do not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):

1. Flag all positive results as estimated ("J").

2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.

3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects.

If any base-neutral or acid surrogate has a recovery of < 10%:

1. Positive results for the fraction with < 10% surrogate recovery are qualified with "J".

2. Non-detects for that fraction should be qualified as unusable (R) .

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. Check the internal standard areas.

3.5 Are there any transcription/calculation errors between raw data and Form II?	___	[✓]	___

ACTION: If large errors exist, call lab for explanation/resubmittal, make any necessary corrections and document

YES NO N/A

effect in data assessments.

4.0 Matrix Spikes (Form III/Equivalent)

4.1 Have the semivolatile Matrix Spike and Matrix Spike Duplicate/or duplicate unspiked Sample recoveries been listed on the Recovery Form (Form III)? [✓] ___ ___

NOTE: Method 3500B/page 4 states the spiking compounds:

Base/neutrals	Acids
1,2,4-Trichlorobenzene	Pentachlorophenol
Acenaphthene	Phenol
2,4-Dinitrotoluene	2-Chlorophenol
Pyrene	4-Chloro-3-methylphenol
N-Nitroso-di-n-propylamine	4-Nitrophenol
1,4-Dichlorobenzene	

Note: Some projects may require the spiking of specific compounds of interest.

Note: See Method 8270D-sec 8.4.2 for deciding on whether to prepare and analyze duplicate samples or a martix spike/matrix spike duplicate. If samples are expected to contain target analytes, then laboratory may use one matrix spike and a duplicate analysis of an unspiked field sample. If samples are not expected to contain target analytes, laboratory should use a matrix spike and matrix spike duplicate pair.

4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:

a. Low Water [ ] ___ [✓]

b. Low Solid [✓] ___ ___

c. Med Solid [ ] ___ [✓]

YES NO N/A

ACTION: If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE: If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/l for base compounds (Method 3500B-4), or those specified in project plan. IV ___ ___

4.4 How ~~many semivolatile~~ spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

Water	Solids
____ out of ____	____ out of ____

YES NO N/A

4.5 How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?

Water	Solids
____ out of ____	____ out of ____

ACTION: Circle all outliers with red pencil.

ACTION: No action is taken on MS/MSD data alone. However, using informed professional judgement, the data reviewer may use the matrix spike and matrix spike duplicate results in conjunction with other QC criteria to determine the need for some qualification of the data.

4.6 Was a Laboratory Control Sample (LCS) analyzed with each analytical batch? [✓] ___ ___

NOTE: When the results of the matrix spike analysis indicate a potential problem due to the sample matrix itself, the LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

5.0 Blanks (Form IV/Equivalent)

5.1 Is the Method Blank Summary (Form IV) present? [✓] ___ ___

5.2 Frequency of Analysis:

Has a reagent/method blank analysis been reported per 20 samples of similar matrix, or concentration level, and for each extraction batch? [✓] ___ ___

5.3 Has a method blank been analyzed either after

	YES	NO	N/A
the calibration standard or at any other time during the analytical shift for each GC/MS system used ?	☑	☐	☐

ACTION: If any method blank data are missing, call lab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra.			
Is the chromatographic performance (baseline stability) for each instrument acceptable for the semivolatiles?	☑	☐	☐

ACTION: Use professional judgement to determine the effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.	☑	☑	☐
6.2 Do any field/rinse/ blanks have positive results for target analytes and/or TICs (if required, see section 10 below)?	☑	☐	☐

YES NO N/A

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case) must be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field Blanks must be qualified for outlying surrogates, poor spectra, instrument performance or calibration QC problems.

ACTION: Follow the directions in the table below to qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all data in the associated samples should be qualified as unusable (R).

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Field	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	> CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample? ☑ ___ ___

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

	YES	NO	N/A
that exceeded the initial calibration range.	[ ]	___	✓
6.5 Does the instrument blank have positive results for target analytes and/or TICs?	___	[ ]	✓

Note: Use professional judgement to determine if carryover occurred and qualify analytes accordingly.

7.0 GC/MS Apparatus and Materials

	YES	NO	N/A
7.1 Did the lab use the proper gas chromatographic column for analysis of semivolatiles by Method 8270D? Check raw data, instrument logs or contact the lab to determine what type of column was used. The method requires the use of 30 m x 0.25 mm ID (or 0.32 mm ID), silicone-coated, fused silica, capillary column.	[✓]	___	___

ACTION: If the specified column, or equivalent, was not used, document the effects in the data assessment. Use professional judgement to determine the acceptability of the data.

8.0 GC/MS Instrument Performance Check (Form V/Equivalent)

	YES	NO	N/A
8.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for decafluorotriphenylphosphine (DFTPP)?	[✓]	___	___

NOTE: The performance solution should also contain 4,4-DDT, pentachlorophenol, and benzidine to verify injection port inertness and column performance. The degradation of DDT to DDE and DDD must be less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (based upon lab experience) and show no peak degradation or tailing before samples are analyzed. (see section 5.5

	YES	NO	N/A

page 8270D-12).

8.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve hour shift? ☑ ___ ___

8.3 Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument? ☑ ___ ___

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS tuning data are available.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ACTION: If lab cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable (R).

8.4 Have the ion abundances been normalized to m/z 198? ☑ ___ ___

8.5 Have the ion abundance criteria been met for each instrument used? ☑ ___ ___

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

	YES	NO	N/A
ACTION: If ion abundance criteria are not met, take action specified in section 3.2			
8.6 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values but if errors are found, check more.)	___	[✓]	___
8.7 Have the appropriate number of significant figures (two) been reported?	[✓]	___	___
ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.			
8.8 Are the spectra of the mass calibration compound acceptable?	[✓]	___	___
ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.			
9.0 Target Analytes			
9.1 Are the Organic Analysis Data Sheets (Form I) present with required header information on each page, for each of the following:			
a. Samples and/or fractions as appropriate	[✓]	___	___
b. Matrix spikes and matrix spike duplicates	[✓]	___	___
c. Blanks	[✓]	___	___
9.2 Has any special cleanup, such as GPC, been performed on all soil/sediment sample extracts (see section 7.2, page 8270D-14)?	[ ]	[✓]	___

	YES	NO	N/A

ACTION: If data suggests that extract cleanup was not performed, use professional judgement. Make note in the data assessment narrative.

9.3 Are the Reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

a. Samples and/or fractions as appropriate	[✓]	___	___
b. Matrix spikes and matrix spike duplicates (Mass spectra not required)	[✓]	___	___
c. Blanks	[✓]	___	___

ACTION: If any data are missing, take action specified in 3.2 above.

9.4 Are the response factors shown in the Quant Report?	[✓]	___	___

9.5 Is chromatographic performance acceptable with respect to:

Baseline stability?	[✓]	___	___
Resolution?	[✓]	___	___
Peak shape?	[✓]	___	___
Full-scale graph (attenuation)?	[✓]	___	___
Other:_____	[ ]	___	___

ACTION: Use professional judgement to determine the acceptability of the data.

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

	YES	NO	N/A
each sample?	✓		

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the data assessment narrative. If spectra are missing, reject all positive data.

9.7 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	✓		
9.8 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?	✓		
9.9 Do the relative intensities of the characteristic ions in the sample agree within ± 30% of the corresponding relative intensities in the reference spectrum?	✓		

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected (R), flagged "N" (Presumptive evidence of the presence of the compound) or changed to not detected (U) at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 9.7, 9.8, and 9.9.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

	YES	NO	N/A

10.0 Tentatively Identified Compounds (TIC)

10.1 If Tentatively Identified Compounds were required for this project, are all Form Is, Part B present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?

NOTE: Review sampling reports to determine if the lab was required to identify non target analytes (refer to section 7.6.2,page 8270D-21).

10.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following: [ ] ___ ✓

a. Samples and/or fractions as appropriate [ ] ___ ✓

b. Blanks [ ] ___ ✓

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by CAS #.

10.3 Are any target compounds from one fraction listed as TIC compounds in another (e.g., an acid compound listed as a base neutral TIC)? ___ [ ] ✓

ACTION: i. Flag with "R" any target compound listed as a TIC.

ii. Make sure all rejected compounds are properly reported in the other fraction.

10.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the

	YES	NO	N/A
sample mass spectrum?	[ ]	___	✓
10.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%?	[ ]	___	✓

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate and remove "JN". Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R."

11.0 Compound Quantitation and Reported Detection Limits

11.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and RRF were used to calculate Form I result. Were any errors found?	___	[✓]	___

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

11.2 Are the method detection limits adjusted to reflect sample dilutions and, for soils, sample moisture?	[✓]	___	___

YES NO N/A

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC exceedance dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red " X" across the entire page of all Form I's that should not be used, including any in the summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration? [✓] ___ ___

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

13.1 Is the Initial Calibration Form (Form VI/ Equivalent) present and complete for the semivolatile fraction? [✓] ___ ___

ACTION: If any calibration forms or standard row data are missing, take action specified in 3.2 above.

13.2 Are all base neutral or acid RRFs > 0.050? [✓] ___ ___

YES NO N/A

Check the **average RRFs** of the four System Performance Check Compounds (SPCCs): N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol. These compounds must have **average RRFs** greater than or equal to 0.05 before running samples and should not show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with **average RRF <0.05**

1. "R" all non-detects;

2. "J" all positive results.

13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)? ✓1 ___ ___

NOTE: The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If grater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective action taken, then "J" qualify all positive hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is ≥ 20.0%, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

13.4 Did the laboratory calculate the calibration curve by the least squares regression fit? ✓ [ ] ___

13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.) ___ [✓] ___

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides? [ ] ✓ ___

	YES	NO	N/A
13.6 If the pesticide compounds include DDT, was the percent breakdown of DDT to DDD and DDE greater than 20%?	___	[ ]	✓

ACTION: If DDT percent breakdown exceeds 20%:

i. Qualify all positive results for DDT with "J". If DDT was not detected, but DDD and DDE results are positive, qualify the quantitation limit for DDT as unusable, "R".

ii. Qualify all positive results for DDD and DDE as presumptively present at an approximate concentration "JN".

14.0 GC/MS Calibration Verification (Form VII/Equivalent)

	YES	NO	N/A
14.1 Are the Calibration Verification Forms (Form VII) present and complete for all compounds of interest?	[✓]	___	___
14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument?	[✓]	___	___

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

_____

_____

_____

ACTION: If any forms are missing or no calibration verification standard has been analyzed within twelve hours of every sample analysis,

	YES	NO	N/A
call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").			
14.3 Do any of the SPCCs have an RRF <0.05?	___	[✓]	___
If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18.	[ ]	___	✓
14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%?			
ACTION: If yes, make a note in data assessment.			
14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%?	✓	[ ]	___
ACTION: Circle all outliers in red.			
ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.			
14.6 Do any semivolatile compounds have a RRF < 0.05?	___	[✓]	___
ACTION: Circle all outliers in red.			
ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.			
14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).	___	[✓]	___

YES NO N/A

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect(s) in the data assessments.

15.0 Internal Standards (Form VIII)

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration? ✓ ___ ___

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit

(Attach additional sheets if necessary.)

Note: Check Table 5, 8270D-41 for associated analytes.

ACTION: i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.

ii. Non-detects associated with IS > 100% should not be qualified.

YES NO N/A

iii. If the IS area is below the lower limit (<50%), qualify all associated non-detects (U-values) "J". If extremely low area counts are reported (<25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable (R).

15.2 Are the retention times of all internal standards within 30 seconds of the associated calibration standard? [✓] ___ ___

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

16.0 Laboratory Control Samples (LCS)

16.1 Were any LCS samples run in order to verify analytes which failed criteria for spike recovery? [✓] ___ ___

16.2 Did the lab spike LCS sample spiked with the same analytes and the same concentrations as the matrix spike? [✓] ___ ___

16.3 Were the mean and standard deviation of all analytes within the QC acceptance ranges as shown in Table 6, 8270D-43? [✓] ___ ___

ACTION: If the recovery of any analyte falls out of the designated range, the analytical results for that compound is suspect and should be qualified "J" in the unspiked samples.

17.0 Field Duplicates

17.1 Were any field duplicates submitted for semivolatile analysis? [✓] ___ ___

YES NO N/A

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

LDC #: 31574B3a
SDG #: 480-55330-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Cat A/Cat B

Date: 4/4/14
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081A) B

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/26/14
II.	GC Instrument Performance Check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review.
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. ICV/CCV ≤ 20
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional quality assurance and quality control	N	
X.	Florisil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = J/A dq
XIV.	Overall assessment of data	A	
XV.	Field duplicates	ND	D = 9, 10
XVI.	Field blanks	ND	FB = 23

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

Soil + water

1	1	LT-C-065-0-2 **	S 5X	11	1	LT-C-068-0-2	S 10X	21	2	LT-C-071-2-4	S	31	1	MB 480-168208
2	1	LT-C-065-4-6	5X	12	1	LT-C-068-4-6		22	2	LT-C-071-8-10	↓	32	2	MB 480-168211
3	1	LT-C-065-6-8		13	1	LT-C-068-8-10		23	3	FB031	W	33	3	MB 480-168150
4	1	LT-C-066-0-2		14	1	LT-C-070-0-2		24	1	LT-C-066-4-6MS	S 5	34		
5	1	LT-C-066-4-6		15	1	LT-C-070-2-4		25	1	LT-C-066-4-6MSD		35		
6	1	LT-C-066-6-8		16	1	LT-C-070-8-10		26	2	LT-C-064-0-2MS 17		36		
7	1	LT-C-067-0-2		17	2	LT-C-064-0-2 **		27	2	LT-C-064-0-2MSD	↓	37		
8	1	LT-C-067-4-6		18	2	LT-C-064-2-4		28				38		
9	1	LT-C-067-6-8 D		19	2	LT-C-064-8-10		29				39		
10	1	DUP033 D	↓	20	2	LT-C-071-0-2	↓	30				40		

Notes: # 1, 2, 11 were diluted due to the nature of the sample matrix

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG.
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH.
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II.
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ.
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. DB 608	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. DB 1701	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE.	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF.	NN.

Notes:_____

LDC #: 31574B3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: CR

METHOD: ✓ GC ___ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R

Y N N/A Were continuing calibration standards analyzed at the required frequencies?
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ≤20.0% / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ 20.0)	RT (limit)	Associated Samples	Qualifications
	1/7/14	ICV	RTX CLP II	U	32.7	( )	#1, MB 480-168208	J/UJ/A(ND)
						( )		
						( )		
	3/3/14	CCV	RTX CLPI	U	22.7	( )	↓	↓
	14:34					( )		
						( )		
						( )		
	3/3/14	CCV	RTX CLPI	R	20.1	( )	↓	↓
	14:52					( )		
						( )		
						( )		
	3/3/14	CCV	RTX CLP II	A	24.2	( )	# 17,	↓
	16:49					( )	MB 480-168211	
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		

LDC #: 31574B3a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: EJ
2nd Reviewer: BR

METHOD: V GC ___ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a given method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?
Y N N/A Was a method blank performed with each extraction batch?
Y N N/A Were any contaminants found in the method blanks? If yes, please see findings below.

Level IV/D Only

Y N N/A (Gasoline and aromatics only)Was a method blank analyzed with each 24 hour batch?
Y N N/A Was a method blank analyzed for each analytical / extraction batch of ≤20 samples?

Blank extraction date: 3/3/14 Blank analysis date: 3/3/14 Associated samples: 1 → 16

Conc. units: ug/kg

Compound	Blank ID	Sample Identification						
	MB 480-168208	6	7					
C	0.461	0.79/1.9U	0.52/1.9U					

Blank extraction date: _____ Blank analysis date: _____ Associated samples: _____

Conc. units: _____

Compound	Blank ID	Sample Identification						

ALL CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 31574B3a

VALIDATION FINDINDS WORKSHEET
Surrogate Recovery

Page: 1 of 1
Reviewer: FT
2nd Reviewer: 02

METHOD: V GC ___ HPLC

Are surrogates required by the method? Yes___ or No___.

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were surrogates spiked into all samples and blanks?

Y N N/A Did all surrogate recoveries (%R) meet the QC limits?

#	Sample ID	Detector/ Column	Surrogate Compound	%R (Limits)	Qualifications
	1	RTX-CLP1	θ	140 (32 - 136)	no qual SX DL
				( )	
				( )	
	11	RTX CLP1 + RTX CLP1	θ	0 (32 - 136)	no qual 10 x DL
			Y	0 (30 - 124)	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	1-Chlorooctadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-DCPA
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate		
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 31574B3a

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Page: 1 of 1
Reviewer: FQ
2nd Reviewer: CL

METHOD: ✓ GC ___ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

Y N N/A Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y N N/A Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

#	Compound Name	% RPD Bet 2 columns Finding ≤ 25	Associated Samples	Qualifications
	Q	58.5	17	J/A det

Comments: See sample calculation verification worksheet for recalculations

COMQUANew.wpd

LDC#: 31574B3a
SDG#: pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: OR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	RTX CLP1 Instrument 25	Endosulfan1	Point 1	193596	0.0050
			Point 2	405876	0.0100
			Point 3	2404384	0.0500
			Point 4	4651319	0.1000
			Point 5	7063110	0.1500

Regression Output		*Reported*
Constant	*-35617.885798*	*17468.6595*
Std Err of Y Est		
R Squared	*0.999750*	*0.997000*
Degrees of Freedom		
X Coefficient(s)	*47290077.552356*	*36693881.60*
Std Err of Coef.		
Correlation Coefficient	*0.999875*	
Coefficient of Determination (r^2)	*0.999750*	

LDC#: 31574B3a
SDG#: Pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: EJ
2nd Reviewer: CR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	RTX CLPII Instrument 25	Endosulfan	Point 1	92085	0.0050
			Point 2	189151	0.0100
			Point 3	1034041	0.0500
			Point 4	2033682	0.1000
			Point 5	2992673	0.1500

Regression Output		*Reported*
Constant	*3377.440772*	*-9171.8519*
Std Err of Y Est		
R Squared	*0.999661*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*20078554.908377*	*20277750.00*
Std Err of Coef.		
Correlation Coefficient	*0.999831*	
Coefficient of Determination (r^2)	*0.999661*	

LDC#: 31574B3a
SDG#: pre covers

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: EJ
2nd Reviewer: OL

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	RTX CLP1 Instrument 25	Methoxychlor	Point 1	77358	0.0050
			Point 2	161308	0.0100
			Point 3	868559	0.0500
			Point 4	1758232	0.1000
			Point 5	2618956	0.1500

Regression Output		*Reported*
Constant	*-10467.744437*	*-11809.3630*
Std Err of Y Est		
R Squared	*0.999960*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*17576989.594241*	*17598285.10*
Std Err of Coef.		
Correlation Coefficient	*0.999980*	
Coefficient of Determination (r^2)	*0.999960*	

LDC#: 31574B3a
SDG#: pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: EJ
2nd Reviewer: AR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	RTX CLPII Instrument 25	Methoxychlor	Point 1	36615	0.0050
			Point 2	74941	0.0100
			Point 3	418140	0.0500
			Point 4	873566	0.1000
			Point 5	1330781	0.1500

Regression Output		*Reported*
Constant	*-16268.437827*	*-10144.0280*
Std Err of Y Est		
R Squared	*0.999769*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*8937730.759162*	*8840517.91*
Std Err of Coef.		
Correlation Coefficient	*0.999884*	
Coefficient of Determination (r^2)	*0.999769*	

LDC#: 31574B3a
SDG#: see cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: EJ
2nd Reviewer: OR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	RTX CLPI Instrument 6	Endosulfan I	Point 1	314768	0.0050
			Point 2	623944	0.0100
			Point 3	3281352	0.0500
			Point 4	6301950	0.1000
			Point 5	8781371	0.1500

Regression Output		***Reported***
Constant	*136881.101767*	*23840.027100*
Std Err of Y Est		
R Squared	*0.996747*	*0.997000*
Degrees of Freedom		
X Coefficient(s)	*59107871.400524*	*60902174.200000*
Std Err of Coef.		
Correlation Coefficient	*0.998372*	
Coefficient of Determination (r^2)	*0.996747*	

LDC#: 31574B3a
SDG#: pre cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: OR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	RTX CLPII Instrument 6	Endosulfan 1	Point 1	350177	0.0050
			Point 2	703108	0.0100
			Point 3	3582108	0.0500
			Point 4	6806586	0.1000
			Point 5	9741029	0.1500

Regression Output		*Reported*
Constant	*133475.874018*	*34030.847600*
Std Err of Y Est		
R Squared	*0.998347*	*0.998000*
Degrees of Freedom		
X Coefficient(s)	*65128979.777487*	*66707472.300000*
Std Err of Coef.		
Correlation Coefficient	*0.999173*	
Coefficient of Determination (r^2)	*0.998347*	*0.998000*

LDC#: 31574B3a
SDG#: see cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: EJ
2nd Reviewer: OQ

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	RTX CLPI Instrument 6	Methoxychlor	Point 1	135380	0.0050
			Point 2	271473	0.0100
			Point 3	1384185	0.0500
			Point 4	2685767	0.1000
			Point 5	3921098	0.1500

Regression Output		*Reported*
Constant	*29234.616165*	*6238.887720*
Std Err of Y Est		
R Squared	*0.999446*	*0.999000*
Degrees of Freedom		
X Coefficient(s)	*26195967.997382*	*26560979.600000*
Std Err of Coef.		
Correlation Coefficient	*0.999723*	
Coefficient of Determination (r^2)	*0.999446*	

LDC#: 31574B3a
SDG#: no cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FJ
2nd Reviewer: CR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	RTX CLPII Instrument 6	Methoxychlor	Point 1	101958	0.0050
			Point 2	207982	0.0100
			Point 3	1219660	0.0500
			Point 4	2480600	0.1000
			Point 5	3758129	0.1500

Regression Output		*Reported*
Constant	*-37608.786322*	*-30561.864000*
Std Err of Y Est		
R Squared	*0.999963*	*1.000000*
Degrees of Freedom		
X Coefficient(s)	*25258326.767016*	*25146470.900000*
Std Err of Coef.		
Correlation Coefficient	*0.999981*	
Coefficient of Determination (r^2)	*0.999963*	*1.000000*

LDC #: 31574B32

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FJ
2nd Reviewer: OL

METHOD: GC ~~_____~~ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv 14:34	3/3/14	endosulfan I	0.0500	0.0590	0.0590	18.0	18.0
		RTX CLP1	methoxychlor	↓	0.0527	0.0527	5.3	5.3
			endosulfan I	↓	0.0519	0.0519	3.8	3.8
		RTX CLP2	methoxychlor	↓	0.0447	0.0447	10.6	10.6
2	ccv 16:49	3/3/14	↓	↓	0.0558	0.0558	11.7	11.7
		1	↓	↓	0.0537	0.0537	7.3	7.3
			↓	↓	0.0500	0.0500	0.0	0.0
		2	↓	↓	0.0471	0.0471	5.9	5.9
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 315743a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer: CR

METHOD:GC Chlorinated Pesticides (EPA SW 846 Method 8081)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1 5X

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
PCB	RTX CLP1	0.0200	0.005616	140	140	0
TCMX	↓	↓	0.004022	101	101	↓
↓	RTX CLP2	↓	0.004009	100	100	↓
↓	↓	↓	0.003802	95	95	↓

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference

LDC #: 31574B3a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC Chlorinated Pesticide (EPA SW 846 Method 8081)

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA

RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100

Where SSC = Spiked sample concentration; SC = Sample concentration; SA = Spike added; MS = Matrix spike; MSD = Matrix spike duplicate

MS/MSD samples: 24 + 25

Compound	Spike Added (ug/kg)		Sample Conc. (ug/kg)	Spike Sample Concentration (ug/kg)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	---	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gamma-BHC	18.7	18.7	ND	15.0	16.0	80	80	86	86	7	7
4,4'-DDT	↓	↓	0.89	15.7	16.8	79	79	85	85	6	6

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574B3a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC Chlorinated Pesticide (EPA SW 846 Method 8081)

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA Where SSC = Spiked sample concentration, SA = Spike added, SC = Sample concentration

RPD =({{SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100 LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: lcs 480-168208

Compound	Spike Added (ug/kg)		Spike Sample Concentration (ug/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gamma-BHC	16.6	NA	14.1	NA	85	85				
4,4'-DDT	↓	↓	14.1	↓	85	85	NA			

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574B3a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd Reviewer: OL

METHOD: GC Chlorinated Pesticide (EPA SW 846 Method 8081)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. #1 Compound Name 4,4-DDT

Concentration = $\frac{0.002161\ (10)(5)(100)}{(30.12)(0.891)}$

4.0 ug/kg

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications
	6439 = 2056231	7.6 (x) - 37996.410			
	X= 0.002161				

Comments: _____

USEPA Region II
SW846 Method 8081B Pesticides

Date: October 2006
SOP HW-44, Rev.1.0

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 31574B3a SDG# 480-55330-1
LAB: Test America SITE: Glen Island

1.0 Data Completeness and Deliverables	YES	NO	N/A
1.1 Has all the data been submitted in CLP deliverable format?	[✓]	___	___
1.2 Have any missing deliverables been received and added to the data package?	[ ]	___	✓

ACTION: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.

2.0 Cover Letter, SDG Narrative			
2.1 Is a laboratory narrative or cover letter present?	[ ]	___	___
2.2 Are the case number and/or SDG number contained in the narrative or cover letter?	[ ]	___	___

3.0 Data Validation Checklist			
3.1 Does this data package contain:			
Water data?	[✓]	___	___
Waste data?	[ ]	___	✓
Soil/solid data?	[✓]	___	___

ORGANOCHLORINE PESTICIDE

	YES	NO	N/A
1.0 Traffic Reports and Laboratory Narrative			
1.1 Are traffic report and chain-of-custody forms present for all samples?	[✓]	___	___
1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?	✓	[ ]	___
2.0 Holding Times			
2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded?	___	[✓]	___

ACTION: If no, contact lab for replacement of missing or illegible copies.

ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

Matrix	Preserved	Criteria	Action	
			Detected compounds	Non-detected compounds
Aqueous	No	≤ 7 days (extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 7 days (extraction) > 40 days (analysis)	J*	UJ
	Yes	≤ 7 days (extraction) ≤ 40 days (analysis)	No qualification	
	Yes	> 7 days (extraction) > 40 days (analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R
Non-aqueous	No	≤ 14days (extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 14days (extraction) >40 days (analysis)	J	UJ
	Yes	≤ 14days (extraction) ≤ 40 days (analysis)	No qualification	
	Yes	> 14days (extraction) > 40 days (analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R

* only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a. Water/Waste [✓] ___ ___

b. Soil/Solid [✓] ___ ___

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

a. Water [✓] ___ ___

b. Waste [ ] ___ ✓

c. Soil/Solid [✓] ___ ___

ACTION: Call lab for explanation/resubmittals. If missing deliverables are unavailable, document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks? Used lab in-house limit [ ] ✓ ___

Note: Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis? [✓] ___ ___

ACTION: Follow surrogate action, Table 2 below.

YES NO N/A

Table 2. Surrogate Recovery Criteria

Criteria	Action	
	Detected Target Compounds	Non-detected Target Compounds
%R > 200%	J	Use professional judgement
150% < %R ≤ 200%	J	No qualification
30% ≤ %R ≤ 150%	No qualification	
10% ≤ %R < 30%	J	UJ
%R < 10% (sample dilution not a factor)	J	R
%R < 10% (sample dilution is a factor)	Use professional judgement	
RT out of RT window	Use professional judgement	
RT within RT window	No qualification	

3.6 Are there any transcription/calculation errors between raw data and Form II? [ ] [✓] ___

ACTION: If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 Laboratory Control Sample(LCS)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples. [✓] ___ ___

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

YES NO N/A

4.2 Were Laboratory Control Samples analyzed at the required concentration for all analytes of interest as specified in Table 3 below. Use lab-in-house criteria ☑ ___ ___

Note: Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m-xylene(surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note: The LCS might be spiked with the same analytes at the same concentration as the matrix spike.

ACTION: If Laboratory Control Samples were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

4.3 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in table above? Lab limits ☑ ___ ___

YES NO N/A

ACTION: For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

Criteria	Action	
	Detected Associated Compounds	**Non-Detected Compounds**
%R > Upper Acceptance Limit	J	No qualification
%R < Upper Acceptance Limit	J	R
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No qualifications	

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix? [✓] ___ ___

NOTE: For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent? [✓] ___ ___

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

	YES	NO	N/A
a. Water	[ ]	✓	✓
b. Waste	[ ]		✓
c. Soil/Solid	[✓]		

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the required concentration for all analytes of interest as specified in Table 5 below. [✓] ___ ___

Lab limits

Note: Spiking analytes may differ from those in Table 5. Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike concentration should be:

1) For regulatory compliance monitoring - the regulatory concentration limit or 1 to 5 times the expected background concentration, whichever is higher;

2) For all other aqueous samples - the larger of either 1 to 5 x times the expected background

YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

3) For soil/solid and waste samples - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in Table 6 below. Use lab in-house criteria ☑ ___ ___

Note: Use lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE: The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION: Follow the matrix spike actions (Table 7) for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action	
	Detected Associated Compounds	**Non-Detected Compounds**
%R or RPD > Upper Acceptance Limit	J	No qualification
20% R ≤ %R < Lower Acceptance Limit	J	UJ
%R < 20%	J	Use professional judgement
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	No qualifications	

Note: When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

6.1 Was reagent blank data reported on Method Blank Summary form(s) (Form IV)?

6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch? [✓] ___ ___

Note: Method blank should be analyzed, either after the calibration standard or at any other time during the analytical shift.

YES NO N/A

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides? ☑ ___ ___

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary. ☑ ☐ ___

7.2 Do any field/rinse blanks have positive organochlorine pesticide results? ___ ☑ ___

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Clean up, Instrument, Field	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	> CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U
		≥ CRQL and ≥ blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant concentration in the blank is multiplied by the sample dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams", "junk peaks"), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample? [✓] ___ ___

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 Gas Chromatography with Electron Capture Detector (GC/ECD) Instrument Performance Check (CLP Form VI and Form VII Equivalent)

8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides? Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (See Method 8081B-8, section 4.2) [✓] ___ ___

8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent. Indicate the specific type of column used for:

column 1: RTX - CLP 1

column 2: RTX - CLP 2

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

9.0 Calibration and GC Performance

9.1 Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS, replicates?

a. DDT/endrin breakdown check [✓] ___ ___

		YES	NO	N/A
b.	toxaphene	[✓]	___	___
c.	technical chlordane	[ ]	___	✓
d.	5 pt. initial calibration standards	[✓]	___	___
e.	calibration verification standards	[✓]	___	___
f.	LCS	[✓]	___	___
g.	Method blanks	[ ] ✓	___	___

ACTION: If no, take action specified in 3.2 above.

9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)? [✓] ___ ___

ACTION: If no, take action as specified in 3.2 above.

9.3 Has the individual % breakdown exceeded 20.0% on either column for:

- 4,4' - DDT? ___ [✓] ___
- endrin? ___ [✓] ___

ACTION: If any % breakdown has failed the QC criteria in the breakdown check standard, qualify all sample analyses in the entire analytical sequence as described below.

a. If 4,4'-DDT breakdown is greater than 20.%:

i. Qualify all positive results for DDT with 'J". If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ("R").

ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ("NJ").

YES NO N/A

b. If endrin breakdown is greater than 20.0%:

i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").

ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").

9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence? [✓] ___ ___

NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

9.5 Are there any transcription/calculation errors between raw data and data summary forms. ___ [✓] ___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms? [✓] ___ ___

YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all pesticides are established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the mid-concentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above? ☑ ___ ___

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence? ☑ ___ ___

ACTION: i. If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows

YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes). μ2 ☑ ___ ___

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria	
	Detected Associated Compounds	**Non-Detected Associated Compounds**
% RSD exceeds allowable limits*	J	No qualification
% RSD within allowable limits*	NO qualifications	

* %RSD ≤ 20% for single component compounds except alpha-BHC and delta-BHC.
%RSD ≤ 25% for alpha-BHC and delta-BHC
%RSD ≤ 30% for Toxaphene peaks
%RSD ≤ 30% for surrogates(tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

YES NO N/A

working day, prior to sample analyses (pages 8081B-15,sections 7.5.2)? [✓] ___ ___

9.11 Has a calibration verification standard also been analyzed after every 10 samples and at the end of each analytical sequence (page 8081B-15, section 7.5.2)? [✓] ___ ___

ACTION: If no, take action as specified in section 3.2 above.

9.12 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence (closing CCV). Has no more than 72 hours elapsed from the injection of the sample with a Toxaphene detection and the Toxaphene CCV? [✓] ___ ___

ACTION: See Table 10 below.

9.13 Has the percent difference (%D) exceeded ± 20% for any organochlorine pesticide analyte in any calibration verification standard? [✓] [ ] ___

9.14 Has a new 5 pt. calibration curve been generated for those analytes which failed in the calibration verification standard (page 8081B-16, section 7.5.2.2), and all samples which followed the out-of-control standard (page 8081B-16, section 7.5.2.3)reinjected? [ ] [✓] ___

ACTION: If the %D for any analyte exceeded the ± 20% criterion and the instrument was not recalibrated for those analytes, see table below.

9.15 Have <u>daily</u> retention time windows been properly calculated for each analyte of interest (page 8081B-16, section 7.5.3)), using RTs from the associated mid concentration standard and standard deviation from the initial calibration)? [✓] ___ ___

YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence? ☑ ___ ___

9.17 Do all standard retention times for each mid-concentration standard (analyzed after every 10 samples) fall within the daily RT windows (page 8081B-16, section 7.5.3)? ☑ ___ ___

ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is ± 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
RT out of RT window	Use professional judgement	
%D not within +/- 20%	J	UJ
Time elapsed greater than section 9.12 criteria.	R	
%D, time elapsed, RT are all within acceptable limits.	No qualifications	

9.18 Are there any transcription/calculation errors between raw data and data summary forms? ___ ☑ ___

ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column? ☑ ___ ___

ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses? ☑ ___ ___

ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

YES NO N/A

accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.

11.0 Extraction Method Cleanup Efficiency Verification (Form IX/Equivalent)

11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?

1. Aqueous samples:

1. Separatory funnel (Method 3510) ✓
2. Continuous liquid-liquid extraction (Method 3520) _____
3. Solid phase extraction (Method 3535) _____
4. Other _____

2. Solid samples:

1. Soxhlet (Method 3540) _____
2. Automated Soxhlet (Method 3541) _____
3. Pressurized fluid (Method 3545) _____
4. Microwave extraction (Method 3546) _____
5. Ultrasonic extraction (Method 3550) ✓
6. Supercritical fluid (Method 3562) _____
7. Other _____

11.2 Is Form IX - Pest-1/Equivalent present and complete for each lot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organochlorine pesticide extracts.) [ ] ___ ✓

YES NO N/A

ACTION: If no, take action specified in 3.2 above. If data suggests that florisil cleanup was not performed, make note in the reviewer narrative.

NOTE: Method 3620A uses Florisil, while the SOW/CLP allows for Florisil cartridges. Method 3620A does not list which pesticides and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct pesticide list. If not stated or available, use the CLP listing or accept what the laboratory used.

11.3 Are all samples listed on modified CLP Pesticide Florisil/Cartridge Check Form? [ ] ___ ✓

ACTION: If no, take action specified in 3.2 above.

11.4 If GPC Cleanup was performed, is Form IX - Pest-2/ Equivalent present? [ ] ___ ___

ACTION: If GPC was not performed and sample results indicate significant sulfur interference, make note in the data assessment.

NOTE: GPC cleanup is not required and is optional. The reviewer should check Project Plan to verify requirement.

11.5 Were the same compounds on Form IX used to check the efficiency of the cleanup procedures? [ ] ___ ✓

11.6 Are percent recoveries (% R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits listed on Form IX:

80-120% for florisil cartridge check? [ ] ___ ___

80-110% for GPC calibration? [ ] ___ ✓

YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J" (estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected? [✓] ___ ___

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)? ___ [✓] ___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses? [✓] ___ ___

Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

YES NO N/A

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives? ___ [X] ___

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required). [ ] ___ /

12.6 Is the percent difference (%D) calculated for the positive sample results on the two GC columns <25.0%? [ ] / ___

NOTE: The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

% Difference	Qualifier
0-25%	none
26-70%	"J"
71-100%	"NJ"
101-200% (No Interference)	"R"
101-200% (Interference detected) "NJ"	
>50% (Pesticide vale is <CRQL)	"U"
>201%	"R"

Note: The lower of the two values is reported on Form I. If using professional judgement,the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found? ___ ☑ ___

NOTE: Single-peak pesticide results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

YES NO N/A

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture? ☑ ___ ___

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable? ☑ ___ ___

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen? ___ ☑ ___

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis? ☑ ___ ___

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made to determine the proper identification of field duplicates.

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55330-1
Reviewer: Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR Glen Isle Partners, LLC
Date: April 2, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-C-065-0-2	480-55330-1	Metals
LT-C-065-4-6	480-55330-2	Metals
LT-C-065-6-8	480-55330-3	Metals
LT-C-066-0-2	480-55330-4	Metals
LT-C-066-4-6**	480-55330-5	Metals
LT-C-066-6-8	480-55330-6	Metals
LT-C-067-0-2	480-55330-7	Metals
LT-C-067-4-6	480-55330-8	Metals
LT-C-067-6-8	480-55330-9	Metals
DUP033	480-55330-11	Metals
LT-C-068-0-2	480-55330-12	Metals
LT-C-068-4-6	480-55330-13	Metals
LT-C-068-8-10	480-55330-14	Metals
LT-C-070-0-2	480-55330-15	Metals
LT-C-070-2-4	480-55330-16	Metals
LT-C-070-8-10	480-55330-17	Metals
LT-C-064-0-2**	480-55330-18	Metals
LT-C-064-2-4	480-55330-19	Metals
LT-C-064-8-10	480-55330-20	Metals
LT-C-071-0-2	480-55330-21	Metals
LT-C-071-2-4	480-55330-22	Metals
LT-C-071-8-10	480-55330-23	Metals
FB031	480-55330-24	Metals
LT-C-066-4-6MS	480-55330-5MS	Metals
LT-C-066-4-6MSD	480-55330-5MSD	Metals
LT-C-064-0-2MS	480-55330-18MS	Metals
LT-C-064-0-2MSD	480-55330-18MSD	Metals

Associated QC Samples(s):
Field/Trip Blanks: FB031
Field Duplicate pair: LT-C-067-6-8 and DUP033

The above-listed soil and water samples were collected on February 26, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-2, Revision 13 (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011* (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory method. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Beryllium Barium	0.00161 mg/L 0.000330 mg/L		LT-C-066-4-6**
PB (prep blank)	Barium Zinc	0.00176 mg/L 0.00210 mg/L		FB031
PB (prep blank)	Iron Zinc	1.21 mg/Kg 0.190 mg/Kg		LT-C-065-0-2 LT-C-065-4-6 LT-C-065-6-8 LT-C-066-0-2 LT-C-066-4-6** LT-C-066-6-8 LT-C-067-0-2 LT-C-067-4-6 LT-C-067-6-8 DUP033 LT-C-068-0-2 LT-C-068-4-6 LT-C-068-8-10 LT-C-070-0-2 LT-C-070-2-4 LT-C-070-8-10
PB (prep blank)	Calcium Chromium Iron Manganese Zinc	4.01 mg/Kg 0.407 mg/Kg 3.58 mg/Kg 0.0402 mg/Kg 0.176 mg/Kg		LT-C-064-0-2** LT-C-064-2-4 LT-C-064-8-10 LT-C-071-0-2 LT-C-071-2-4 LT-C-071-8-10

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
LT-C-066-4-6**	Beryllium Zinc	0.14 mg/Kg 10.1 mg/Kg	1.1U mg/Kg 11.3U mg/Kg
LT-C-070-8-10	Zinc	8.6 mg/Kg	12.1U mg/Kg
LT-C-064-0-2**	Calcium	127 mg/Kg	286U mg/Kg
LT-C-064-2-4	Calcium	178 mg/Kg	322U mg/Kg
LT-C-064-8-10	Calcium Zinc	177 mg/Kg 9.1 mg/Kg	284U mg/Kg 11.4U mg/Kg
LT-C-071-0-2	Calcium	109 mg/Kg	278U mg/Kg
LT-C-071-2-4	Calcium	133 mg/Kg	268U mg/Kg
LT-C-071-8-10	Calcium Zinc	122 mg/Kg 10.5 mg/Kg	277U mg/Kg 11.1U mg/Kg
FB031	Zinc	0.0062 mg/L	0.010U mg/L

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB031 were identified as a field blank. No analytes were detected above the reporting limits in the field blank sample.

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples LT-C-066-4-6 and LT-C-064-0-2 for metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
LT-C-066-4-6MS/MSD	Aluminum	200	249	-	75-125	LT-C-065-0-2	J detects
	Iron	59	-	-	75-125	LT-C-065-4-6	J detects
	Manganese	54	-	-	75-125	LT-C-065-6-8	J detects
	Zinc	75	-	-	75-125	LT-C-066-0-2	J detects
						LT-C-066-4-6**	
						LT-C-066-6-8	
						LT-C-067-0-2	
						LT-C-067-4-6	
						LT-C-067-6-8	
						DUP033	
						LT-C-068-0-2	
						LT-C-068-4-6	
						LT-C-068-8-10	
						LT-C-070-0-2	
						LT-C-070-2-4	
						LT-C-070-8-10	
LT-C-066-4-6MS/MSD	Mercury	-	74	-	75-125	LT-C-065-0-2	J detects
						LT-C-065-4-6	UJ nondetects
						LT-C-065-6-8	
						LT-C-066-0-2	
						LT-C-066-4-6**	
						LT-C-066-6-8	
						LT-C-067-0-2	
						LT-C-067-4-6	
						LT-C-067-6-8	
						DUP033	
LT-C-064-0-2MS/MSD	Aluminum	243	216	-	75-125	LT-C-064-0-2**	J detects
	Manganese	230	151	-	75-125	LT-C-064-2-4	J detects
						LT-C-064-8-10	
						LT-C-071-0-2	
						LT-C-071-2-4	
						LT-C-071-8-10	

Estimate (J) the positive aluminum and manganese results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive iron, manganese, and zinc results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J/UJ) the positive and nondetect mercury results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

Analytes were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

Analyte	Concentration (mg/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	LT-C-067-6-8	DUP031			
Aluminum	20200	9850	69 (≤100)	-	-
Arsenic	3.1	3.6	-	0.5 (≤22.6)	-
Barium	68.9	38.4	57 (≤100)	-	-
Beryllium	0.74	0.63	-	0.11 (≤2.4)	-
Cadmium	0.10	0.060	-	0.04 (≤2.4)	-
Calcium	47.9	17.9	-	30 (≤618)	-
Chromium	49.8	34.0	38 (≤100)	-	-
Cobalt	13.5	4.5	-	9 (≤6.2)	J detects
Copper	16.9	13.0	-	3.9 (≤12.4)	-
Iron	33700	29200	14 (≤100)	-	-
Lead	7.5	5.6	-	1.9 (≤12.4)	-
Magnesium	2420	496	-	1924 (≤246)	J detects
Manganese	185	70.5	90 (≤100)	-	-
Nickel	28.6	17.9	-	10.7 (≤61.8)	-
Potassium	1830	479	-	1351 (≤370)	J detects
Sodium	21.2	15.5	-	5.7 (≤1728)	-
Vanadium	28.2	17.0	50 (≤100)	-	-
Zinc	50.8	20.7	-	30.1 (≤24.6)	J detects

-=no action required

For soil results > 5xRL and RPDs >100; estimate (J) results in the field duplicate pair.
For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

The positive results for cobalt, magnesium, potassium, and zinc were qualified as estimated (J) due to high difference in field duplicate results for samples LT-C-067-6-8 and DUP031. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

All criteria were met.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31574B4 **VALIDATION COMPLETENESS WORKSHEET** Date: 6/1/14

SDG #: 480-55330-1 Cat A/Cat B Page: 1 of 1

Laboratory: Test America, Inc. Reviewer: [illegible]

2nd Reviewer: OR

METHOD: Metals (EPA SW 846 Method 6010C/~~7000~~) ~~7471B~~/7470B

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/26/14
II.	ICP/MS Tune	~~NA~~	~~Not reviewed for Cat A review.~~ [illegible]
III.	Calibration	A	Not reviewed for Cat A review.
IV.	Blanks	SW	TCB/CCB
V.	ICP Interference Check Sample (ICS) Analysis	~~A~~	Not reviewed for Cat A review.
VI.	Matrix Spike Analysis	SW	
VII.	Duplicate Sample Analysis	N	
VIII.	Laboratory Control Samples (LCS)	A	LCS, CRM
IX.	Internal Standard (ICP-MS)	NA	
X.	ICP Serial Dilution	A	~~Not reviewed for Cat A review~~ [illegible]
XI.	Sample Result Verification	A	Not reviewed for Cat A review. MDL < Result < RL J
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	SW	(9,10)
XIV.	Field Blanks	ND	FB = 23 (< RL)

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	LT-C-065-0-2	11	LT-C-068-0-2	21	LT-C-071-2-4	31	MB
2	LT-C-065-4-6	12	LT-C-068-4-6	22	LT-C-071-8-10	32	
3	LT-C-065-6-8	13	LT-C-068-8-10	23	FB031	33	
4	LT-C-066-0-2	14	LT-C-070-0-2	24	LT-C-066-4-6MS	34	
5	LT-C-066-4-6**	15	LT-C-070-2-4	25	LT-C-066-4-6MSD	35	
6	LT-C-066-6-8	16	LT-C-070-8-10	26	LT-C-064-0-2MS	36	
7	LT-C-067-0-2	17	LT-C-064-0-2**	27	LT-C-064-0-2MSD	37	
8	LT-C-067-4-6	18	LT-C-064-2-4	28		38	
9	LT-C-067-6-8	19	LT-C-064-8-10	29		39	
10	DUP033	20	LT-C-071-0-2	30		40	

Notes: M. Silvestry

LDC #: 21574B4

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: V
2nd reviewer: [illegible]

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-23	Soil/Ww	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
[illegible]	Soil	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-, ____

Comments: Mercury by CVAA if performed

LDC #: 31574B4

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A) Soil preparation factor applied: ____
Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 5

					Sample Identification								
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit	5								
Be			0.00161		0.14/1.1								
Ba			0.000330										

Sample Concentration units, unless otherwise noted: mg/L Associated Samples: 23

					Sample Identification							
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit	23							
Ba		0.00176										
Zn		0.00210			0.0062/0.010							

Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 1-16

					Sample Identification							
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit	5	16						
Fe	1.21											
Zn	0.190				10.1 ~~10.3~~/11.3	8.6/12.1						

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31574A4

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Reviewer:
2nd Reviewer:

METHOD: Trace Metals (SW 846 6010C/7471B/7470A) Soil preparation factor applied:
Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 17-22

					Sample Identification							
Analyte	**Maximum PB[a] (mg/Kg)**	**Maximum PB[a] (mg/L)**	**Maximum ICB/CCB[a] (mg/L)**	**Blank Action Limit**	17	18	19	20	21	22		
Ca	4.01				127/286	178/322	177/284	109/278	133/268	122/277		
Cr	0.407											
Fe	3.58											
Mn	0.0402											
Zn	0.176						9.1/11.4			10.5/11.1		

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31574B4

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: C2
2nd Reviewer: C2

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y N N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

Y N N/A Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
1	24/25	Soil	Al	200	249		1-16	J det (All det)
			Fe	59				J/UJ (All det)
			Mn	54				
			Zn	75				
			Hg		74		1-10	J/UJ (det + ND)
2	26/27		Al	243	216		17-22	J det (All det)
			Mn	230	151			

Comments: 26/27: Fe>4X, No qual for %R

LDC#: 31574B4

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: Metals (EPA Method 6010C/7471B)

Compound	Concentration (mg/Kg)		(≤100) RPD	Difference	Limits	Qualifications (Parent Only)
	9	10				
Aluminum	20200	9850	69			
Arsenic	3.1	3.6		0.5	(≤22.6)	
Barium	68.9	38.4	57			
Beryllium	0.74	0.63		0.11	(≤2.4)	
Cadmium	0.10	0.060		0.04	(≤2.4)	
Calcium	47.9	17.9		30	(≤618)	
Chromium	49.8	34.0	38			
Cobalt	13.5	4.5		9	(≤6.2)	J det
Copper	16.9	13.0		3.9	(≤12.4)	
Iron	33700	29200	14			
Lead	7.5	5.6		1.9	(≤12.4)	
Magnesium	2420	496		1924	(≤246)	J det
Manganese	185	70.5	90			
Nickel	28.6	17.9		10.7	(≤61.8)	
Potassium	1830	479		1351	(≤370)	J det
Sodium	21.2	15.5		5.7	(≤1728)	
Vanadium	28.2	17.0	50			
Zinc	50.8	20.7		30.1	(≤24.6)	J det

DC #: 31574B4

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

IETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

.n initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\text{R} = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (mg/L)	True (mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP (Initial calibration)	Cd	0.368	0.375	98	98	Y
	ICP/MS (Initial calibration)						
ICV	CVAA (Initial calibration)	Hg	0.00296	0.00300	99	99	Y
CCV	ICP (Continuing calibration)	Zn	0.470	0.500	94	94	↓
	ICP/MS (Continuing calibration)						
CCV	CVAA (Continuing calibration)	Hg	0.00192	0.00200	96	96	Y
	GFAA (Initial calibration)						
	GFAA (Continuing calibation)						

omments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the calculated results.

CALCLC.4SW

DC #: 31894B4

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ~
2nd Reviewer: CR

ETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

ercent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$$R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$$PD = \frac{|S-D|}{(S+D)/2} \times 100$$

Where, S = Original sample concentration
D = Duplicate sample concentration

ı ICP serial dilution percent difference (%D) was recalculated using the following formula:

$$D = \frac{|I-SDR|}{I} \times 100$$

Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Ni	0.962	1.00	96	96	Y
LCS	Laboratory control sample	Fe	10217	12500	81.7	81.9	
MS	Matrix spike	Cr	(SSR-SR) 39.03	45.4	86	86	
MD	Duplicate	Hg	0.3110	0.3189	3	3	
I	ICP serial dilution	Mn	0.42295	0.41157	2.8	2.8	Y

ɔmments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

#5, Cu < 100 x MDL
50

LDC #: 31574B4

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
Y N N/A Are all detection limits below the CRDL?

Detected analyte results for _____ were recalculated and verified using the following equation:

Concentration = (RD)(FV)(Dil) / (In. Vol.)

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation:

#17 $Mn = \frac{1.1567\ mg/L \times 50\ ml}{0.4891 \times 0.899} = 132.4\ mg/kg$

#	Sample ID	Analyte	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Acceptable (Y/N)
1	5	Pb	5.5	5.5	Y
2	17	Mn	132	132	Y

Note: _____

	YES	NO	N/A
(b) Form I's?	[✓]	___	___
Is the number of samples on the Cover Page the same as the number of samples on the Traffic Report sheet and the Regional Record of Communication (ROC) for the data Case?	[___]	___	✓

ACTION:
If no for any of the above, prepare Telephone Record Log and contact RSCC/PO for re-submittal of the corrected Cover Page from the laboratory.

A.1.6 SDG Narrative, DC-1 & DC-2 Form

Is the SDG Narrative present?	[✓]	___	___
Is Sample Log-In Sheet(Form DC-1) present and complete?	[___]	___	✓
Is Complete SDG Inventory Sheet(Form DC-2) present and complete?	[___]	___	✓

ACTION:
If no, write in the Contract-Problems/ Non-Compliance Section of the Data Review Narrative.

A.1.7 Form I to XV

A.1.7.1 Are all the Form I through Form XV labeled with:

Laboratory Name?	[✓]	___	___
Laboratory Code?	[___]	___	✓
RAS/Non-RAS Case No.?	[✓]	___	___
SDG No.?	[✓]	___	___

	YES	NO	N/A
A.I.1 Contract Compliance Screening Report Present?	[✓]	___	___
ACTION: If no, contact RSCC/PO.			
A.I.2 Record of Communication (from RSCC) Present?	[✓]	___	___
ACTION: If no, request from the RSCC.			
A.1.3 Sampling Trip Report Present and complete?	[✓]	___	___
ACTION: If no, contact RSCC/PO.			
A.I.4 Chain of Custody/Sample Traffic Report Present?	[✓]	___	___
Legible?	[✓]	___	___
Signature of sample custodian present?	[✓]	___	___
ACTION: If no, contact RSCC/WAM/PO.			
A.I.5 Cover Page Present?	[✓]	___	___
Is the Cover Page properly filled in and the verbatim signed by the lab manager or the manager's designee?	[✓]	___	___
Do the sample identification numbers on the Cover Page agree with sample Identification numbers on:			
(a) Traffic Report Sheet?	[ ]	___	✓

		YES	NO	N/A
	Contract No.?	[ ]	___	✓

ACTION:
If no for any of the above, note under Contract Problem/Non-Compliance Section of the "Data Review Narrative" and contact PO for corrected Form(s) from the laboratory.

A.1.7.2	After comparing values on Forms I-IX against the raw data, do any computation/ transcription errors exceed 10% of the reported values on the Forms for:			
	(a) all analytes analyzed by ICP-AES?	___	[✓]	___
	(b) all analytes analyzed by ICP-MS?	___	[ ]	✓
	(c) Mercury?	___	[✓]	___
	(d) Cyanide?	___	[ ]	✓

ACTION:
If yes, prepare Telephone Record Log and contact CLP PO/TOPO for the corrected data from the laboratory.

A.1.8 Raw Data

Data shall not be validated without the hard/electronic copies of the associated raw data for samples and QC samples.

A.1.8.1 Digestion/Distillation Log

Digestion Log for ICP-AES (Form XII)present?	[✓]	___	___
Digestion Log for ICP-MS (Form XII) present?	[ ]	___	✓
Digestion Log for mercury (Form XII) present?	[✓]	___	___
Distillation Log for cyanide (Form XII) present?	[ ]	___	✓

Are pH values for metals and

	YES	NO	N/A
cyanide reported for each aqueous sample?	[✓]	_	_
Are percent solids calculations present for soils/sediments?	[✓]	_	_
Are preparation dates present on the sample preparation logs/bench sheets?	[✓]	_	_

NOTE:
Digestion/Distillation log must include weights, volumes, and dilutions used to obtain the reported results.

A.1.8.2 Is the analytical instrument real-time printouts present for:

	YES	NO	N/A
ICP-AES?	[✓]	_	_
ICP-MS?	[ ]	_	✓
Mercury?	[✓]	_	_
Cyanide?	[ ]	_	✓

Are all laboratory bench sheets and instrument raw data printouts necessary to support all sample analyses and QC operations:

	YES	NO	N/A
Legible?	[✓]	_	_
Properly labeled?	[✓]	_	_

Are all field samples, QC samples and field QC samples present on:

	YES	NO	N/A
Digestion/Distillation log?	[✓]	_	_
Instrument Printouts?	[✓]	_	_

ACTION:
If no for any of the above questions in Section A.1.8.1 and Section A.1.8.2, write Telephone Record Log and contact TOPO/PO for re-submittal from the laboratory.

		YES	NO	N/A
A.1.9	Technical Holding Times: (Aqueous and soil samples) (Examine sample Traffic Reports and digestion/distillation logs to determine the holding time from the sample collection date to the sample preparation date.)			
A.1.9.1	Cyanide distillation(14 days)exceeded?	_	[ ]	[✓]
	Mercury analysis(28 days) exceeded?	_	[✓]	_
	Other Metals analysis(180 days)exceeded?	___	___	[✓] _

ACTION:
If yes, reject (R) and red-line non-detects and flag as estimated (J)results ≥ MDL even if sample(s) was preserved properly.

NOTE:
In addition to qualifying the data, a list of all samples and analytes which exceeded the holding times must be prepared. Report for each sample the number of days that were exceeded. (Subtract the sample collection date from the sample preparation date). Attach this list to the data review narrative.

A.1.9.2	Is pH of aqueous samples for:			
	Metals Analysis ≤ 2?	[✓]	___	___
	Cyanide Analysis ≥ 12?	[ ]	_	[✓]

ACTION:
If no for any of the above, flag non-detects as "R" and detects as "J".

A.1.9.3	Is the cooler temperature ≤ 10 C°?	[✓]	_	_

ACTION:
If cooler temperature is >10 °C , flag non-detects as "UJ" and detects as "J".

A.1.10 Final Data Correctness - Form I

A.1.10.1 Are Form I's for all samples

	YES	NO	N/A
present and complete?	[✓]		

ACTION:
If no, prepare Telephone Record Log and contact CLP PO/TOPO for submittal from the laboratory.

A.1.10.2 Verify there are no calculation and transcription errors in the results reported on Form I's. Circle on each Form I all results that are incorrect.

Is the calculation error less than 10% of the correct result?	[✓]		
Are results on Form I's reported in correct units (ug/L for aqueous and MG/KG for soils)?	[✓]		
Are results on Form I'S reported by correct significant figures?	[✓]		
Are soil sample results on Form I's corrected for percent solids?	[✓]		
Are all "less than MDL" values reported by the CRQLs and coded with "U"?	[✓]		
Are values less than the CRQLs but greater than or equal to the MDLs flagged with "J"?	[✓]		
Are appropriate contractual quality control and Method qualifiers used?	[✓]		

ACTION:
If no for any of the above questions, prepare Telephone Record Log, and contact CLP PO/TOPO for corrected data.

A.1.10.3 Do EPA sample identification numbers and the corresponding laboratory sample identification numbers match on the Cover Page, Form I's and in the raw data? [✓]

Was a brief physical description

	YES	NO	N/A
of the samples before and after digestion given on the Form I's?	[___]	✓	___
Was any sample result outside the mercury/cyanide calibration range or the ICP-AES/ICP-MS linear range diluted and noted on the Form I?	[___]	___	✓

ACTION:
If no for any of the above, note under the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.11 Initial Calibration

A.1.11.1	Is a record of at least 2 point (A blank and a standard)calibration present for ICP-AES analysis?	[✓]	___	___
	Is a record of at least 2 point (a blank and a standard)calibration present for ICP-MS analysis?	[___]	___	✓
	Is a record of at least 5 point calibration (a blank & 4 standards)present for Hg analysis?	[✓]	___	___
	Is a record of at least 4 point calibration (a blank & 4 standards)present for cyanide?	[___]	___	✓

ACTION:
If incomplete or no initial calibration was performed, reject (R) and red-line the associated data (detects & non-detects).

	Is one initial calibration standard at the CRQL level for cyanide and mercury?	[✓]	___	___

ACTION:
If no, write in the Contract Problem/ Non-Compliance Section of the Data Review Narrative.

..1.11.2	Is the curve correlation coefficient $\geq$ 0.995 for:			

		YES	NO	N/A
	Mercury Analysis?	[✓]	___	___
	Cyanide Analysis?	[___]	___	✓
	ICP-AES (more than 2 point Calib.)?	[✓]	___	___
	ICP-MS (more than 2 point calib.)?	[___]	___	✓

ACTION:
If no, qualify the associated sample results ≥ MDL as estimated "J" and non-detects as "UJ".

NOTE:
The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.).

A.1.12 Initial and Continuing Calibration Verification- Form IIA

A.1.12.1	Present and complete for every metal and cyanide?	[✓]	___	___
	Present and complete for ICP-AES and ICP-MS when both these methods were used for the same analyte?	[___]	___	✓

ACTION:
If no for any of the above, prepare a Telephone Record Log and contact PO/TOPO for re-submittal from the laboratory.

A.1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?	[✓]	___	___

ACTION:
If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.12.3	Was an ICV or a mid-range standard distilled and analyzed with each batch of cyanide samples?	[___]	___	✓

	YES	NO	N/A

ACTION:
If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative and qualify results ≥ MDL as estimated (J).

A.1.12.2 Circle on each Form IIA all percent recoveries that are outside the contract windows.

Are ICV/CCVs within control limits for:

Metals - 90-110%R?	[✓]	___	___
Hg - 80-120%R?	[✓]	___	___
Cyanide - 85-115%R?	[___]	___	✓

ACTION:
If no, qualify all samples between a previous technically acceptable CCV standard and a subsequent technically acceptable CCV standard as follows as follows:

Qualify as estimated (J) all detects and non-detects, if the ICV/CCV %R is between 75-89%(65-79% for Hg; 70-84% for CN). Qualify only positive results(≥ MDL) as "J" if the ICV/CCV %R is between 111-125%(121-135% for Hg;116-130% for CN). Reject (R) and red-line only
detects if the recovery is greater than 125% (135% for Hg; 130% for CN). Reject (R) and red-line all associated results (hits and non-detects)if the recovery is less than 75%(65% for Hg;70% for CN).

NOTE:
For ICV that does not fall within the acceptance limits, qualify all samples reported from the analytical run.

.1.12.3 Was the distilled ICV or mid-range standard for cyanide within acceptance limits (85-115%)? [___] ___ ✓

ACTION:
If no, Qualify all cyanide results ≥ MDL as "J".

1.13 CRQL Standard Analysis - Form IIB

1.13.1 For each ICP-AES run, was a CRI

	YES	NO	N/A
(CRQL or MDL when MDL > CRQL) standard analyzed? (Note:CRI is not required for Al, Ba, Ca, Fe, Mg, Na and K.)	[✓]		
For each ICP-MS run, was a CRI (CRQL or MDL when MDL > CRQL) standard analyzed for each mass/isotope used for the analysis?	[ ]		✓
For each mercury run, was a CRQL standard analyzed?	[✓]		
For each cyanide run, was a CRQL standard analyzed?	[ ]		✓

ACTION:
If no for any of the above, write this deficiency in the Contract Problems/ Non-Compliance Section of the Data Review Narrative, inform CLP PO and flag results in the affected ranges (detects <2xCRQL)as J and non-detects UJ.

The affected ranges are:
ICP-AES Analysis - *True Value ± CRQL
ICP-MS Analysis - *True Value ± CRQL
Mercury Analysis - *True Value ± CRQL
Cyanide Analysis - *True Value ± CRQL
* True value of the CRQL Standard

A.1.13.2	Was a CRQL standard analyzed after the ICV/ICB, before the final CCV/CCB and once every 20 analytical samples in the analytical run for each analysis?	[ ]	✓	

ACTION:
If no, write in the Contract Problem/ Non-Compliance Section of the "Data Review Narrative".

A.1.13.3 Circle on each Form IIB all percent recoveries that are outside the acceptance windows.

	YES	NO	N/A
Is the CRQL standard within control limits for:			
Metals(ICP-AES/ICP-MS)- 70 - 130%?	[✓]	___	___
Mercury- 70 - 130%?	[✓]	___	___
Cyanide - 70 - 130%?	[___]	___	✓

ACTION:
If no, flag detects <2xCRQL as "J" and non-detects as "UJ" if the CRQL standard recovery is between 50-69%. Flag(J) only detects <2xCRQL if the recovery is between 131% and ≤180%. If the recovery is less than 150%, reject(R) and red-line non-detects and detects < 2xCRQL, and flag (J) detects between 2xCRQL and ICV/CCV. Reject and red-line only detects <2xCRQL and flag (J)detects ≥ 2xCRQL but < ICV/CCV if the recovery is > 180%.

NOTE:
1. Qualify all field samples analyzed between a previous technically acceptable analysis of the CRQL standard and a subsequent acceptable analysis of the CRQL standard
2. Flag (J) or reject (R) only the final sample results on Form I's when Sample raw data are within the affected ranges and the CRQL standard is outside the acceptance windows.
3. The samples and the CRQL standard must be analyzed in the same analytical run.

A.1.14 Initial and Continuing Calibration Blanks - Form III

A.1.14.1 Present and complete for all the instruments used for the metals and cyanide analyses?	[✓]	___	___
Was an initial Calibration Blank analyzed after ICV?	[✓]	___	___
Was a continuing Calibration Blank analyzed after every CCV and every 10 samples or every 2 hours, whichever is more frequent?	[✓]	___	___
Were the ICB & CCB values ≥ MDL but < CRQL reported on Form III and flagged "J" by			

		YES	NO	N/A
	using MDLs from direct analysis(Preparation Method "NP1")? (Check Form III against the raw data)	[✓]	___	___
	ACTION: If no, inform CLP PO/TOPO and make a note in the Contract-Problems/Non-Compliance Section of the "Data Review Narrative".			
A.1.14.2	Circle with red pencil on each Form III all Calib. Blank values that are: ≥ MDL but ≤ CRQL; > CRQL			
A.1.14.2.1	When MDL < CRQL, is any Calib. Blank value ≥ MDL but ≤ CRQL?	✓	[___]	___
	ACTION: If yes, change sample results ≥ MDL but ≤ CRQL to the CRQL with a "U". Do not qualify non-detects.			
A.1.14.2.2	When MDL < CRQL, is any Calib. Blank value > CRQL?	___	[✓]	___
	ACTION: If yes, reject (R) and red line the associated sample results > CRQL but <ICB/CCB Blank Result. Flag as "J" detects > ICB/CCB blank value but < 10xICB/CCB value. Change the sample results ≥ MDL but ≤ the CRQL to CRQL with a "U".			
A.1.14.2.3	Is any Calibration Blank value below the negative CRQL?	___	[✓]	___
	ACTION: If yes, flag (J) as estimated all associated sample results ≥ CRQL but <10xCRQL.			

NOTE:

1. For ICB that does not meet the technical QC Criteria, apply the action to all samples

	YES	NO	N/A

reported from the analytical run.
2. For CCBs that do not meet the technical QC criteria, apply the action to all samples analyzed between a previous technically acceptable analysis of CCB and a subsequent technically acceptable analysis of the CCB in the analytical run.,

A.1.15 Preparation Blank - FORM III

NOTE: The Preparation Blank for mercury is the same as the calibration blank.

A.1.15.1 Was one Preparation Blank prepared with and analyzed for:

Each Sample Delivery Group (SDG)?	[✓]	___	___
Each batch of the SDG samples digested/distilled?	[✓]	___	___
Each matrix type?	[✓]	___	___
All instruments used for metals and cyanide analyses?	[✓]	___	___

ACTION:
If no for any of the above, flag as estimated (J) all the associated positive data <10xMDL for which the Preparation Blank was not analyzed.

NOTE:
If only one blank was analyzed for more than 20 samples, then the first 20 samples analyzed are not estimated(J), but all additional samples must be qualified (J).

.1.15.2 Circle with red pencil on each Form III all Prep. Blank values that are:

≥ MDL but ≤ CRQL, and

> CRQL

.1.15.2.1 When MDL < CRQL, is any preparation blank value ≥ MDL but ≤ CRQL? ___ [___] ___

ACTION:
If yes, change sample result ≥ MDL

		YES	NO	N/A
	but ≤ CRQL to CRQL with a "U".			
A.1.15.2.2	When the MDL ≤ CRQL, is any Preparation Blank value greater than its CRQL?	___	[✓]	___
	If yes, is the Prep. Blank value greater than the value of the associated Field Blank collected and analyzed with the SDG samples?	___	[✓]	___
	If yes, is the lowest concentration of that analyte in the associated samples less than 10 times the Preparation Blank value?	___	[✓]	___

ACTION:
If yes, reject (R) and red-line all associated sample results greater than the CRQL but less than the Prep.Blank value. Flag as "J" detects > Prep. Blank value but <10xPrep.Blank. If the sample result ≥ MDL but ≤ CRQL, replace it with CRQL-U.

If the Prep. Blank value is less than the same analyte value in the Field Blank, do not qualify the sample results due to the Prep. Blank criteria.

NOTE:
Convert soil sample result to mg/Kg on wet weight basis to compare with the soil Prep. Blank result on Form III.

A.1.15.2.3	Is the Prep. Blank concentration below the negative CRQL?	___	[✓]	___

ACTION:
If yes, flag (J) all associated sample results less than 10xCRQL. Qualify non-detects as estimated (UJ).

A.1.15.2.4	When the MDL is greater than the CRQL, is the preparation blank concentration on Form III greater than two times the MDL?	___	[___]	✓

ACTION:

		YES	NO	N/A
	If yes, reject (R) and red-line all positive sample results with sample raw data less than 10 times the Preparation Blank value.			
A.1.16	ICP-AES/ICP-MS Interference Check Sample (ICS)- Form IV NOTE:Not required for CN, Hg, Al, Ca, Fe and Mg.			
A.1.16.1	Present and complete?	[✓]	___	___
	Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical samples?	[___]	✓	___
	Was ICS analyzed at the beginning of the ICP-MS analytical run?	[___]	___	✓
	ACTION: If no, flag as estimated (J) all sample results.			
A.1.16.2	ICP-AES Method			
A.1.16.2.1	ICSA Solution: For ICP-AES, are the ICSA "Found" analyte values within the control limits ± of CRQL of the true/established mean value?	[✓]	___	___
	If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSA Solution on Form IV?	[___]	___	✓
	ACTION: If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run: Flag (J) as estimated only sample results ≥MDL			

	YES	NO	N/A

for which the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag non-detects as "UJ" and detects as "J".

A.1.16.2.3 ICSAB Solution

For ICP-AES, are all analyte results in ICSAB within the control limits of 80-120 of the true/established mean value? [✓] ___ ___

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSAB Solution on Form IV? [___] ___ ✓

ACTION:
If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated those associated sample results ≥ MDL for which the ICSAB analyte recovery is greater than 120% but ≤ 150%. If the ICSAB recovery falls within 50-79%, qualify sample results ≥ MDL as "J" and non-detects as "UJ". Reject (R) and red-line all sample results (detects & non-detects) for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only positive results.

A.1.16.3 ICP-MS Method

A.1.16.3.1 ICSA Solution:

For ICP-MS, are the ICSA "Found" analyte values within the control limits of ±CRQL of the true/established mean value? [___] ___ ✓

ACTION:
If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated only sample results ≥ MDL if the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag the associated sample detects as "J" and non-detects as "UJ".

		YES	NO	N/A
A.1.16.3.3	ICSAB Solution For ICP-MS, are all analyte results in ICSAB within the control limits of 80-120% of the true/established mean value, whichever is greater?	[___]	___	✓

ACTION:
If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated those associated sample results ≥ MDL for which the ICSAB analyte recovery is greater than 120% but ≤ 150%. If the ICSAB recovery falls within 50-79% flag (J) as estimated the associated sample results ≥ MDL. Reject (R) and red-line those all sample detects and non-detects for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only detects (≥ MDL).

A.1.17 Spiked Sample Recovery: Pre-Digestion/Pre-Distillation)-Form V A

Note: Not required for Ca, Mg, K, and Na (both matrices); Al and Fe (soil only)

A.1.17.1	Was Matrix Spike analysis performed:			
	For each matrix type?	[✓]	___	___
	For each SDG?	[✓]	___	___
	On one of the SDG samples?	[✓]	___	___
	For each concentration range (i.e., low, med., high)?	[✓]	___	___
	For each analytical Method (ICP-AES, ICP-MS, Hg, CN) used?	[✓]	___	___
	Was a spiked sample prepared and analyzed with the SDG samples?	[✓]	___	___

ACTION:
If no for any of the above, flag as estimated (J) all the positive data for which a spiked sample was not analyzed.

NOTE:
If more than one spiked sample were analyzed for one SDG, then qualify the associated data based on the worst spiked sample analysis.

		YES	NO	N/A
A.1.17.2	Was a field blank or PE sample used for the spiked sample analysis?	___	[✓]	___
	ACTION: If yes, flag (J) as estimated positive data of the associated SDG samples for which field blank or PE sample was used for the spiked sample analysis.			
A.1.17.3	Circle on each Form VA all spike recoveries that are outside the control limits (75-125%) that have sample concentrations less than four times the added spike concentrations.			
	Are all recoveries within the control limits when sample concentrations are less than or equal to four times the spike concentrations? NOTE: Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.	[___]	/	___
	Are results outside the control limits (75-125%) flagged with Lab Qualifier "N" on Form I's and Form VA?	[___]	/	___
	ACTION: If no for any of the above, write in the Contract - Problems/Non-Compliance Section of the Data Review Narrative.			
A.1.17.4	Aqueous			
	Are any spike recoveries:			
	(a) less than 30%?	___	[___]	/
	(b) between 30-74%?	___	[___]	/
	(c) between 126-150%?	___	[___]	/
	(d) greater than 150%?	___	[___]	/
	ACTION: If the matrix spike recovery is less than 30%, reject (R) and red-line all associated aqueous data (detects & non-detects). If between 30-74%, qualify all associated aqueous data ≥ MDL as "J" and non-detects			

	YES	NO	N/A

as "UJ". If between 126-150%, flag (J) all data ≥ MDL as "J". If greater than 150%, reject (R) and red-line all associated data ≥ MDL.

(NOTE:Replace "N" with "J", "R" as appropriate.)

A.1.17.5 Soil/Sediment

Are any spike recoveries:

(a) less than 10%?	___	[✓]	___
(b) between 10-74%?	✓	[___]	___
(c) between 126-200%?	✓	[___]	___
(d) greater than 200%?	✓	[___]	___

ACTION:
If yes for any of the above, proceed as follows:

If the matrix spike recovery is less than 10%, reject (R) and red-line all associated data (detects & non-detects); if between 10-74%, qualify all associated data ≥ MDL as "J" and non-detects as "UJ"; if between 126-200%, flag (J) all associated data ≥ MDL as "J" If greater than 200%, reject (R) and red-line all associated data ≥ MDL.
(NOTE:Replace "N" with "J" or "R" as appropriate.)

>200% detected results were not rejected by professional judgement

A.1.18 Lab Duplicates) - Form VI

A.1.18.1 Was the lab duplicate analysis performed:

For each SDG?	[✓]	___	___
On one of the SDG samples?	[___]	✓	___
For each matrix type?	[___]	✓	___
For each concentration range (low or med.)?	[___]	✓	___
For each analytical Method (ICP-AES/ICP-MS, Hg, CN) Used?	[___]	✓	___
Was a lab duplicate prepared and analyzed with the SDG samples?	[___]	✓	___

		YES	NO	N/A
	ACTION: If no for any of the above, flag (J) as estimated all the SDG sample results (detects & non-detects) for which the lab duplicate analysis was not performed.			
	NOTE: If more than one lab duplicate sample were analyzed for an SDG, then qualify the associated samples based on the worst lab duplicate analysis.			
A.1.18.2	Was a Field Blank or PE sample used for the Lab Duplicate analysis?	___	[___]	✓
	ACTION: If yes, flag as estimated (J) all SDG sample results (hits & non-detects) for which Field Blank or PE sample was used for duplicate analysis.			
A.1.18.3	Circle on each Form VI all values that are:			
	RPD > 20%, or			
	Absolute Difference > CRQL			
	Are all values within control limits (RPD ≤ 20% or absolute difference ≤ ±CRQL)?	[___]	___	✓
	If no, are all results outside the control limits flagged with an "*" (Lab Qualifier) on Form VI and on all Form I's?	[___]	___	✓
	ACTION: If no, write in the Contract-Problems/ Non-Compliance Section of the Data Review Narrative.			
	NOTE: The laboratory is not required to report on Form VI the RPD when both values are non-detects.			
A.1.18.4	Aqueous			
A.1.18.4.1	When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),			

	YES	NO	N/A
is any RPD > 20% but < 100%?	___	[___]	✓
is any RPD ≥ 100%?	___	[___]	✓

ACTION:
If the RPD is > 20% but < 100%, flag (J) as estimated the associated sample data ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line the associated sample data ≥ CRQL.

(NOTE:Replace "*" with "J" or "R" as appropriate.)

A.1.18.4.2 When the sample and/or duplicate value <5xCRQL (substitute MDL for CRQL when MDL >CRQL), is the absolute difference between sample and duplicate values:

> ± CRQL?	___	[___]	✓
> ± 2xCRQL?	___	[___]	✓

ACTION:
If the absolute difference is > CRQL, flag as estimated all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 2xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but < 5xCRQL.

NOTE:
1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

..1.18.5 Soil/Sediment

..1.18.5.1 When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 35% but < 120%?	___	[___]	✓
is any RPD ≥ 120%?	___	[___]	✓

ACTION:
If the RPD is ≥ 35% and < 120%, flag (J) as estimated the associated sample

		YES	NO	N/A
	data ≥ CRQL. If the RPD is ≥ 120%, reject (R) and red-line the associated sample data ≥ CRQL.			
A.1.18.5.2	When the sample and/or duplicate value <5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and duplicate:			
	> ± 2 x CRQL?	___	[___]	___
	> ± 4 x CRQL	___	[___]	___

ACTION:
If the absolute difference is > 2 x CRQL, flag all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 4xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but <5xCRQL.

NOTE:
1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

A.1.19 Field Duplicates

Aqueous Field Duplicates

		YES	NO	N/A
A.1.19.1	Was an aqueous Field Duplicate pair collected and analyzed? (Check Sampling Trip Report)	[___]	✓	___

ACTION:
If yes, prepare a Form (Appendix A.4) for each aqueous Field Duplicate pair. Report the sample and Field Duplicate results on Appendix A.4 from their respective Form I's. Calculate and report RPD on Appendix A.4 when sample and its Field Duplicate values are both > 5xCRQL. Calculate and report the absolute difference on Appendix A.4 when at least one value (sample or duplicate) is <5xCRQL. Evaluate the aqueous Field Duplicate analysis in accordance with the

	YES	NO	N/A

QC criteria stated in Sections A.1.19.2 and A.1.19.3.

NOTE:
1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this the criteria to qualify the results.

A.1.19.2 Circle all values on the Form (Appendix A.4) for Field Duplicates that have:

RPD ≥ 20% or

Difference > ± CRQL

When sample and duplicate values are both ≥5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 20%?	___	[___]	___
is any RPD ≥ 100%?	___	[___]	___

ACTION:
If the RPD is >20% but < 100%, flag (J) only the associated sample and its Field Duplicate results ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line only the associated sample and its Field Duplicate result ≥ CRQL.

A.1.19.3 When the sample and/or duplicate value(s) <5xCRQL (substitute MDL for CRQL when MDL >CRQL), is the absolute difference between sample and duplicate:

> ± CRQL?	___	[___]	___
> ± 2 x CRQL?	___	[___]	___

ACTION:
If the absolute difference is > CRQL, flag detects ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the difference is > 2xCRQL, reject (R) and red-line non-detects

		YES	NO	N/A
	and results ≥ MDL but <5xCRQL of the sample and its Field Duplicate.			
	Soil/Sediment Field Duplicates			
A.1.19.4	Was a soil field duplicate pair collected and analyzed? (Check Sampling Trip Report)	[✓]	___	___

ACTION:
If yes, for each soil Field Duplicate pair proceed as follows:

Prepare Appendix A.4 for each Field Duplicate pair. Report on Appendix A.4 all sample and its Field Duplicate results in MG/KG from their respective Form I's. Calculate and report RPD when sample and its duplicate values are both greater than 5xCRQL. Calculate and report the absolute difference when at least one value (sample or duplicate)is < 5xCRQL. Evaluate the Field Duplicate analysis in accordance with the QC Criteria stated in Sections A.1.19.5 and A.1.19.6.

NOTE:
1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and apply the criteria to qualify the results.

		YES	NO	N/A
A.1.19.5	Circle on each Appendix A.4 all values that have:			
	RPD ≥ 35%, or Difference > ± 2xCRQL When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),			
	is any RPD ≥ 35% but < 120%?	___	[___]	✓
	is any RPD ≥ ~~120%~~ 60%?	___	[✓]	___

ACTION:
If the RPD is ≥ 35% but < 120%,

		YES	NO	N/A
	flag only the associated sample and its Field Duplicate results ≥ CRQL as "J". If the RPD is ≥ 120%, reject (R) and red-line only the sample and its Field Duplicate results ≥ CRQL.			
A.1.19.6	When the sample and/or duplicate value(s) <5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and Field Duplicate:			
	> ± 2 x CRQL?	✓	[ ]	
	> ~~± 4 x CRQL?~~ ✓		[ ]	✓
	ACTION: If the absolute difference is > 2xCRQL, flag Sample and its Field Duplicate resuts ≥ MDL but <5xCRQL as "J" and non-detects as "UJ". If the difference is >4xCRQL, reject(R) and red-line non-detects and detects ≥ MDL but <5xCRQL of the sample and its Field Duplicate.			
A.1.20	Laboratory Control Sample (LCS)- Form VII			
A.1.20.1	Was one LCS prepared and analyzed for:			
	Each SDG?	[✓]		
	Each matrix type?	[✓]		
	Each batch samples digested/distilled?	[✓]		
	For each Method(ICP-AES,ICP-MS,Hg,CN) used?	[✓]		
	Was an LCS prepared and analyzed with the samples?	[✓]		
	ACTION: If no for any of the above, prepare Telephone Record Log and contact CLP PO or TOPO for submittal of the LCS results. Flag (J) as estimated all the data for which an LCS was not analyzed.			
	NOTE: If only one LCS was analyzed for			

	YES	NO	N/A

more than 20 samples, then the first 20 samples analyzed are not flagged(J), but all additional samples must be qualified (J).

A.1.20.2 Aqueous LCS

Circle on each Form VII the LCS percent recoveries outside control limits 80-120%.

NOTE: 1.Use digested ICV as LCS for aqueous mercury
2.Use distilled ICV as LCS for aqueous cyanide

Is any LCS recovery:

Less than 50%?	___	[/]	___
Between 50% and 79%?	___	[/]	___
Between 121% and 150%?	___	[/]	___
Greater than 150%?	___	[X]	___

ACTION:
If the LCS recovery is less than 50%, reject (R) and red-line all associated sample data (detects & non-detects); for a recovery between 50-79%, flag detects as "J" all non-detects as "UJ". if the LCS recovery is between 121-150%, flag only detects as "J". if the recovery is greater than 150%, reject (R) and red-line all detects.

A.1.20.3 Solid LCS

If an analyte's MDL is equal to or greater than the true value of LCS, disregard the "Action" below for that analyte even though the LCS is out of control limits.

Is the LCS "Found" value greater than the Upper Control Limit reported on Form VII?	___	[/]	___

ACTION:

		YES	NO	N/A
	If yes, flag (J) all the associated detects ≥ MDL as estimated (J).			
	Is the LCS "Found" value lower than the Lower Control Limit reported on Form VII?	___	[✓]	___
	ACTION: If yes, flag detects as "J" and non-dectes as "UJ".			
A.1.21	ICP-AES/ICP-MS Serial Dilution - Form VIII NOTE: Serial dilution analysis is required only when the initial concentration is equal to or greater than 50 x MDL.			
A.1.21.1	Was a Serial Dilution analysis performed:			
	For each SDG?	[✓]	___	___
	On one of the SDG samples?	[✓]	___	___
	For each matrix type?	[✓]	___	___
	For each concentration range (low or med.)?	[✓]	___	___
	Was a Serial Dilution sample analyzed with the SDG samples?	[✓]	___	___
	ACTION: If no for any of the above, flag as estimated (J) detects ≥ MDL of all the SDG samples for which the ICP Serial Dilution Analysis was not performed.			
A.1.21.2	Was a Field Blank or PE sample used for the Serial Dilution Analysis?	___	[✓]	___
	ACTION: If yes, flag as estimated (J) detects ≥ MDL of all the SDG samples			
A.1.21.3	Circle on Form VIII the Percent Differences (%D) between sample results and its dilution results that are outside the control limits ± 10%			

		YES	NO	N/A
	when initial concentrations ≥ 50 x MDLs.			
	Are results outside the control limits flagged with an "E"(Lab Qualifier) on Form VIII and all Form I's?	[___]	___	✓
	ACTION: If no, write in the Contract-Problem/ Non-Compliance Section of the Data Review Narrative.			
A.1.21.4	Are any %D values:			
	> 10%?	___	[✓]	___
	≥ 100%?	___	[✓]	___
	ACTION: If the Percent Difference (%D) is greater than 10%, flag (J) as estimated all associated samples whose raw data ≥ MDL; if the %D is ≥ 100%, reject (R) and red-line all associated samples with raw data ≥ MDL.			
	(NOTE:Replace "E" with "J" or "R" as appropriate.)			
A.1.22	Total/Dissolved or Inorganic/Total Analytes			
A.1.22.1	Were any analyses performed for dissolved as well as total analytes on the same sample(s)?	___	[✓]	___
	Were any analyses performed for inorganic as well as total analytes on the same sample(s)?	___	[✓]	___
	ACTION: If yes, prepare a Form (Appendix A.5) to compare the differences between dissolved (or inorganic)and total analyte concentrations. Compute each difference on Appendix A.5 as a percent of the total analyte only when both of the following conditions are fulfilled:			
	(1) The dissolved(or inorganic)concentration is greater than total concentration, and (2) greater than or equal to 5xMDL.			
.1.22.2	Is any dissolved (or inorganic) concentration greater than its total concentration by more than 20%?	___	[___]	✓

		YES	NO	N/A
A.1.22.3	Is any dissolved (or inorganic) concentration greater than its total concentration by more than 50%?	___	[___]	___ /
	ACTION: If the percent difference is greater than 20%, flag (J) both dissolved/inorganic and total concentrations as estimated. If the difference is more than 50%, reject (R) and red-line both the values.			
A.1.23	Field Blank - Form I NOTE: Designate "Field Blank" as such on Form I			
A.1.23.1	Was a Field/Rinsate Bank collected and analyzed with the SDG samples?	[___] /	___	___
	If yes, is any Field/Rinsate Blank absolute value of an analyte on Form I greater than its CRQL (or 2xMDL when MDL>CRQL)?	___	[___] /	___
	If yes, circle the Field Blank value on Form I that is greater than the CRQL, (or 2 x MDL when MDL > CRQL).			
	Is any Field Blank value greater than CRQL also greater than the Preparation Blank value?	___	[___]	___ /
	If yes, is the Field Blank value (> CRQL and > the prep. blank value) already rejected due to other QC criteria?	[___]	___	___ /
	ACTION: If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result ≥ MDL but ≤ CRQL, replace it with CRQL-U.			
	If the Field Blank value is less than the			

		YES	NO	N/A
	Prep.Blank value, do not qualify the sample results due to the Field Blank criteria.			
	NOTE: 1. Field Blank result previously rejected due to other criteria cannot be used to qualify field samples. 2. Do not use Rinsate Blank associated with soils to qualify water samples and vice versa.			
A.1.24	Verification of Instrumental Parameters - Form IX, XA, XB, XI			
A.1.24.1	Is verification report present for:			
	Method Detection Limits (Form IX-Annually)?	[✓]	___	___
	ICP-AES Interelement Correction Factors (Form XA & XB -Quarterly)?	[✓]	___	___
	ICP-AES & ICP-MS Linear Ranges (Form XI-Quarterly)?	[✓]	___	___
	ACTION: If no, contact CLP PO/TOPO for submittal from the laboratory.			
A.1.24.2	Method Detection Limits - Form IX			
A.1.24.2.1	Are MDLs present on Form IX for:			
	All the analytes?	[✓]	___	___
	All the instruments used?	[✓]	___	___
	Digested and undigested samples and Calib.Blanks?	✓ [___]	___	___
	ICP-AES and ICP-MS when both instruments are used for the same analyte?	[___]	___	✓
	ACTION: If no for any of the above, prepare Telephone Record Log and contact CLP PO/TOPO for submittal of the MDLs from the laboratory. Report to CLP PO and write in the Contract Problems/ Non-Compliance Section of the Data Review Narrative if the MDL concentration is not less than ½ CRQL.			

		YES	NO	N/A
A.1.24.2.2	Is MDL greater than the CRQL for any analyte?	___	[✓]	___
	If yes, is the analyte concentration on Form I greater than 5 x MDL for the sample analyzed on the instrument whose MDL exceeds CRQL?	[___]	___	✓
	ACTION: If no, flag as estimated (J) all values less than five times MDL for the analyte whose MDL exceeds the CRQL.			
A.1.24.3	Linear Ranges - Form XI			
A.1.24.3.1	Was any sample result higher than the high linear range for ICP-AES or ICP-MS?	___	[✓]	___
	Was any sample result higher than the highest calibration standard for mercury or cyanide?	___	[✓]	___
	If yes for any of the above, was the sample diluted to obtain the result reported on Form I?	[___]	___	✓
	ACTION: If no, flag (J) as estimated the affected detects (≥ MDL) reported on Form I.			
A.1.25	ICP-MS Tune Analysis - Form XIV			
A.1.25.1	Was the ICP-MS instrument tuned prior to calibration?	[___]	___	✓
	ACTION: If no, reject (R) and red-line all sample data for which tuning was not performed.			
A.1.25.2	Was the tuning solution analyzed or scanned at least five times consecutively?	[___]	___	✓
	Were all the required isotopes spanning the analytical range present in the tuning solution?	[___]	___	✓
	Was the mass resolution within			

		YES	NO	N/A
	0.1 amu for each isotope in the tuning solution?	[___]	___	✓
	Was %RSD less than 5% for each isotope of each analyte in the tuning solution?	[___]	___	✓
	ACTION: If no for any of the above, qualify all results ≥ MDL associated with that Tune as estimated "J", and all non-detects associated with that Tune as "UJ".			
A.1.26	ICP-MS Internal Standards - Form XV			
A.1.26.1	Were the Internal Standards added to all the samples and all QC samples and calibration standards (except the Tuning Solution)?	[___]	___	✓
	Were all the target analyte masses bracketed by the masses of the five internal standards?	[___]	___	✓
	ACTION: If none of the Internal Standards was added to the samples, reject (R) and red-line all the associated sample data (detects & non-detects). If internal standards were used but did not cover all the analyte masses, reject (R) and red-line only the analyte results not bracketed by the internal standard masses.			
A.1.26.2	Was the intensity of an Internal Standard in each sample within 60-125% of the intensity of the same Internal Standard in the calibration blank?	[___]	___	✓
	If no, was the original sample diluted two fold, Internal Standard added and the sample re-analyzed?	[___]	___	✓
	Was the %RI for the two fold diluted sample within the acceptance limits (60-125%)?	[___]	___	✓
	ACTION: If no for any of the above, flag detects as "J" and non-detects "UJ" of all the analytes with atomic masses between the atomic mass of the internal standard lighter			

than the affected internal standard, and the atomic mass of the internal standard heavier than the affected internal standard.

A.1.27 Percent Solids of Sediments

A.1.27.1 Are percent solids in sediment(s):

< 50%? ___ [✓] ___

ACTION:
If yes, qualify as estimated (J) all detects and non-detects of a sample that has percent solids less than 50%(i.e.,moisture content greater than 50%).

NOTE:
Flag(J) only the sample results that were not previously flagged due to other QC criteria.

Inorganic Data Review Narrative

Case# _____ Site: _____ Matrix: Soil ____

SDG# _____ Lab: _____ Water ____

Sampling Team: _____ Reviewer: _____ Other _____

A.2.1 Data Validation Flags:
The following flags may have been applied in red by the data validator and must be considered by the data user.

J - This flag indicates the result qualified as estimated

R and Red-Line - A red-line drawn through a sample result indicates unusable value. The red-lined data are known to contain significant errors based on documented information and must not be used by the data user.

U - This data validation qualifier is applied to sample results ≥ MDL when associated blank is contaminated

Fully Usable Data - The results that do not carry "J" or "red-line" are fully usable.

A.2.2 Laboratory Qualifiers:
The CLP laboratory applies a contractual qualifier on all

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681931A	4801681931A	SILVER	3/6/2014			Yes	N	U		U	0.0030	0.0017	mg/l
4801681931A	4801681931A	ARSENIC	3/6/2014			Yes	N	U		U	0.010	0.0056	mg/l
4801681931A	4801681931A	ALUMINUM	3/6/2014			Yes	N	U		U	0.20	0.060	mg/l
4801681931A	4801681931A	ANTIMONY	3/6/2014			Yes	N	U		U	0.020	0.0068	mg/l
4801681931A	4801681931A	ZINC	3/6/2014	0.0021		Yes	Y	J		J	0.010	0.0015	mg/l
4801681931A	4801681931A	VANADIUM	3/6/2014			Yes	N	U		U	0.0050	0.0015	mg/l
4801681931A	4801681931A	SODIUM	3/6/2014			Yes	N	U		U	1.0	0.32	mg/l
4801681931A	4801681931A	SELENIUM	3/6/2014			Yes	N	U		U	0.015	0.0087	mg/l
4801681931A	4801681931A	POTASSIUM	3/6/2014			Yes	N	U		U	0.50	0.10	mg/l
4801681931A	4801681931A	NICKEL	3/6/2014			Yes	N	U		U	0.010	0.0013	mg/l
4801681931A	4801681931A	MANGANESE	3/6/2014			Yes	N	U		U	0.0030	0.00040	mg/l
4801681931A	4801681931A	MAGNESIUM	3/6/2014			Yes	N	U		U	0.20	0.043	mg/l
4801681931A	4801681931A	IRON	3/6/2014			Yes	N	U		U	0.050	0.019	mg/l
4801681931A	4801681931A	COPPER	3/6/2014			Yes	N	U		U	0.010	0.0016	mg/l
4801681931A	4801681931A	COBALT	3/6/2014			Yes	N	U		U	0.0040	0.00063	mg/l
4801681931A	4801681931A	CHROMIUM, TOTAL	3/6/2014			Yes	N	U		U	0.0040	0.0010	mg/l
4801681931A	4801681931A	CALCIUM	3/6/2014			Yes	N	U		U	0.50	0.10	mg/l
4801681931A	4801681931A	CADMIUM	3/6/2014			Yes	N	U		U	0.0010	0.00050	mg/l
4801681931A	4801681931A	BERYLLIUM	3/6/2014			Yes	N	U		U	0.0020	0.00030	mg/l
4801681931A	4801681931A	BARIUM	3/6/2014	0.00176		Yes	Y	J		J	0.0020	0.00070	mg/l
4801681931A	4801681931A	LEAD	3/6/2014			Yes	N	U		U	0.0050	0.0030	mg/l
4801681931A	4801681931A	THALLIUM	3/6/2014			Yes	N	U		U	0.020	0.010	mg/l
4801684871A	4801684871A	ANTIMONY	3/8/2014			Yes	N	U		U	78.3	0.42	mg/kg
4801684871A	4801684871A	ALUMINUM	3/8/2014			Yes	N	U		U	52.2	4.6	mg/kg
4801684871A	4801684871A	ARSENIC	3/8/2014			Yes	N	U		U	10.4	0.42	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801684871A	4801684871A	BARIUM	3/8/2014			Yes	N	U		U	2.6	0.11	mg/kg
4801684871A	4801684871A	BERYLLIUM	3/8/2014			Yes	N	U		U	1.0	0.029	mg/kg
4801684871A	4801684871A	CADMIUM	3/8/2014			Yes	N	U		U	1.0	0.031	mg/kg
4801684871A	4801684871A	CALCIUM	3/8/2014			Yes	N	U		U	261	3.4	mg/kg
4801684871A	4801684871A	CHROMIUM, TOTAL	3/8/2014			Yes	N	U		U	2.6	0.21	mg/kg
4801684871A	4801684871A	COBALT	3/8/2014			Yes	N	U		U	2.6	0.052	mg/kg
4801684871A	4801684871A	COPPER	3/8/2014			Yes	N	U		U	5.2	0.22	mg/kg
4801684871A	4801684871A	IRON	3/8/2014	1.21		Yes	Y	J		J	52.2	1.1	mg/kg
4801684871A	4801684871A	SODIUM	3/8/2014			Yes	N	U		U	731	13.6	mg/kg
4801684871A	4801684871A	LEAD	3/8/2014			Yes	N	U		U	5.2	0.25	mg/kg
4801684871A	4801684871A	THALLIUM	3/8/2014			Yes	N	U		U	31.3	0.31	mg/kg
4801684871A	4801684871A	ZINC	3/8/2014	0.19		Yes	Y	J		J	10.4	0.16	mg/kg
4801684871A	4801684871A	SILVER	3/8/2014			Yes	N	U		U	2.6	0.21	mg/kg
4801684871A	4801684871A	SELENIUM	3/8/2014			Yes	N	U		U	20.9	0.42	mg/kg
4801684871A	4801684871A	POTASSIUM	3/8/2014			Yes	N	U		U	157	20.9	mg/kg
4801684871A	4801684871A	NICKEL	3/8/2014			Yes	N	U		U	26.1	0.24	mg/kg
4801684871A	4801684871A	MANGANESE	3/8/2014			Yes	N	U		U	1.0	0.033	mg/kg
4801684871A	4801684871A	MAGNESIUM	3/8/2014			Yes	N	U		U	104	0.97	mg/kg
4801684871A	4801684871A	VANADIUM	3/8/2014			Yes	N	U		U	2.6	0.11	mg/kg
4801689861A	4801689861A	MAGNESIUM	3/10/2014			Yes	N	U		U	101	0.93	mg/kg
4801689861A	4801689861A	MANGANESE	3/10/2014	0.0402		Yes	Y	J		J	1.0	0.032	mg/kg
4801689861A	4801689861A	NICKEL	3/10/2014			Yes	N	U		U	25.2	0.23	mg/kg
4801689861A	4801689861A	POTASSIUM	3/10/2014			Yes	N	U		U	151	20.1	mg/kg
4801689861A	4801689861A	SELENIUM	3/10/2014			Yes	N	U		U	20.1	0.40	mg/kg
4801689861A	4801689861A	SILVER	3/10/2014			Yes	N	U		U	2.5	0.20	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801689861A	4801689861A	SODIUM	3/10/2014		Yes	N	U		U	704	13.1	mg/kg
4801689861A	4801689861A	LEAD	3/10/2014		Yes	N	U		U	5.0	0.24	mg/kg
4801689861A	4801689861A	VANADIUM	3/10/2014		Yes	N	U		U	2.5	0.11	mg/kg
4801689861A	4801689861A	BERYLLIUM	3/10/2014		Yes	N	U		U	1.0	0.028	mg/kg
4801689861A	4801689861A	THALLIUM	3/10/2014		Yes	N	U		U	30.2	0.30	mg/kg
4801689861A	4801689861A	IRON	3/10/2014	3.58	Yes	Y	J		J	50.3	1.1	mg/kg
4801689861A	4801689861A	COPPER	3/10/2014		Yes	N	U		U	5.0	0.21	mg/kg
4801689861A	4801689861A	COBALT	3/10/2014		Yes	N	U		U	2.5	0.050	mg/kg
4801689861A	4801689861A	CHROMIUM, TOTAL	3/10/2014	0.407	Yes	Y	J		J	2.5	0.20	mg/kg
4801689861A	4801689861A	ALUMINUM	3/10/2014		Yes	N	U		U	50.3	4.4	mg/kg
4801689861A	4801689861A	CADMIUM	3/10/2014		Yes	N	U		U	1.0	0.030	mg/kg
4801689861A	4801689861A	ARSENIC	3/10/2014		Yes	N	U		U	10.1	0.40	mg/kg
4801689861A	4801689861A	ANTIMONY	3/10/2014		Yes	N	U		U	75.5	0.40	mg/kg
4801689861A	4801689861A	ZINC	3/10/2014	0.176	Yes	Y	J		J	10.1	0.15	mg/kg
4801689861A	4801689861A	BARIUM	3/10/2014		Yes	N	U		U	2.5	0.11	mg/kg
4801689861A	4801689861A	CALCIUM	3/10/2014	4.04	Yes	Y	J		J	252	3.3	mg/kg
DUP033-20140226	480-55330-11	ZINC	3/8/2014	20.7	Yes	Y	B	J	J	10.4	0.16	mg/kg
DUP033-20140226	480-55330-11	POTASSIUM	3/8/2014	479	Yes	Y		J	J	156	20.9	mg/kg
DUP033-20140226	480-55330-11	LEAD	3/8/2014	5.6	Yes	Y				5.2	0.25	mg/kg
DUP033-20140226	480-55330-11	COPPER	3/8/2014	13	Yes	Y				5.2	0.22	mg/kg
DUP033-20140226	480-55330-11	ANTIMONY	3/8/2014		Yes	N	U		U	78.2	0.42	mg/kg
DUP033-20140226	480-55330-11	ALUMINUM	3/8/2014	9850	Yes	Y		J	J	52.1	4.6	mg/kg
DUP033-20140226	480-55330-11	BARIUM	3/8/2014	38.4	Yes	Y				2.6	0.11	mg/kg
DUP033-20140226	480-55330-11	SILVER	3/8/2014		Yes	N	U		U	2.6	0.21	mg/kg
DUP033-20140226	480-55330-11	BERYLLIUM	3/8/2014	0.63	Yes	Y	J		J	1.0	0.029	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
DUP033-20140226	480-55330-11	CADMIUM	3/8/2014	0.06	Yes	Y	J		J	1.0	0.031	mg/kg
DUP033-20140226	480-55330-11	CALCIUM	3/8/2014	17.9	Yes	Y	J		J	261	3.4	mg/kg
DUP033-20140226	480-55330-11	CHROMIUM, TOTAL	3/8/2014	34	Yes	Y				2.6	0.21	mg/kg
DUP033-20140226	480-55330-11	ARSENIC	3/8/2014	3.6	Yes	Y	J		J	10.4	0.42	mg/kg
DUP033-20140226	480-55330-11	NICKEL	3/8/2014	17.9	Yes	Y	J		J	26.1	0.24	mg/kg
DUP033-20140226	480-55330-11	VANADIUM	3/8/2014	17	Yes	Y				2.6	0.11	mg/kg
DUP033-20140226	480-55330-11	SELENIUM	3/8/2014		Yes	N	U		U	20.9	0.42	mg/kg
DUP033-20140226	480-55330-11	SODIUM	3/8/2014	15.5	Yes	Y	J		J	730	13.6	mg/kg
DUP033-20140226	480-55330-11	THALLIUM	3/8/2014		Yes	N	U		U	31.3	0.31	mg/kg
DUP033-20140226	480-55330-11	IRON	3/8/2014	29200	Yes	Y	B	J	J	52.1	1.1	mg/kg
DUP033-20140226	480-55330-11	MANGANESE	3/8/2014	70.5	Yes	Y		J	J	1.0	0.033	mg/kg
DUP033-20140226	480-55330-11	COBALT	3/8/2014	4.5	Yes	Y		J	J	2.6	0.052	mg/kg
DUP033-20140226	480-55330-11	MAGNESIUM	3/8/2014	496	Yes	Y		J	J	104	0.97	mg/kg
FB031-20140226	480-55330-24	BARIUM	3/6/2014		Yes	N	U		U	0.0020	0.00070	mg/l
FB031-20140226	480-55330-24	BERYLLIUM	3/6/2014		Yes	N	U		U	0.0020	0.00030	mg/l
FB031-20140226	480-55330-24	ANTIMONY	3/6/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB031-20140226	480-55330-24	ARSENIC	3/6/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB031-20140226	480-55330-24	VANADIUM	3/6/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB031-20140226	480-55330-24	MAGNESIUM	3/6/2014		Yes	N	U		U	0.20	0.043	mg/l
FB031-20140226	480-55330-24	POTASSIUM	3/6/2014		Yes	N	U		U	0.50	0.10	mg/l
FB031-20140226	480-55330-24	ALUMINUM	3/6/2014		Yes	N	U		U	0.20	0.060	mg/l
FB031-20140226	480-55330-24	ZINC	3/6/2014	0.0062	Yes	Y	BJ	U	U	0.010	0.0015	mg/l
FB031-20140226	480-55330-24	THALLIUM	3/6/2014		Yes	N	U		U	0.020	0.010	mg/l
FB031-20140226	480-55330-24	SELENIUM	3/6/2014		Yes	N	U		U	0.015	0.0087	mg/l
FB031-20140226	480-55330-24	SODIUM	3/6/2014	0.55	Yes	Y	J		J	1.0	0.32	mg/l

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB031-20140226	480-55330-24	MANGANESE	3/6/2014			Yes	N	U		U	0.0030	0.00040	mg/l
FB031-20140226	480-55330-24	CADMIUM	3/6/2014			Yes	N	U		U	0.0010	0.00050	mg/l
FB031-20140226	480-55330-24	LEAD	3/6/2014			Yes	N	U		U	0.0050	0.0030	mg/l
FB031-20140226	480-55330-24	IRON	3/6/2014			Yes	N	U		U	0.050	0.019	mg/l
FB031-20140226	480-55330-24	COPPER	3/6/2014			Yes	N	U		U	0.010	0.0016	mg/l
FB031-20140226	480-55330-24	COBALT	3/6/2014			Yes	N	U		U	0.0040	0.00063	mg/l
FB031-20140226	480-55330-24	CHROMIUM, TOTAL	3/6/2014			Yes	N	U		U	0.0040	0.0010	mg/l
FB031-20140226	480-55330-24	CALCIUM	3/6/2014	0.22		Yes	Y	J		J	0.50	0.10	mg/l
FB031-20140226	480-55330-24	NICKEL	3/6/2014			Yes	N	U		U	0.010	0.0013	mg/l
FB031-20140226	480-55330-24	SILVER	3/6/2014			Yes	N	U		U	0.0030	0.0017	mg/l
LT-C-064-0-2-20140226	480-55330-18	COPPER	3/10/2014	4.9		Yes	Y	J		J	5.7	0.24	mg/kg
LT-C-064-0-2-20140226	480-55330-18	VANADIUM	3/10/2014	13.2		Yes	Y				2.9	0.13	mg/kg
LT-C-064-0-2-20140226	480-55330-18	THALLIUM	3/10/2014			Yes	N	U		U	34.3	0.34	mg/kg
LT-C-064-0-2-20140226	480-55330-18	SODIUM	3/10/2014	24.7		Yes	Y	J		J	801	14.9	mg/kg
LT-C-064-0-2-20140226	480-55330-18	SILVER	3/10/2014			Yes	N	U		U	2.9	0.23	mg/kg
LT-C-064-0-2-20140226	480-55330-18	SELENIUM	3/10/2014	0.57		Yes	Y	J		J	22.9	0.46	mg/kg
LT-C-064-0-2-20140226	480-55330-18	POTASSIUM	3/10/2014	453		Yes	Y				172	22.9	mg/kg
LT-C-064-0-2-20140226	480-55330-18	NICKEL	3/10/2014	6.5		Yes	Y	J		J	28.6	0.26	mg/kg
LT-C-064-0-2-20140226	480-55330-18	MANGANESE	3/10/2014	132		Yes	Y	B	J	J	1.1	0.037	mg/kg
LT-C-064-0-2-20140226	480-55330-18	MAGNESIUM	3/10/2014	998		Yes	Y				114	1.1	mg/kg
LT-C-064-0-2-20140226	480-55330-18	ZINC	3/10/2014	16.7		Yes	Y	B			11.4	0.18	mg/kg
LT-C-064-0-2-20140226	480-55330-18	IRON	3/10/2014	9190		Yes	Y	B			57.2	1.3	mg/kg
LT-C-064-0-2-20140226	480-55330-18	BERYLLIUM	3/10/2014	0.38		Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-064-0-2-20140226	480-55330-18	COBALT	3/10/2014	4		Yes	Y				2.9	0.057	mg/kg
LT-C-064-0-2-20140226	480-55330-18	CHROMIUM, TOTAL	3/10/2014	9.3		Yes	Y	B			2.9	0.23	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-0-2-20140226	480-55330-18	CALCIUM	3/10/2014	127	Yes	Y	BJ	U	U	286	3.8	mg/kg
LT-C-064-0-2-20140226	480-55330-18	CADMIUM	3/10/2014	0.06	Yes	Y	J		J	1.1	0.034	mg/kg
LT-C-064-0-2-20140226	480-55330-18	BARIUM	3/10/2014	30.7	Yes	Y				2.9	0.13	mg/kg
LT-C-064-0-2-20140226	480-55330-18	ARSENIC	3/10/2014	2.9	Yes	Y	J		J	11.4	0.46	mg/kg
LT-C-064-0-2-20140226	480-55330-18	ANTIMONY	3/10/2014		Yes	N	U		U	85.9	0.46	mg/kg
LT-C-064-0-2-20140226	480-55330-18	ALUMINUM	3/10/2014	6390	Yes	Y		J	J	57.2	5.0	mg/kg
LT-C-064-0-2-20140226	480-55330-18	LEAD	3/10/2014	6.6	Yes	Y				5.7	0.27	mg/kg
LT-C-064-2-4-20140226	480-55330-19	MANGANESE	3/10/2014	257	Yes	Y	B	J	J	1.3	0.041	mg/kg
LT-C-064-2-4-20140226	480-55330-19	ANTIMONY	3/10/2014		Yes	N	U		U	96.5	0.51	mg/kg
LT-C-064-2-4-20140226	480-55330-19	BARIUM	3/10/2014	28	Yes	Y				3.2	0.14	mg/kg
LT-C-064-2-4-20140226	480-55330-19	CADMIUM	3/10/2014	0.075	Yes	Y	J		J	1.3	0.039	mg/kg
LT-C-064-2-4-20140226	480-55330-19	CHROMIUM, TOTAL	3/10/2014	12.9	Yes	Y	B			3.2	0.26	mg/kg
LT-C-064-2-4-20140226	480-55330-19	COBALT	3/10/2014	7.2	Yes	Y				3.2	0.064	mg/kg
LT-C-064-2-4-20140226	480-55330-19	COPPER	3/10/2014	6.5	Yes	Y				6.4	0.27	mg/kg
LT-C-064-2-4-20140226	480-55330-19	IRON	3/10/2014	15400	Yes	Y	B			64.3	1.4	mg/kg
LT-C-064-2-4-20140226	480-55330-19	ARSENIC	3/10/2014	3.1	Yes	Y	J		J	12.9	0.51	mg/kg
LT-C-064-2-4-20140226	480-55330-19	ALUMINUM	3/10/2014	7580	Yes	Y		J	J	64.3	5.7	mg/kg
LT-C-064-2-4-20140226	480-55330-19	MAGNESIUM	3/10/2014	1260	Yes	Y				129	1.2	mg/kg
LT-C-064-2-4-20140226	480-55330-19	BERYLLIUM	3/10/2014	0.34	Yes	Y	J		J	1.3	0.036	mg/kg
LT-C-064-2-4-20140226	480-55330-19	NICKEL	3/10/2014	7.2	Yes	Y	J		J	32.2	0.30	mg/kg
LT-C-064-2-4-20140226	480-55330-19	POTASSIUM	3/10/2014	706	Yes	Y				193	25.7	mg/kg
LT-C-064-2-4-20140226	480-55330-19	SELENIUM	3/10/2014	0.54	Yes	Y	J		J	25.7	0.51	mg/kg
LT-C-064-2-4-20140226	480-55330-19	SILVER	3/10/2014		Yes	N	U		U	3.2	0.26	mg/kg
LT-C-064-2-4-20140226	480-55330-19	SODIUM	3/10/2014	29	Yes	Y	J		J	901	16.7	mg/kg
LT-C-064-2-4-20140226	480-55330-19	THALLIUM	3/10/2014		Yes	N	U		U	38.6	0.39	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-2-4-20140226	480-55330-19	VANADIUM	3/10/2014	17.7	Yes	Y				3.2	0.14	mg/kg
LT-C-064-2-4-20140226	480-55330-19	ZINC	3/10/2014	18.9	Yes	Y	B			12.9	0.20	mg/kg
LT-C-064-2-4-20140226	480-55330-19	LEAD	3/10/2014	4.9	Yes	Y	J		J	6.4	0.31	mg/kg
LT-C-064-2-4-20140226	480-55330-19	CALCIUM	3/10/2014	178	Yes	Y	BJ	U	U	322	4.2	mg/kg
LT-C-064-8-10-20140226	480-55330-20	COPPER	3/10/2014	15.7	Yes	Y				5.7	0.24	mg/kg
LT-C-064-8-10-20140226	480-55330-20	ANTIMONY	3/10/2014		Yes	N	U		U	85.3	0.45	mg/kg
LT-C-064-8-10-20140226	480-55330-20	ARSENIC	3/10/2014	3.5	Yes	Y	J		J	11.4	0.45	mg/kg
LT-C-064-8-10-20140226	480-55330-20	BARIUM	3/10/2014	12.5	Yes	Y				2.8	0.13	mg/kg
LT-C-064-8-10-20140226	480-55330-20	BERYLLIUM	3/10/2014	0.15	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-064-8-10-20140226	480-55330-20	CADMIUM	3/10/2014		Yes	N	U		U	1.1	0.034	mg/kg
LT-C-064-8-10-20140226	480-55330-20	ALUMINUM	3/10/2014	2270	Yes	Y		J	J	56.8	5.0	mg/kg
LT-C-064-8-10-20140226	480-55330-20	CALCIUM	3/10/2014	177	Yes	Y	BJ	U	U	284	3.8	mg/kg
LT-C-064-8-10-20140226	480-55330-20	COBALT	3/10/2014	0.7	Yes	Y	J		J	2.8	0.057	mg/kg
LT-C-064-8-10-20140226	480-55330-20	IRON	3/10/2014	13000	Yes	Y	B			56.8	1.3	mg/kg
LT-C-064-8-10-20140226	480-55330-20	LEAD	3/10/2014	4.9	Yes	Y	J		J	5.7	0.27	mg/kg
LT-C-064-8-10-20140226	480-55330-20	MAGNESIUM	3/10/2014	266	Yes	Y				114	1.1	mg/kg
LT-C-064-8-10-20140226	480-55330-20	MANGANESE	3/10/2014	13.4	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-C-064-8-10-20140226	480-55330-20	VANADIUM	3/10/2014	14.5	Yes	Y				2.8	0.13	mg/kg
LT-C-064-8-10-20140226	480-55330-20	CHROMIUM, TOTAL	3/10/2014	14.1	Yes	Y	B			2.8	0.23	mg/kg
LT-C-064-8-10-20140226	480-55330-20	NICKEL	3/10/2014	3.1	Yes	Y	J		J	28.4	0.26	mg/kg
LT-C-064-8-10-20140226	480-55330-20	ZINC	3/10/2014	9.1	Yes	Y	BJ	U	U	11.4	0.17	mg/kg
LT-C-064-8-10-20140226	480-55330-20	THALLIUM	3/10/2014		Yes	N	U		U	34.1	0.34	mg/kg
LT-C-064-8-10-20140226	480-55330-20	SODIUM	3/10/2014	27.3	Yes	Y	J		J	796	14.8	mg/kg
LT-C-064-8-10-20140226	480-55330-20	SILVER	3/10/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-C-064-8-10-20140226	480-55330-20	SELENIUM	3/10/2014		Yes	N	U		U	22.7	0.45	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-8-10-20140226	480-55330-20	POTASSIUM	3/10/2014	524	Yes	Y				171	22.7	mg/kg
LT-C-065-0-2-20140226	480-55330-1	ZINC	3/8/2014	30.1	Yes	Y	B	J	J	11.4	0.17	mg/kg
LT-C-065-0-2-20140226	480-55330-1	MANGANESE	3/8/2014	224	Yes	Y		J	J	1.1	0.037	mg/kg
LT-C-065-0-2-20140226	480-55330-1	BARIUM	3/8/2014	44.4	Yes	Y				2.9	0.13	mg/kg
LT-C-065-0-2-20140226	480-55330-1	VANADIUM	3/8/2014	15.6	Yes	Y				2.9	0.13	mg/kg
LT-C-065-0-2-20140226	480-55330-1	CHROMIUM, TOTAL	3/8/2014	10	Yes	Y				2.9	0.23	mg/kg
LT-C-065-0-2-20140226	480-55330-1	NICKEL	3/8/2014	7.2	Yes	Y	J		J	28.5	0.26	mg/kg
LT-C-065-0-2-20140226	480-55330-1	SODIUM	3/8/2014	26.6	Yes	Y	J		J	799	14.8	mg/kg
LT-C-065-0-2-20140226	480-55330-1	SILVER	3/8/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-C-065-0-2-20140226	480-55330-1	SELENIUM	3/8/2014		Yes	N	U		U	22.8	0.46	mg/kg
LT-C-065-0-2-20140226	480-55330-1	POTASSIUM	3/8/2014	467	Yes	Y				171	22.8	mg/kg
LT-C-065-0-2-20140226	480-55330-1	THALLIUM	3/8/2014		Yes	N	U		U	34.2	0.34	mg/kg
LT-C-065-0-2-20140226	480-55330-1	ALUMINUM	3/8/2014	7040	Yes	Y		J	J	57.0	5.0	mg/kg
LT-C-065-0-2-20140226	480-55330-1	LEAD	3/8/2014	48.3	Yes	Y				5.7	0.27	mg/kg
LT-C-065-0-2-20140226	480-55330-1	BERYLLIUM	3/8/2014	0.39	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-065-0-2-20140226	480-55330-1	CALCIUM	3/8/2014	782	Yes	Y				285	3.8	mg/kg
LT-C-065-0-2-20140226	480-55330-1	COBALT	3/8/2014	3.7	Yes	Y				2.9	0.057	mg/kg
LT-C-065-0-2-20140226	480-55330-1	COPPER	3/8/2014	9.5	Yes	Y				5.7	0.24	mg/kg
LT-C-065-0-2-20140226	480-55330-1	IRON	3/8/2014	9250	Yes	Y	B	J	J	57.0	1.3	mg/kg
LT-C-065-0-2-20140226	480-55330-1	MAGNESIUM	3/8/2014	1310	Yes	Y				114	1.1	mg/kg
LT-C-065-0-2-20140226	480-55330-1	CADMIUM	3/8/2014	0.12	Yes	Y	J		J	1.1	0.034	mg/kg
LT-C-065-0-2-20140226	480-55330-1	ANTIMONY	3/8/2014	0.63	Yes	Y	J		J	85.6	0.46	mg/kg
LT-C-065-0-2-20140226	480-55330-1	ARSENIC	3/8/2014	4.4	Yes	Y	J		J	11.4	0.46	mg/kg
LT-C-065-4-6-20140226	480-55330-2	IRON	3/8/2014	8940	Yes	Y	B	J	J	53.9	1.2	mg/kg
LT-C-065-4-6-20140226	480-55330-2	VANADIUM	3/8/2014	14.4	Yes	Y				2.7	0.12	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-4-6-20140226	480-55330-2	THALLIUM	3/8/2014			Yes	N	U		U	32.3	0.32	mg/kg
LT-C-065-4-6-20140226	480-55330-2	ALUMINUM	3/8/2014	6490		Yes	Y		J	J	53.9	4.7	mg/kg
LT-C-065-4-6-20140226	480-55330-2	SODIUM	3/8/2014	28.3		Yes	Y	J		J	755	14.0	mg/kg
LT-C-065-4-6-20140226	480-55330-2	SILVER	3/8/2014			Yes	N	U		U	2.7	0.22	mg/kg
LT-C-065-4-6-20140226	480-55330-2	SELENIUM	3/8/2014			Yes	N	U		U	21.6	0.43	mg/kg
LT-C-065-4-6-20140226	480-55330-2	POTASSIUM	3/8/2014	483		Yes	Y				162	21.6	mg/kg
LT-C-065-4-6-20140226	480-55330-2	BARIUM	3/8/2014	47.1		Yes	Y				2.7	0.12	mg/kg
LT-C-065-4-6-20140226	480-55330-2	NICKEL	3/8/2014	8.1		Yes	Y	J		J	26.9	0.25	mg/kg
LT-C-065-4-6-20140226	480-55330-2	MANGANESE	3/8/2014	174		Yes	Y		J	J	1.1	0.034	mg/kg
LT-C-065-4-6-20140226	480-55330-2	ANTIMONY	3/8/2014			Yes	N	U		U	80.8	0.43	mg/kg
LT-C-065-4-6-20140226	480-55330-2	LEAD	3/8/2014	36.8		Yes	Y				5.4	0.26	mg/kg
LT-C-065-4-6-20140226	480-55330-2	COPPER	3/8/2014	9.4		Yes	Y				5.4	0.23	mg/kg
LT-C-065-4-6-20140226	480-55330-2	COBALT	3/8/2014	3.4		Yes	Y				2.7	0.054	mg/kg
LT-C-065-4-6-20140226	480-55330-2	CHROMIUM, TOTAL	3/8/2014	9.4		Yes	Y				2.7	0.22	mg/kg
LT-C-065-4-6-20140226	480-55330-2	CALCIUM	3/8/2014	674		Yes	Y				269	3.6	mg/kg
LT-C-065-4-6-20140226	480-55330-2	BERYLLIUM	3/8/2014	0.33		Yes	Y	J		J	1.1	0.030	mg/kg
LT-C-065-4-6-20140226	480-55330-2	ZINC	3/8/2014	26.9		Yes	Y	B	J	J	10.8	0.16	mg/kg
LT-C-065-4-6-20140226	480-55330-2	ARSENIC	3/8/2014	4.4		Yes	Y	J		J	10.8	0.43	mg/kg
LT-C-065-4-6-20140226	480-55330-2	MAGNESIUM	3/8/2014	1250		Yes	Y				108	1.0	mg/kg
LT-C-065-4-6-20140226	480-55330-2	CADMIUM	3/8/2014	0.11		Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-065-6-8-20140226	480-55330-3	COPPER	3/8/2014	10.8		Yes	Y				5.3	0.22	mg/kg
LT-C-065-6-8-20140226	480-55330-3	COBALT	3/8/2014	2.7		Yes	Y				2.7	0.053	mg/kg
LT-C-065-6-8-20140226	480-55330-3	CHROMIUM, TOTAL	3/8/2014	14.2		Yes	Y				2.7	0.21	mg/kg
LT-C-065-6-8-20140226	480-55330-3	CALCIUM	3/8/2014	225		Yes	Y	J		J	267	3.5	mg/kg
LT-C-065-6-8-20140226	480-55330-3	CADMIUM	3/8/2014	0.059		Yes	Y	J		J	1.1	0.032	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-6-8-20140226	480-55330-3	BERYLLIUM	3/8/2014	0.38	Yes	Y	J		J	1.1	0.030	mg/kg
LT-C-065-6-8-20140226	480-55330-3	BARIUM	3/8/2014	23	Yes	Y				2.7	0.12	mg/kg
LT-C-065-6-8-20140226	480-55330-3	ANTIMONY	3/8/2014		Yes	N	U		U	80.0	0.43	mg/kg
LT-C-065-6-8-20140226	480-55330-3	ARSENIC	3/8/2014	3.3	Yes	Y	J		J	10.7	0.43	mg/kg
LT-C-065-6-8-20140226	480-55330-3	IRON	3/8/2014	17100	Yes	Y	B	J	J	53.3	1.2	mg/kg
LT-C-065-6-8-20140226	480-55330-3	ZINC	3/8/2014	24.7	Yes	Y	B	J	J	10.7	0.16	mg/kg
LT-C-065-6-8-20140226	480-55330-3	MAGNESIUM	3/8/2014	768	Yes	Y				107	0.99	mg/kg
LT-C-065-6-8-20140226	480-55330-3	LEAD	3/8/2014	5.1	Yes	Y	J		J	5.3	0.26	mg/kg
LT-C-065-6-8-20140226	480-55330-3	MANGANESE	3/8/2014	48	Yes	Y		J	J	1.1	0.034	mg/kg
LT-C-065-6-8-20140226	480-55330-3	VANADIUM	3/8/2014	21.3	Yes	Y				2.7	0.12	mg/kg
LT-C-065-6-8-20140226	480-55330-3	THALLIUM	3/8/2014		Yes	N	U		U	32.0	0.32	mg/kg
LT-C-065-6-8-20140226	480-55330-3	NICKEL	3/8/2014	7.6	Yes	Y	J		J	26.7	0.25	mg/kg
LT-C-065-6-8-20140226	480-55330-3	SILVER	3/8/2014		Yes	N	U		U	2.7	0.21	mg/kg
LT-C-065-6-8-20140226	480-55330-3	SELENIUM	3/8/2014		Yes	N	U		U	21.3	0.43	mg/kg
LT-C-065-6-8-20140226	480-55330-3	POTASSIUM	3/8/2014	666	Yes	Y				160	21.3	mg/kg
LT-C-065-6-8-20140226	480-55330-3	SODIUM	3/8/2014	18.4	Yes	Y	J		J	747	13.9	mg/kg
LT-C-065-6-8-20140226	480-55330-3	ALUMINUM	3/8/2014	5780	Yes	Y		J	J	53.3	4.7	mg/kg
LT-C-066-0-2-20140226	480-55330-4	MANGANESE	3/8/2014	83.4	Yes	Y		J	J	1.2	0.039	mg/kg
LT-C-066-0-2-20140226	480-55330-4	ALUMINUM	3/8/2014	6230	Yes	Y		J	J	61.3	5.4	mg/kg
LT-C-066-0-2-20140226	480-55330-4	NICKEL	3/8/2014	5.2	Yes	Y	J		J	30.6	0.28	mg/kg
LT-C-066-0-2-20140226	480-55330-4	SELENIUM	3/8/2014		Yes	N	U		U	24.5	0.49	mg/kg
LT-C-066-0-2-20140226	480-55330-4	IRON	3/8/2014	7360	Yes	Y	B	J	J	61.3	1.3	mg/kg
LT-C-066-0-2-20140226	480-55330-4	THALLIUM	3/8/2014		Yes	N	U		U	36.8	0.37	mg/kg
LT-C-066-0-2-20140226	480-55330-4	VANADIUM	3/8/2014	16.7	Yes	Y				3.1	0.13	mg/kg
LT-C-066-0-2-20140226	480-55330-4	MAGNESIUM	3/8/2014	801	Yes	Y				123	1.1	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-0-2-20140226	480-55330-4	POTASSIUM	3/8/2014	322	Yes	Y				184	24.5	mg/kg
LT-C-066-0-2-20140226	480-55330-4	SODIUM	3/8/2014	20.1	Yes	Y	J		J	858	15.9	mg/kg
LT-C-066-0-2-20140226	480-55330-4	BARIUM	3/8/2014	26.8	Yes	Y				3.1	0.13	mg/kg
LT-C-066-0-2-20140226	480-55330-4	SILVER	3/8/2014		Yes	N	U		U	3.1	0.25	mg/kg
LT-C-066-0-2-20140226	480-55330-4	LEAD	3/8/2014	23	Yes	Y				6.1	0.29	mg/kg
LT-C-066-0-2-20140226	480-55330-4	ARSENIC	3/8/2014	3.2	Yes	Y	J		J	12.3	0.49	mg/kg
LT-C-066-0-2-20140226	480-55330-4	ZINC	3/8/2014	13.7	Yes	Y	B	J	J	12.3	0.19	mg/kg
LT-C-066-0-2-20140226	480-55330-4	BERYLLIUM	3/8/2014	0.18	Yes	Y	J		J	1.2	0.034	mg/kg
LT-C-066-0-2-20140226	480-55330-4	CADMIUM	3/8/2014	0.05	Yes	Y	J		J	1.2	0.037	mg/kg
LT-C-066-0-2-20140226	480-55330-4	CALCIUM	3/8/2014	52.4	Yes	Y	J		J	306	4.0	mg/kg
LT-C-066-0-2-20140226	480-55330-4	CHROMIUM, TOTAL	3/8/2014	8.8	Yes	Y				3.1	0.25	mg/kg
LT-C-066-0-2-20140226	480-55330-4	COBALT	3/8/2014	2.1	Yes	Y	J		J	3.1	0.061	mg/kg
LT-C-066-0-2-20140226	480-55330-4	COPPER	3/8/2014	7.4	Yes	Y				6.1	0.26	mg/kg
LT-C-066-0-2-20140226	480-55330-4	ANTIMONY	3/8/2014		Yes	N	U		U	91.9	0.49	mg/kg
LT-C-066-4-6-20140226	480-55330-5	POTASSIUM	3/8/2014	346	Yes	Y				169	22.6	mg/kg
LT-C-066-4-6-20140226	480-55330-5	SELENIUM	3/8/2014		Yes	N	U		U	22.6	0.45	mg/kg
LT-C-066-4-6-20140226	480-55330-5	SILVER	3/8/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-C-066-4-6-20140226	480-55330-5	SODIUM	3/8/2014	18.4	Yes	Y	J		J	791	14.7	mg/kg
LT-C-066-4-6-20140226	480-55330-5	THALLIUM	3/8/2014		Yes	N	U		U	33.9	0.34	mg/kg
LT-C-066-4-6-20140226	480-55330-5	VANADIUM	3/8/2014	13.6	Yes	Y				2.8	0.12	mg/kg
LT-C-066-4-6-20140226	480-55330-5	NICKEL	3/8/2014	4.2	Yes	Y	J		J	28.2	0.26	mg/kg
LT-C-066-4-6-20140226	480-55330-5	MANGANESE	3/8/2014	46.5	Yes	Y		J	J	1.1	0.036	mg/kg
LT-C-066-4-6-20140226	480-55330-5	CADMIUM	3/8/2014	0.043	Yes	Y	J		J	1.1	0.034	mg/kg
LT-C-066-4-6-20140226	480-55330-5	IRON	3/8/2014	6800	Yes	Y	B	J	J	56.5	1.2	mg/kg
LT-C-066-4-6-20140226	480-55330-5	ALUMINUM	3/8/2014	4360	Yes	Y		J	J	56.5	5.0	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-4-6-20140226	480-55330-5	LEAD	3/8/2014	5.5		Yes	Y	J		J	5.6	0.27	mg/kg
LT-C-066-4-6-20140226	480-55330-5	COPPER	3/8/2014	6.6		Yes	Y				5.6	0.24	mg/kg
LT-C-066-4-6-20140226	480-55330-5	COBALT	3/8/2014	1.4		Yes	Y	J		J	2.8	0.056	mg/kg
LT-C-066-4-6-20140226	480-55330-5	CALCIUM	3/8/2014	29		Yes	Y	J		J	282	3.7	mg/kg
LT-C-066-4-6-20140226	480-55330-5	BERYLLIUM	3/8/2014	0.14		Yes	Y	J	U	U	1.1	0.032	mg/kg
LT-C-066-4-6-20140226	480-55330-5	BARIUM	3/8/2014	19.8		Yes	Y				2.8	0.12	mg/kg
LT-C-066-4-6-20140226	480-55330-5	ARSENIC	3/8/2014	2.3		Yes	Y	J		J	11.3	0.45	mg/kg
LT-C-066-4-6-20140226	480-55330-5	ANTIMONY	3/8/2014			Yes	N	U		U	84.7	0.45	mg/kg
LT-C-066-4-6-20140226	480-55330-5	CHROMIUM, TOTAL	3/8/2014	13.8		Yes	Y				2.8	0.23	mg/kg
LT-C-066-4-6-20140226	480-55330-5	MAGNESIUM	3/8/2014	623		Yes	Y				113	1.0	mg/kg
LT-C-066-4-6-20140226	480-55330-5	ZINC	3/8/2014	10.1		Yes	Y	BJ	UJ	UJ	11.3	0.17	mg/kg
LT-C-066-6-8-20140226	480-55330-6	ANTIMONY	3/8/2014			Yes	N	U		U	88.4	0.47	mg/kg
LT-C-066-6-8-20140226	480-55330-6	ZINC	3/8/2014	31.1		Yes	Y	B	J	J	11.8	0.18	mg/kg
LT-C-066-6-8-20140226	480-55330-6	MANGANESE	3/8/2014	63.9		Yes	Y		J	J	1.2	0.038	mg/kg
LT-C-066-6-8-20140226	480-55330-6	VANADIUM	3/8/2014	22.5		Yes	Y				2.9	0.13	mg/kg
LT-C-066-6-8-20140226	480-55330-6	THALLIUM	3/8/2014			Yes	N	U		U	35.3	0.35	mg/kg
LT-C-066-6-8-20140226	480-55330-6	SODIUM	3/8/2014	42.4		Yes	Y	J		J	825	15.3	mg/kg
LT-C-066-6-8-20140226	480-55330-6	SELENIUM	3/8/2014			Yes	N	U		U	23.6	0.47	mg/kg
LT-C-066-6-8-20140226	480-55330-6	ARSENIC	3/8/2014	3.4		Yes	Y	J		J	11.8	0.47	mg/kg
LT-C-066-6-8-20140226	480-55330-6	BARIUM	3/8/2014	30.2		Yes	Y				2.9	0.13	mg/kg
LT-C-066-6-8-20140226	480-55330-6	BERYLLIUM	3/8/2014	0.66		Yes	Y	J		J	1.2	0.033	mg/kg
LT-C-066-6-8-20140226	480-55330-6	CADMIUM	3/8/2014	0.078		Yes	Y	J		J	1.2	0.035	mg/kg
LT-C-066-6-8-20140226	480-55330-6	NICKEL	3/8/2014	15.9		Yes	Y	J		J	29.5	0.27	mg/kg
LT-C-066-6-8-20140226	480-55330-6	SILVER	3/8/2014			Yes	N	U		U	2.9	0.24	mg/kg
LT-C-066-6-8-20140226	480-55330-6	POTASSIUM	3/8/2014	499		Yes	Y				177	23.6	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-6-8-20140226	480-55330-6	CALCIUM	3/8/2014	55.9		Yes	Y	J		J	295	3.9	mg/kg
LT-C-066-6-8-20140226	480-55330-6	IRON	3/8/2014	20400		Yes	Y	B	J	J	58.9	1.3	mg/kg
LT-C-066-6-8-20140226	480-55330-6	MAGNESIUM	3/8/2014	998		Yes	Y				118	1.1	mg/kg
LT-C-066-6-8-20140226	480-55330-6	LEAD	3/8/2014	5.6		Yes	Y	J		J	5.9	0.28	mg/kg
LT-C-066-6-8-20140226	480-55330-6	ALUMINUM	3/8/2014	8430		Yes	Y		J	J	58.9	5.2	mg/kg
LT-C-066-6-8-20140226	480-55330-6	COPPER	3/8/2014	11.5		Yes	Y				5.9	0.25	mg/kg
LT-C-066-6-8-20140226	480-55330-6	COBALT	3/8/2014	6		Yes	Y				2.9	0.059	mg/kg
LT-C-066-6-8-20140226	480-55330-6	CHROMIUM, TOTAL	3/8/2014	37		Yes	Y				2.9	0.24	mg/kg
LT-C-067-0-2-20140226	480-55330-7	VANADIUM	3/8/2014	22.8		Yes	Y				2.9	0.13	mg/kg
LT-C-067-0-2-20140226	480-55330-7	IRON	3/8/2014	20000		Yes	Y	B	J	J	58.4	1.3	mg/kg
LT-C-067-0-2-20140226	480-55330-7	NICKEL	3/8/2014	13.2		Yes	Y	J		J	29.2	0.27	mg/kg
LT-C-067-0-2-20140226	480-55330-7	POTASSIUM	3/8/2014	339		Yes	Y				175	23.4	mg/kg
LT-C-067-0-2-20140226	480-55330-7	SELENIUM	3/8/2014			Yes	N	U		U	23.4	0.47	mg/kg
LT-C-067-0-2-20140226	480-55330-7	SILVER	3/8/2014			Yes	N	U		U	2.9	0.23	mg/kg
LT-C-067-0-2-20140226	480-55330-7	ZINC	3/8/2014	26.2		Yes	Y	B	J	J	11.7	0.18	mg/kg
LT-C-067-0-2-20140226	480-55330-7	THALLIUM	3/8/2014			Yes	N	U		U	35.1	0.35	mg/kg
LT-C-067-0-2-20140226	480-55330-7	MAGNESIUM	3/8/2014	1050		Yes	Y				117	1.1	mg/kg
LT-C-067-0-2-20140226	480-55330-7	MANGANESE	3/8/2014	217		Yes	Y		J	J	1.2	0.037	mg/kg
LT-C-067-0-2-20140226	480-55330-7	CADMIUM	3/8/2014	0.069		Yes	Y	J		J	1.2	0.035	mg/kg
LT-C-067-0-2-20140226	480-55330-7	SODIUM	3/8/2014	21.8		Yes	Y	J		J	818	15.2	mg/kg
LT-C-067-0-2-20140226	480-55330-7	BERYLLIUM	3/8/2014	0.55		Yes	Y	J		J	1.2	0.033	mg/kg
LT-C-067-0-2-20140226	480-55330-7	CHROMIUM, TOTAL	3/8/2014	18.1		Yes	Y				2.9	0.23	mg/kg
LT-C-067-0-2-20140226	480-55330-7	LEAD	3/8/2014	39.7		Yes	Y				5.8	0.28	mg/kg
LT-C-067-0-2-20140226	480-55330-7	ANTIMONY	3/8/2014			Yes	N	U		U	87.7	0.47	mg/kg
LT-C-067-0-2-20140226	480-55330-7	BARIUM	3/8/2014	36.5		Yes	Y				2.9	0.13	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-0-2-20140226	480-55330-7	CALCIUM	3/8/2014	97.5		Yes	Y	J		J	292	3.9	mg/kg
LT-C-067-0-2-20140226	480-55330-7	COBALT	3/8/2014	5.3		Yes	Y				2.9	0.058	mg/kg
LT-C-067-0-2-20140226	480-55330-7	COPPER	3/8/2014	11.3		Yes	Y				5.8	0.25	mg/kg
LT-C-067-0-2-20140226	480-55330-7	ALUMINUM	3/8/2014	10200		Yes	Y		J	J	58.4	5.1	mg/kg
LT-C-067-0-2-20140226	480-55330-7	ARSENIC	3/8/2014	4.6		Yes	Y	J		J	11.7	0.47	mg/kg
LT-C-067-4-6-20140226	480-55330-8	ALUMINUM	3/8/2014	15400		Yes	Y		J	J	62.7	5.5	mg/kg
LT-C-067-4-6-20140226	480-55330-8	MANGANESE	3/8/2014	820		Yes	Y		J	J	1.3	0.040	mg/kg
LT-C-067-4-6-20140226	480-55330-8	COPPER	3/8/2014	20.1		Yes	Y				6.3	0.26	mg/kg
LT-C-067-4-6-20140226	480-55330-8	NICKEL	3/8/2014	34.3		Yes	Y				31.4	0.29	mg/kg
LT-C-067-4-6-20140226	480-55330-8	LEAD	3/8/2014	14.5		Yes	Y				6.3	0.30	mg/kg
LT-C-067-4-6-20140226	480-55330-8	MAGNESIUM	3/8/2014	1560		Yes	Y				125	1.2	mg/kg
LT-C-067-4-6-20140226	480-55330-8	IRON	3/8/2014	35700		Yes	Y	B	J	J	62.7	1.4	mg/kg
LT-C-067-4-6-20140226	480-55330-8	ZINC	3/8/2014	44.2		Yes	Y	B	J	J	12.5	0.19	mg/kg
LT-C-067-4-6-20140226	480-55330-8	POTASSIUM	3/8/2014	1110		Yes	Y				188	25.1	mg/kg
LT-C-067-4-6-20140226	480-55330-8	SELENIUM	3/8/2014			Yes	N	U		U	25.1	0.50	mg/kg
LT-C-067-4-6-20140226	480-55330-8	THALLIUM	3/8/2014			Yes	N	U		U	37.6	0.38	mg/kg
LT-C-067-4-6-20140226	480-55330-8	SODIUM	3/8/2014	29.2		Yes	Y	J		J	878	16.3	mg/kg
LT-C-067-4-6-20140226	480-55330-8	COBALT	3/8/2014	23.7		Yes	Y				3.1	0.063	mg/kg
LT-C-067-4-6-20140226	480-55330-8	SILVER	3/8/2014			Yes	N	U		U	3.1	0.25	mg/kg
LT-C-067-4-6-20140226	480-55330-8	CHROMIUM, TOTAL	3/8/2014	54		Yes	Y				3.1	0.25	mg/kg
LT-C-067-4-6-20140226	480-55330-8	CALCIUM	3/8/2014	110		Yes	Y	J		J	314	4.1	mg/kg
LT-C-067-4-6-20140226	480-55330-8	CADMIUM	3/8/2014	0.14		Yes	Y	J		J	1.3	0.038	mg/kg
LT-C-067-4-6-20140226	480-55330-8	BERYLLIUM	3/8/2014	1		Yes	Y	J		J	1.3	0.035	mg/kg
LT-C-067-4-6-20140226	480-55330-8	BARIUM	3/8/2014	112		Yes	Y				3.1	0.14	mg/kg
LT-C-067-4-6-20140226	480-55330-8	ARSENIC	3/8/2014	4.8		Yes	Y	J		J	12.5	0.50	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-4-6-20140226	480-55330-8	ANTIMONY	3/8/2014			Yes	N	U		U	94.1	0.50	mg/kg
LT-C-067-4-6-20140226	480-55330-8	VANADIUM	3/8/2014	36.8		Yes	Y				3.1	0.14	mg/kg
LT-C-067-6-8-20140226	480-55330-9	COPPER	3/8/2014	16.9		Yes	Y				6.2	0.26	mg/kg
LT-C-067-6-8-20140226	480-55330-9	CHROMIUM, TOTAL	3/8/2014	49.8		Yes	Y				3.1	0.25	mg/kg
LT-C-067-6-8-20140226	480-55330-9	CALCIUM	3/8/2014	47.9		Yes	Y	J		J	309	4.1	mg/kg
LT-C-067-6-8-20140226	480-55330-9	CADMIUM	3/8/2014	0.1		Yes	Y	J		J	1.2	0.037	mg/kg
LT-C-067-6-8-20140226	480-55330-9	ZINC	3/8/2014	50.8		Yes	Y	B	J	J	12.3	0.19	mg/kg
LT-C-067-6-8-20140226	480-55330-9	MANGANESE	3/8/2014	185		Yes	Y		J	J	1.2	0.040	mg/kg
LT-C-067-6-8-20140226	480-55330-9	BARIUM	3/8/2014	68.9		Yes	Y				3.1	0.14	mg/kg
LT-C-067-6-8-20140226	480-55330-9	SODIUM	3/8/2014	21.2		Yes	Y	J		J	864	16.1	mg/kg
LT-C-067-6-8-20140226	480-55330-9	BERYLLIUM	3/8/2014	0.74		Yes	Y	J		J	1.2	0.035	mg/kg
LT-C-067-6-8-20140226	480-55330-9	THALLIUM	3/8/2014			Yes	N	U		U	37.0	0.37	mg/kg
LT-C-067-6-8-20140226	480-55330-9	ARSENIC	3/8/2014	3.1		Yes	Y	J		J	12.3	0.49	mg/kg
LT-C-067-6-8-20140226	480-55330-9	SILVER	3/8/2014			Yes	N	U		U	3.1	0.25	mg/kg
LT-C-067-6-8-20140226	480-55330-9	SELENIUM	3/8/2014			Yes	N	U		U	24.7	0.49	mg/kg
LT-C-067-6-8-20140226	480-55330-9	ANTIMONY	3/8/2014			Yes	N	U		U	92.6	0.49	mg/kg
LT-C-067-6-8-20140226	480-55330-9	NICKEL	3/8/2014	28.6		Yes	Y	J		J	30.9	0.28	mg/kg
LT-C-067-6-8-20140226	480-55330-9	IRON	3/8/2014	33700		Yes	Y	B	J	J	61.7	1.4	mg/kg
LT-C-067-6-8-20140226	480-55330-9	POTASSIUM	3/8/2014	1830		Yes	Y		J	J	185	24.7	mg/kg
LT-C-067-6-8-20140226	480-55330-9	LEAD	3/8/2014	7.5		Yes	Y				6.2	0.30	mg/kg
LT-C-067-6-8-20140226	480-55330-9	ALUMINUM	3/8/2014	20200		Yes	Y		J	J	61.7	5.4	mg/kg
LT-C-067-6-8-20140226	480-55330-9	VANADIUM	3/8/2014	28.2		Yes	Y				3.1	0.14	mg/kg
LT-C-067-6-8-20140226	480-55330-9	COBALT	3/8/2014	13.5		Yes	Y		J	J	3.1	0.062	mg/kg
LT-C-067-6-8-20140226	480-55330-9	MAGNESIUM	3/8/2014	2420		Yes	Y		J	J	123	1.1	mg/kg
LT-C-068-0-2-20140226	480-55330-12	THALLIUM	3/8/2014			Yes	N	U		U	38.8	0.39	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-0-2-20140226	480-55330-12	ZINC	3/8/2014	18.1		Yes	Y	B	J	J	12.9	0.20	mg/kg
LT-C-068-0-2-20140226	480-55330-12	MANGANESE	3/8/2014	419		Yes	Y		J	J	1.3	0.041	mg/kg
LT-C-068-0-2-20140226	480-55330-12	VANADIUM	3/8/2014	13.7		Yes	Y				3.2	0.14	mg/kg
LT-C-068-0-2-20140226	480-55330-12	POTASSIUM	3/8/2014	227		Yes	Y				194	25.9	mg/kg
LT-C-068-0-2-20140226	480-55330-12	LEAD	3/8/2014	14.4		Yes	Y				6.5	0.31	mg/kg
LT-C-068-0-2-20140226	480-55330-12	MAGNESIUM	3/8/2014	1070		Yes	Y				129	1.2	mg/kg
LT-C-068-0-2-20140226	480-55330-12	IRON	3/8/2014	9110		Yes	Y	B	J	J	64.7	1.4	mg/kg
LT-C-068-0-2-20140226	480-55330-12	NICKEL	3/8/2014	8.2		Yes	Y	J		J	32.3	0.30	mg/kg
LT-C-068-0-2-20140226	480-55330-12	SODIUM	3/8/2014	22.7		Yes	Y	J		J	905	16.8	mg/kg
LT-C-068-0-2-20140226	480-55330-12	ALUMINUM	3/8/2014	8700		Yes	Y		J	J	64.7	5.7	mg/kg
LT-C-068-0-2-20140226	480-55330-12	COPPER	3/8/2014	6.8		Yes	Y				6.5	0.27	mg/kg
LT-C-068-0-2-20140226	480-55330-12	COBALT	3/8/2014	4.3		Yes	Y				3.2	0.065	mg/kg
LT-C-068-0-2-20140226	480-55330-12	CHROMIUM, TOTAL	3/8/2014	9.4		Yes	Y				3.2	0.26	mg/kg
LT-C-068-0-2-20140226	480-55330-12	CALCIUM	3/8/2014	145		Yes	Y	J		J	323	4.3	mg/kg
LT-C-068-0-2-20140226	480-55330-12	CADMIUM	3/8/2014	0.061		Yes	Y	J		J	1.3	0.039	mg/kg
LT-C-068-0-2-20140226	480-55330-12	BARIUM	3/8/2014	47.7		Yes	Y				3.2	0.14	mg/kg
LT-C-068-0-2-20140226	480-55330-12	ARSENIC	3/8/2014	3.2		Yes	Y	J		J	12.9	0.52	mg/kg
LT-C-068-0-2-20140226	480-55330-12	ANTIMONY	3/8/2014			Yes	N	U		U	97.0	0.52	mg/kg
LT-C-068-0-2-20140226	480-55330-12	SILVER	3/8/2014			Yes	N	U		U	3.2	0.26	mg/kg
LT-C-068-0-2-20140226	480-55330-12	SELENIUM	3/8/2014			Yes	N	U		U	25.9	0.52	mg/kg
LT-C-068-0-2-20140226	480-55330-12	BERYLLIUM	3/8/2014	0.64		Yes	Y	J		J	1.3	0.036	mg/kg
LT-C-068-4-6-20140226	480-55330-13	ARSENIC	3/8/2014	4		Yes	Y	J		J	13.1	0.52	mg/kg
LT-C-068-4-6-20140226	480-55330-13	COBALT	3/8/2014	3.6		Yes	Y				3.3	0.065	mg/kg
LT-C-068-4-6-20140226	480-55330-13	CHROMIUM, TOTAL	3/8/2014	18		Yes	Y				3.3	0.26	mg/kg
LT-C-068-4-6-20140226	480-55330-13	CALCIUM	3/8/2014	92.1		Yes	Y	J		J	327	4.3	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-4-6-20140226	480-55330-13	CADMIUM	3/8/2014	0.052		Yes	Y	J		J	1.3	0.039	mg/kg
LT-C-068-4-6-20140226	480-55330-13	COPPER	3/8/2014	10.4		Yes	Y				6.5	0.28	mg/kg
LT-C-068-4-6-20140226	480-55330-13	BARIUM	3/8/2014	44.6		Yes	Y				3.3	0.14	mg/kg
LT-C-068-4-6-20140226	480-55330-13	MAGNESIUM	3/8/2014	1620		Yes	Y				131	1.2	mg/kg
LT-C-068-4-6-20140226	480-55330-13	ANTIMONY	3/8/2014			Yes	N	U		U	98.2	0.52	mg/kg
LT-C-068-4-6-20140226	480-55330-13	BERYLLIUM	3/8/2014	0.37		Yes	Y	J		J	1.3	0.037	mg/kg
LT-C-068-4-6-20140226	480-55330-13	SELENIUM	3/8/2014			Yes	N	U		U	26.2	0.52	mg/kg
LT-C-068-4-6-20140226	480-55330-13	LEAD	3/8/2014	7.5		Yes	Y				6.5	0.31	mg/kg
LT-C-068-4-6-20140226	480-55330-13	IRON	3/8/2014	13600		Yes	Y	B	J	J	65.5	1.4	mg/kg
LT-C-068-4-6-20140226	480-55330-13	NICKEL	3/8/2014	8.8		Yes	Y	J		J	32.7	0.30	mg/kg
LT-C-068-4-6-20140226	480-55330-13	POTASSIUM	3/8/2014	499		Yes	Y				196	26.2	mg/kg
LT-C-068-4-6-20140226	480-55330-13	ZINC	3/8/2014	19.4		Yes	Y	B	J	J	13.1	0.20	mg/kg
LT-C-068-4-6-20140226	480-55330-13	MANGANESE	3/8/2014	113		Yes	Y		J	J	1.3	0.042	mg/kg
LT-C-068-4-6-20140226	480-55330-13	VANADIUM	3/8/2014	24.2		Yes	Y				3.3	0.14	mg/kg
LT-C-068-4-6-20140226	480-55330-13	THALLIUM	3/8/2014			Yes	N	U		U	39.3	0.39	mg/kg
LT-C-068-4-6-20140226	480-55330-13	SODIUM	3/8/2014	27.6		Yes	Y	J		J	917	17.0	mg/kg
LT-C-068-4-6-20140226	480-55330-13	SILVER	3/8/2014			Yes	N	U		U	3.3	0.26	mg/kg
LT-C-068-4-6-20140226	480-55330-13	ALUMINUM	3/8/2014	12400		Yes	Y		J	J	65.5	5.8	mg/kg
LT-C-068-8-10-20140226	480-55330-14	BERYLLIUM	3/8/2014	0.18		Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-068-8-10-20140226	480-55330-14	COPPER	3/8/2014	8.3		Yes	Y				5.7	0.24	mg/kg
LT-C-068-8-10-20140226	480-55330-14	COBALT	3/8/2014	3.2		Yes	Y				2.8	0.057	mg/kg
LT-C-068-8-10-20140226	480-55330-14	CHROMIUM, TOTAL	3/8/2014	10.6		Yes	Y				2.8	0.23	mg/kg
LT-C-068-8-10-20140226	480-55330-14	CADMIUM	3/8/2014	0.07		Yes	Y	J		J	1.1	0.034	mg/kg
LT-C-068-8-10-20140226	480-55330-14	BARIUM	3/8/2014	15.8		Yes	Y				2.8	0.12	mg/kg
LT-C-068-8-10-20140226	480-55330-14	ARSENIC	3/8/2014	1.1		Yes	Y	J		J	11.4	0.45	mg/kg

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-8-10-20140226	480-55330-14	ANTIMONY	3/8/2014		Yes	N	U		U	85.2	0.45	mg/kg
LT-C-068-8-10-20140226	480-55330-14	THALLIUM	3/8/2014		Yes	N	U		U	34.1	0.34	mg/kg
LT-C-068-8-10-20140226	480-55330-14	CALCIUM	3/8/2014	548	Yes	Y				284	3.7	mg/kg
LT-C-068-8-10-20140226	480-55330-14	SODIUM	3/8/2014	34.4	Yes	Y	J		J	795	14.8	mg/kg
LT-C-068-8-10-20140226	480-55330-14	ALUMINUM	3/8/2014	6180	Yes	Y		J	J	56.8	5.0	mg/kg
LT-C-068-8-10-20140226	480-55330-14	MANGANESE	3/8/2014	51	Yes	Y		J	J	1.1	0.036	mg/kg
LT-C-068-8-10-20140226	480-55330-14	SILVER	3/8/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-C-068-8-10-20140226	480-55330-14	ZINC	3/8/2014	17.3	Yes	Y	B	J	J	11.4	0.17	mg/kg
LT-C-068-8-10-20140226	480-55330-14	SELENIUM	3/8/2014		Yes	N	U		U	22.7	0.45	mg/kg
LT-C-068-8-10-20140226	480-55330-14	POTASSIUM	3/8/2014	612	Yes	Y				170	22.7	mg/kg
LT-C-068-8-10-20140226	480-55330-14	NICKEL	3/8/2014	8.8	Yes	Y	J		J	28.4	0.26	mg/kg
LT-C-068-8-10-20140226	480-55330-14	IRON	3/8/2014	5230	Yes	Y	B	J	J	56.8	1.2	mg/kg
LT-C-068-8-10-20140226	480-55330-14	MAGNESIUM	3/8/2014	1680	Yes	Y				114	1.1	mg/kg
LT-C-068-8-10-20140226	480-55330-14	LEAD	3/8/2014	4.5	Yes	Y	J		J	5.7	0.27	mg/kg
LT-C-068-8-10-20140226	480-55330-14	VANADIUM	3/8/2014	9.7	Yes	Y				2.8	0.12	mg/kg
LT-C-070-0-2-20140226	480-55330-15	NICKEL	3/8/2014	6.6	Yes	Y	J		J	30.5	0.28	mg/kg
LT-C-070-0-2-20140226	480-55330-15	SODIUM	3/8/2014	17	Yes	Y	J		J	854	15.9	mg/kg
LT-C-070-0-2-20140226	480-55330-15	THALLIUM	3/8/2014		Yes	N	U		U	36.6	0.37	mg/kg
LT-C-070-0-2-20140226	480-55330-15	VANADIUM	3/8/2014	14.9	Yes	Y				3.0	0.13	mg/kg
LT-C-070-0-2-20140226	480-55330-15	POTASSIUM	3/8/2014	306	Yes	Y				183	24.4	mg/kg
LT-C-070-0-2-20140226	480-55330-15	IRON	3/8/2014	9140	Yes	Y	B	J	J	61.0	1.3	mg/kg
LT-C-070-0-2-20140226	480-55330-15	MAGNESIUM	3/8/2014	1020	Yes	Y				122	1.1	mg/kg
LT-C-070-0-2-20140226	480-55330-15	LEAD	3/8/2014	7.5	Yes	Y				6.1	0.29	mg/kg
LT-C-070-0-2-20140226	480-55330-15	SILVER	3/8/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-C-070-0-2-20140226	480-55330-15	ZINC	3/8/2014	15.6	Yes	Y	B	J	J	12.2	0.19	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-0-2-20140226	480-55330-15	CHROMIUM, TOTAL	3/8/2014	9.8	Yes	Y				3.0	0.24	mg/kg
LT-C-070-0-2-20140226	480-55330-15	MANGANESE	3/8/2014	117	Yes	Y		J	J	1.2	0.039	mg/kg
LT-C-070-0-2-20140226	480-55330-15	SELENIUM	3/8/2014		Yes	N	U		U	24.4	0.49	mg/kg
LT-C-070-0-2-20140226	480-55330-15	ALUMINUM	3/8/2014	7650	Yes	Y		J	J	61.0	5.4	mg/kg
LT-C-070-0-2-20140226	480-55330-15	COBALT	3/8/2014	2.7	Yes	Y	J		J	3.0	0.061	mg/kg
LT-C-070-0-2-20140226	480-55330-15	CALCIUM	3/8/2014	101	Yes	Y	J		J	305	4.0	mg/kg
LT-C-070-0-2-20140226	480-55330-15	CADMIUM	3/8/2014	0.043	Yes	Y	J		J	1.2	0.037	mg/kg
LT-C-070-0-2-20140226	480-55330-15	BERYLLIUM	3/8/2014	0.32	Yes	Y	J		J	1.2	0.034	mg/kg
LT-C-070-0-2-20140226	480-55330-15	BARIUM	3/8/2014	37.7	Yes	Y				3.0	0.13	mg/kg
LT-C-070-0-2-20140226	480-55330-15	ARSENIC	3/8/2014	2.9	Yes	Y	J		J	12.2	0.49	mg/kg
LT-C-070-0-2-20140226	480-55330-15	ANTIMONY	3/8/2014		Yes	N	U		U	91.5	0.49	mg/kg
LT-C-070-0-2-20140226	480-55330-15	COPPER	3/8/2014	4.9	Yes	Y	J		J	6.1	0.26	mg/kg
LT-C-070-2-4-20140226	480-55330-16	ZINC	3/8/2014	17.6	Yes	Y	B	J	J	12.7	0.19	mg/kg
LT-C-070-2-4-20140226	480-55330-16	BARIUM	3/8/2014	35.5	Yes	Y				3.2	0.14	mg/kg
LT-C-070-2-4-20140226	480-55330-16	LEAD	3/8/2014	4.7	Yes	Y	J		J	6.3	0.30	mg/kg
LT-C-070-2-4-20140226	480-55330-16	ANTIMONY	3/8/2014		Yes	N	U		U	95.1	0.51	mg/kg
LT-C-070-2-4-20140226	480-55330-16	ARSENIC	3/8/2014	2.1	Yes	Y	J		J	12.7	0.51	mg/kg
LT-C-070-2-4-20140226	480-55330-16	POTASSIUM	3/8/2014	457	Yes	Y				190	25.4	mg/kg
LT-C-070-2-4-20140226	480-55330-16	MANGANESE	3/8/2014	96.8	Yes	Y		J	J	1.3	0.041	mg/kg
LT-C-070-2-4-20140226	480-55330-16	VANADIUM	3/8/2014	14.7	Yes	Y				3.2	0.14	mg/kg
LT-C-070-2-4-20140226	480-55330-16	THALLIUM	3/8/2014		Yes	N	U		U	38.0	0.38	mg/kg
LT-C-070-2-4-20140226	480-55330-16	SODIUM	3/8/2014	20.2	Yes	Y	J		J	887	16.5	mg/kg
LT-C-070-2-4-20140226	480-55330-16	COPPER	3/8/2014	5.1	Yes	Y	J		J	6.3	0.27	mg/kg
LT-C-070-2-4-20140226	480-55330-16	SELENIUM	3/8/2014		Yes	N	U		U	25.4	0.51	mg/kg
LT-C-070-2-4-20140226	480-55330-16	BERYLLIUM	3/8/2014	0.28	Yes	Y	J		J	1.3	0.035	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-2-4-20140226	480-55330-16	NICKEL	3/8/2014	6	Yes	Y	J		J	31.7	0.29	mg/kg
LT-C-070-2-4-20140226	480-55330-16	MAGNESIUM	3/8/2014	1020	Yes	Y				127	1.2	mg/kg
LT-C-070-2-4-20140226	480-55330-16	ALUMINUM	3/8/2014	6670	Yes	Y		J	J	63.4	5.6	mg/kg
LT-C-070-2-4-20140226	480-55330-16	CADMIUM	3/8/2014		Yes	N	U		U	1.3	0.038	mg/kg
LT-C-070-2-4-20140226	480-55330-16	COBALT	3/8/2014	2.9	Yes	Y	J		J	3.2	0.063	mg/kg
LT-C-070-2-4-20140226	480-55330-16	CHROMIUM, TOTAL	3/8/2014	11.1	Yes	Y				3.2	0.25	mg/kg
LT-C-070-2-4-20140226	480-55330-16	IRON	3/8/2014	11100	Yes	Y	B	J	J	63.4	1.4	mg/kg
LT-C-070-2-4-20140226	480-55330-16	SILVER	3/8/2014		Yes	N	U		U	3.2	0.25	mg/kg
LT-C-070-2-4-20140226	480-55330-16	CALCIUM	3/8/2014	72.8	Yes	Y	J		J	317	4.2	mg/kg
LT-C-070-8-10-20140226	480-55330-17	ANTIMONY	3/8/2014		Yes	N	U		U	91.1	0.49	mg/kg
LT-C-070-8-10-20140226	480-55330-17	CALCIUM	3/8/2014	27.3	Yes	Y	J		J	304	4.0	mg/kg
LT-C-070-8-10-20140226	480-55330-17	CADMIUM	3/8/2014		Yes	N	U		U	1.2	0.036	mg/kg
LT-C-070-8-10-20140226	480-55330-17	BERYLLIUM	3/8/2014	0.11	Yes	Y	J		J	1.2	0.034	mg/kg
LT-C-070-8-10-20140226	480-55330-17	ARSENIC	3/8/2014	1.5	Yes	Y	J		J	12.1	0.49	mg/kg
LT-C-070-8-10-20140226	480-55330-17	CHROMIUM, TOTAL	3/8/2014	11.5	Yes	Y				3.0	0.24	mg/kg
LT-C-070-8-10-20140226	480-55330-17	LEAD	3/8/2014	3.7	Yes	Y	J		J	6.1	0.29	mg/kg
LT-C-070-8-10-20140226	480-55330-17	BARIUM	3/8/2014	11.2	Yes	Y				3.0	0.13	mg/kg
LT-C-070-8-10-20140226	480-55330-17	THALLIUM	3/8/2014		Yes	N	U		U	36.4	0.36	mg/kg
LT-C-070-8-10-20140226	480-55330-17	COBALT	3/8/2014	1	Yes	Y	J		J	3.0	0.061	mg/kg
LT-C-070-8-10-20140226	480-55330-17	VANADIUM	3/8/2014	13	Yes	Y				3.0	0.13	mg/kg
LT-C-070-8-10-20140226	480-55330-17	SODIUM	3/8/2014	19.3	Yes	Y	J		J	850	15.8	mg/kg
LT-C-070-8-10-20140226	480-55330-17	SILVER	3/8/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-C-070-8-10-20140226	480-55330-17	SELENIUM	3/8/2014		Yes	N	U		U	24.3	0.49	mg/kg
LT-C-070-8-10-20140226	480-55330-17	POTASSIUM	3/8/2014	397	Yes	Y				182	24.3	mg/kg
LT-C-070-8-10-20140226	480-55330-17	IRON	3/8/2014	6950	Yes	Y	B	J	J	60.7	1.3	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-8-10-20140226	480-55330-17	MAGNESIUM	3/8/2014	381	Yes	Y				121	1.1	mg/kg
LT-C-070-8-10-20140226	480-55330-17	ALUMINUM	3/8/2014	3190	Yes	Y		J	J	60.7	5.3	mg/kg
LT-C-070-8-10-20140226	480-55330-17	COPPER	3/8/2014	4.8	Yes	Y	J		J	6.1	0.26	mg/kg
LT-C-070-8-10-20140226	480-55330-17	NICKEL	3/8/2014	2.9	Yes	Y	J		J	30.4	0.28	mg/kg
LT-C-070-8-10-20140226	480-55330-17	MANGANESE	3/8/2014	17.6	Yes	Y		J	J	1.2	0.039	mg/kg
LT-C-070-8-10-20140226	480-55330-17	ZINC	3/8/2014	8.6	Yes	Y	BJ	UJ	UJ	12.1	0.19	mg/kg
LT-C-071-0-2-20140226	480-55330-21	MAGNESIUM	3/10/2014	754	Yes	Y				111	1.0	mg/kg
LT-C-071-0-2-20140226	480-55330-21	CADMIUM	3/10/2014	0.042	Yes	Y	J		J	1.1	0.033	mg/kg
LT-C-071-0-2-20140226	480-55330-21	CALCIUM	3/10/2014	109	Yes	Y	BJ	U	U	278	3.7	mg/kg
LT-C-071-0-2-20140226	480-55330-21	CHROMIUM, TOTAL	3/10/2014	10.3	Yes	Y	B			2.8	0.22	mg/kg
LT-C-071-0-2-20140226	480-55330-21	COBALT	3/10/2014	3.1	Yes	Y				2.8	0.056	mg/kg
LT-C-071-0-2-20140226	480-55330-21	COPPER	3/10/2014	4.9	Yes	Y	J		J	5.6	0.23	mg/kg
LT-C-071-0-2-20140226	480-55330-21	LEAD	3/10/2014	7.9	Yes	Y				5.6	0.27	mg/kg
LT-C-071-0-2-20140226	480-55330-21	MANGANESE	3/10/2014	301	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-C-071-0-2-20140226	480-55330-21	BERYLLIUM	3/10/2014	0.7	Yes	Y	J		J	1.1	0.031	mg/kg
LT-C-071-0-2-20140226	480-55330-21	NICKEL	3/10/2014	7.8	Yes	Y	J		J	27.8	0.26	mg/kg
LT-C-071-0-2-20140226	480-55330-21	SILVER	3/10/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-C-071-0-2-20140226	480-55330-21	IRON	3/10/2014	7470	Yes	Y	B			55.6	1.2	mg/kg
LT-C-071-0-2-20140226	480-55330-21	BARIUM	3/10/2014	45.5	Yes	Y				2.8	0.12	mg/kg
LT-C-071-0-2-20140226	480-55330-21	ARSENIC	3/10/2014	2.5	Yes	Y	J		J	11.1	0.44	mg/kg
LT-C-071-0-2-20140226	480-55330-21	ANTIMONY	3/10/2014		Yes	N	U		U	83.4	0.44	mg/kg
LT-C-071-0-2-20140226	480-55330-21	ALUMINUM	3/10/2014	7790	Yes	Y		J	J	55.6	4.9	mg/kg
LT-C-071-0-2-20140226	480-55330-21	SELENIUM	3/10/2014		Yes	N	U		U	22.2	0.44	mg/kg
LT-C-071-0-2-20140226	480-55330-21	SODIUM	3/10/2014	20.1	Yes	Y	J		J	778	14.5	mg/kg
LT-C-071-0-2-20140226	480-55330-21	THALLIUM	3/10/2014		Yes	N	U		U	33.4	0.33	mg/kg

SDG: 480553301

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-0-2-20140226	480-55330-21	VANADIUM	3/10/2014	10.7		Yes	Y				2.8	0.12	mg/kg
LT-C-071-0-2-20140226	480-55330-21	ZINC	3/10/2014	17.7		Yes	Y	B			11.1	0.17	mg/kg
LT-C-071-0-2-20140226	480-55330-21	POTASSIUM	3/10/2014	200		Yes	Y				167	22.2	mg/kg
LT-C-071-2-4-20140226	480-55330-22	ZINC	3/10/2014	22.7		Yes	Y	B			10.7	0.16	mg/kg
LT-C-071-2-4-20140226	480-55330-22	IRON	3/10/2014	10200		Yes	Y	B			53.6	1.2	mg/kg
LT-C-071-2-4-20140226	480-55330-22	CADMIUM	3/10/2014	0.038		Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-071-2-4-20140226	480-55330-22	ALUMINUM	3/10/2014	9300		Yes	Y		J	J	53.6	4.7	mg/kg
LT-C-071-2-4-20140226	480-55330-22	ANTIMONY	3/10/2014			Yes	N	U		U	80.5	0.43	mg/kg
LT-C-071-2-4-20140226	480-55330-22	ARSENIC	3/10/2014	2.3		Yes	Y	J		J	10.7	0.43	mg/kg
LT-C-071-2-4-20140226	480-55330-22	BERYLLIUM	3/10/2014	0.42		Yes	Y	J		J	1.1	0.030	mg/kg
LT-C-071-2-4-20140226	480-55330-22	CALCIUM	3/10/2014	133		Yes	Y	BJ	U	U	268	3.5	mg/kg
LT-C-071-2-4-20140226	480-55330-22	CHROMIUM, TOTAL	3/10/2014	15.1		Yes	Y	B			2.7	0.21	mg/kg
LT-C-071-2-4-20140226	480-55330-22	COBALT	3/10/2014	4.3		Yes	Y				2.7	0.054	mg/kg
LT-C-071-2-4-20140226	480-55330-22	MAGNESIUM	3/10/2014	1490		Yes	Y				107	0.99	mg/kg
LT-C-071-2-4-20140226	480-55330-22	LEAD	3/10/2014	5.2		Yes	Y	J		J	5.4	0.26	mg/kg
LT-C-071-2-4-20140226	480-55330-22	VANADIUM	3/10/2014	18.5		Yes	Y				2.7	0.12	mg/kg
LT-C-071-2-4-20140226	480-55330-22	MANGANESE	3/10/2014	183		Yes	Y	B	J	J	1.1	0.034	mg/kg
LT-C-071-2-4-20140226	480-55330-22	NICKEL	3/10/2014	9.1		Yes	Y	J		J	26.8	0.25	mg/kg
LT-C-071-2-4-20140226	480-55330-22	POTASSIUM	3/10/2014	532		Yes	Y				161	21.5	mg/kg
LT-C-071-2-4-20140226	480-55330-22	SELENIUM	3/10/2014			Yes	N	U		U	21.5	0.43	mg/kg
LT-C-071-2-4-20140226	480-55330-22	SILVER	3/10/2014			Yes	N	U		U	2.7	0.21	mg/kg
LT-C-071-2-4-20140226	480-55330-22	SODIUM	3/10/2014	28.3		Yes	Y	J		J	751	13.9	mg/kg
LT-C-071-2-4-20140226	480-55330-22	THALLIUM	3/10/2014			Yes	N	U		U	32.2	0.32	mg/kg
LT-C-071-2-4-20140226	480-55330-22	COPPER	3/10/2014	7.2		Yes	Y				5.4	0.23	mg/kg
LT-C-071-2-4-20140226	480-55330-22	BARIUM	3/10/2014	44.9		Yes	Y				2.7	0.12	mg/kg

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-8-10-20140226	480-55330-23	COPPER	3/10/2014	6		Yes	Y				5.5	0.23	mg/kg
LT-C-071-8-10-20140226	480-55330-23	VANADIUM	3/10/2014	9.2		Yes	Y				2.8	0.12	mg/kg
LT-C-071-8-10-20140226	480-55330-23	THALLIUM	3/10/2014			Yes	N	U		U	33.2	0.33	mg/kg
LT-C-071-8-10-20140226	480-55330-23	SODIUM	3/10/2014	25.7		Yes	Y	J		J	774	14.4	mg/kg
LT-C-071-8-10-20140226	480-55330-23	POTASSIUM	3/10/2014	491		Yes	Y				166	22.1	mg/kg
LT-C-071-8-10-20140226	480-55330-23	NICKEL	3/10/2014	5.3		Yes	Y	J		J	27.7	0.25	mg/kg
LT-C-071-8-10-20140226	480-55330-23	MANGANESE	3/10/2014	632		Yes	Y	B	J	J	1.1	0.035	mg/kg
LT-C-071-8-10-20140226	480-55330-23	MAGNESIUM	3/10/2014	720		Yes	Y				111	1.0	mg/kg
LT-C-071-8-10-20140226	480-55330-23	ZINC	3/10/2014	10.5		Yes	Y	BJ	U	U	11.1	0.17	mg/kg
LT-C-071-8-10-20140226	480-55330-23	IRON	3/10/2014	8370		Yes	Y	B			55.3	1.2	mg/kg
LT-C-071-8-10-20140226	480-55330-23	SELENIUM	3/10/2014			Yes	N	U		U	22.1	0.44	mg/kg
LT-C-071-8-10-20140226	480-55330-23	BERYLLIUM	3/10/2014	0.25		Yes	Y	J		J	1.1	0.031	mg/kg
LT-C-071-8-10-20140226	480-55330-23	CALCIUM	3/10/2014	122		Yes	Y	BJ	U	U	277	3.7	mg/kg
LT-C-071-8-10-20140226	480-55330-23	CHROMIUM, TOTAL	3/10/2014	10		Yes	Y	B			2.8	0.22	mg/kg
LT-C-071-8-10-20140226	480-55330-23	SILVER	3/10/2014			Yes	N	U		U	2.8	0.22	mg/kg
LT-C-071-8-10-20140226	480-55330-23	LEAD	3/10/2014	2.4		Yes	Y	J		J	5.5	0.27	mg/kg
LT-C-071-8-10-20140226	480-55330-23	CADMIUM	3/10/2014	0.046		Yes	Y	J		J	1.1	0.033	mg/kg
LT-C-071-8-10-20140226	480-55330-23	COBALT	3/10/2014	3.6		Yes	Y				2.8	0.055	mg/kg
LT-C-071-8-10-20140226	480-55330-23	BARIUM	3/10/2014	20.3		Yes	Y				2.8	0.12	mg/kg
LT-C-071-8-10-20140226	480-55330-23	ARSENIC	3/10/2014	1.8		Yes	Y	J		J	11.1	0.44	mg/kg
LT-C-071-8-10-20140226	480-55330-23	ANTIMONY	3/10/2014			Yes	N	U		U	83.0	0.44	mg/kg
LT-C-071-8-10-20140226	480-55330-23	ALUMINUM	3/10/2014	3210		Yes	Y		J	J	55.3	4.9	mg/kg

Analytical Method SW7470A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801682051A	4801682051A	MERCURY	3/3/2014			Yes	N	U		U	0.00020	0.00012	mg/l

SDG: 480553301

Analytical Method SW7470A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB031-20140226	480-55330-24	MERCURY	3/3/2014			Yes	N	U		U	0.00020	0.00012	mg/l

Analytical Method SW7471B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801683001A	4801683001A	MERCURY	3/4/2014			Yes	N	U		U	0.019	0.0075	mg/kg
4801683011A	4801683011A	MERCURY	3/4/2014			Yes	N	U		U	0.021	0.0083	mg/kg
DUP033-20140226	480-55330-11	MERCURY	3/4/2014			Yes	N	U	UJ	UJ	0.022	0.0090	mg/kg
LT-C-064-0-2-20140226	480-55330-18	MERCURY	3/4/2014	0.011		Yes	Y	J		J	0.023	0.0091	mg/kg
LT-C-064-2-4-20140226	480-55330-19	MERCURY	3/4/2014	0.023		Yes	Y				0.022	0.0088	mg/kg
LT-C-064-8-10-20140226	480-55330-20	MERCURY	3/4/2014			Yes	N	U		U	0.021	0.0084	mg/kg
LT-C-065-0-2-20140226	480-55330-1	MERCURY	3/4/2014	0.06		Yes	Y		J	J	0.022	0.0088	mg/kg
LT-C-065-4-6-20140226	480-55330-2	MERCURY	3/4/2014	0.066		Yes	Y		J	J	0.023	0.0094	mg/kg
LT-C-065-6-8-20140226	480-55330-3	MERCURY	3/4/2014			Yes	N	U	UJ	UJ	0.021	0.0084	mg/kg
LT-C-066-0-2-20140226	480-55330-4	MERCURY	3/4/2014	0.029		Yes	Y		J	J	0.023	0.0091	mg/kg
LT-C-066-4-6-20140226	480-55330-5	MERCURY	3/4/2014	0.023		Yes	Y		J	J	0.023	0.0091	mg/kg
LT-C-066-6-8-20140226	480-55330-6	MERCURY	3/4/2014	0.0095		Yes	Y	J	J	J	0.022	0.0088	mg/kg
LT-C-067-0-2-20140226	480-55330-7	MERCURY	3/4/2014	0.025		Yes	Y		J	J	0.023	0.0094	mg/kg
LT-C-067-4-6-20140226	480-55330-8	MERCURY	3/4/2014	0.03		Yes	Y		J	J	0.022	0.0091	mg/kg
LT-C-067-6-8-20140226	480-55330-9	MERCURY	3/4/2014			Yes	N	U	UJ	UJ	0.020	0.0083	mg/kg
LT-C-068-0-2-20140226	480-55330-12	MERCURY	3/4/2014	0.057		Yes	Y				0.025	0.010	mg/kg
LT-C-068-4-6-20140226	480-55330-13	MERCURY	3/4/2014	0.018		Yes	Y	J		J	0.023	0.0092	mg/kg
LT-C-068-8-10-20140226	480-55330-14	MERCURY	3/4/2014			Yes	N	U		U	0.022	0.0091	mg/kg
LT-C-070-0-2-20140226	480-55330-15	MERCURY	3/4/2014	0.016		Yes	Y	J		J	0.024	0.0097	mg/kg
LT-C-070-2-4-20140226	480-55330-16	MERCURY	3/4/2014	0.011		Yes	Y	J		J	0.021	0.0085	mg/kg
LT-C-070-8-10-20140226	480-55330-17	MERCURY	3/4/2014			Yes	N	U		U	0.022	0.0088	mg/kg
LT-C-071-0-2-20140226	480-55330-21	MERCURY	3/4/2014	0.015		Yes	Y	J		J	0.022	0.0091	mg/kg

Analytical Method SW7471B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-2-4-20140226	480-55330-22	MERCURY	3/4/2014		Yes	N	U		U	0.022	0.0089	mg/kg
LT-C-071-8-10-20140226	480-55330-23	MERCURY	3/4/2014		Yes	N	U		U	0.021	0.0084	mg/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681501A	4801681501A	DIELDRIN	3/3/2014		Yes	N	U		U	0.050	0.0098	ug/l
4801681501A	4801681501A	ENDRIN KETONE	3/3/2014		Yes	N	U		U	0.050	0.012	ug/l
4801681501A	4801681501A	TOXAPHENE	3/3/2014		Yes	N	U		U	0.50	0.12	ug/l
4801681501A	4801681501A	P,P'-DDT	3/3/2014		Yes	N	U		U	0.050	0.011	ug/l
4801681501A	4801681501A	P,P'-DDE	3/3/2014		Yes	N	U		U	0.050	0.012	ug/l
4801681501A	4801681501A	P,P'-DDD	3/3/2014		Yes	N	U		U	0.050	0.0092	ug/l
4801681501A	4801681501A	METHOXYCHLOR	3/3/2014		Yes	N	U		U	0.050	0.014	ug/l
4801681501A	4801681501A	HEPTACHLOR EPOXIDE	3/3/2014		Yes	N	U		U	0.050	0.0053	ug/l
4801681501A	4801681501A	HEPTACHLOR	3/3/2014		Yes	N	U		U	0.050	0.0085	ug/l
4801681501A	4801681501A	BETA ENDOSULFAN	3/3/2014		Yes	N	U		U	0.050	0.012	ug/l
4801681501A	4801681501A	GAMMA BHC (LINDANE)	3/3/2014		Yes	N	U		U	0.050	0.0060	ug/l
4801681501A	4801681501A	ALDRIN	3/3/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801681501A	4801681501A	ENDRIN ALDEHYDE	3/3/2014		Yes	N	U		U	0.050	0.016	ug/l
4801681501A	4801681501A	ENDRIN	3/3/2014		Yes	N	U		U	0.050	0.014	ug/l
4801681501A	4801681501A	ENDOSULFAN SULFATE	3/3/2014		Yes	N	U		U	0.050	0.016	ug/l
4801681501A	4801681501A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014		Yes	N	U		U	0.050	0.010	ug/l
4801681501A	4801681501A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014		Yes	N	U		U	0.050	0.025	ug/l
4801681501A	4801681501A	ALPHA ENDOSULFAN	3/3/2014		Yes	N	U		U	0.050	0.011	ug/l
4801681501A	4801681501A	ALPHA CHLORDANE	3/3/2014		Yes	N	U		U	0.050	0.015	ug/l
4801681501A	4801681501A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014		Yes	N	U		U	0.050	0.0066	ug/l

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681501A	4801681501A	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	0.050	0.011	ug/l
4801682081A	4801682081A	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.7	0.43	ug/kg
4801682081A	4801682081A	P,P'-DDD	3/3/2014			Yes	N	U		U	1.7	0.32	ug/kg
4801682081A	4801682081A	TOXAPHENE	3/3/2014			Yes	N	U		U	17	9.7	ug/kg
4801682081A	4801682081A	P,P'-DDT	3/3/2014			Yes	N	U		U	1.7	0.17	ug/kg
4801682081A	4801682081A	P,P'-DDE	3/3/2014			Yes	N	U		U	1.7	0.25	ug/kg
4801682081A	4801682081A	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.7	0.30	ug/kg
4801682081A	4801682081A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.7	0.30	ug/kg
4801682081A	4801682081A	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.7	0.23	ug/kg
4801682081A	4801682081A	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.7	0.21	ug/kg
4801682081A	4801682081A	DIELDRIN	3/3/2014			Yes	N	U		U	1.7	0.40	ug/kg
4801682081A	4801682081A	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.7	0.31	ug/kg
4801682081A	4801682081A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.7	0.18	ug/kg
4801682081A	4801682081A	ALDRIN	3/3/2014			Yes	N	U		U	1.7	0.41	ug/kg
4801682081A	4801682081A	ENDRIN	3/3/2014			Yes	N	U		U	1.7	0.23	ug/kg
4801682081A	4801682081A	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.7	0.41	ug/kg
4801682081A	4801682081A	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.7	0.21	ug/kg
4801682081A	4801682081A	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.7	0.83	ug/kg
4801682081A	4801682081A	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.7	0.53	ug/kg
4801682081A	4801682081A	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.7	0.26	ug/kg
4801682081A	4801682081A	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.7	0.43	ug/kg
4801682081A	4801682081A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.461		Yes	Y	J		J	1.7	0.22	ug/kg
4801682111A	4801682111A	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.7	0.42	ug/kg
4801682111A	4801682111A	TOXAPHENE	3/3/2014			Yes	N	U		U	17	9.6	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801682111A	4801682111A	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.7	0.82	ug/kg
4801682111A	4801682111A	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.7	0.21	ug/kg
4801682111A	4801682111A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.7	0.18	ug/kg
4801682111A	4801682111A	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.7	0.30	ug/kg
4801682111A	4801682111A	P,P'-DDT	3/3/2014			Yes	N	U		U	1.7	0.17	ug/kg
4801682111A	4801682111A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.7	0.22	ug/kg
4801682111A	4801682111A	DIELDRIN	3/3/2014			Yes	N	U		U	1.7	0.40	ug/kg
4801682111A	4801682111A	ENDRIN	3/3/2014			Yes	N	U		U	1.7	0.23	ug/kg
4801682111A	4801682111A	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.7	0.41	ug/kg
4801682111A	4801682111A	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.7	0.20	ug/kg
4801682111A	4801682111A	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.7	0.53	ug/kg
4801682111A	4801682111A	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.7	0.26	ug/kg
4801682111A	4801682111A	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.7	0.43	ug/kg
4801682111A	4801682111A	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.7	0.23	ug/kg
4801682111A	4801682111A	P,P'-DDD	3/3/2014			Yes	N	U		U	1.7	0.32	ug/kg
4801682111A	4801682111A	P,P'-DDE	3/3/2014			Yes	N	U		U	1.7	0.25	ug/kg
4801682111A	4801682111A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.7	0.30	ug/kg
4801682111A	4801682111A	ALDRIN	3/3/2014			Yes	N	U		U	1.7	0.41	ug/kg
4801682111A	4801682111A	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.7	0.31	ug/kg
DUP033-20140226	480-55330-11	P,P'-DDE	3/3/2014			Yes	N	U		U	1.8	0.27	ug/kg
DUP033-20140226	480-55330-11	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
DUP033-20140226	480-55330-11	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.91	ug/kg
DUP033-20140226	480-55330-11	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.8	0.47	ug/kg
DUP033-20140226	480-55330-11	P,P'-DDT	3/3/2014			Yes	N	U		U	1.8	0.19	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
DUP033-20140226	480-55330-11	P,P'-DDD	3/3/2014			Yes	N	U		U	1.8	0.35	ug/kg
DUP033-20140226	480-55330-11	ALDRIN	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
DUP033-20140226	480-55330-11	TOXAPHENE	3/3/2014			Yes	N	U		U	18	11	ug/kg
DUP033-20140226	480-55330-11	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.8	0.34	ug/kg
DUP033-20140226	480-55330-11	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.24	ug/kg
DUP033-20140226	480-55330-11	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
DUP033-20140226	480-55330-11	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.20	ug/kg
DUP033-20140226	480-55330-11	DIELDRIN	3/3/2014			Yes	N	U		U	1.8	0.44	ug/kg
DUP033-20140226	480-55330-11	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.8	0.28	ug/kg
DUP033-20140226	480-55330-11	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
DUP033-20140226	480-55330-11	ENDRIN	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
DUP033-20140226	480-55330-11	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.8	0.46	ug/kg
DUP033-20140226	480-55330-11	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
DUP033-20140226	480-55330-11	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.8	0.22	ug/kg
DUP033-20140226	480-55330-11	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.58	ug/kg
DUP033-20140226	480-55330-11	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.23	ug/kg
FB031-20140226	480-55330-24	METHOXYCHLOR	3/3/2014			Yes	N	U		U	0.049	0.014	ug/l
FB031-20140226	480-55330-24	P,P'-DDE	3/3/2014			Yes	N	U		U	0.049	0.011	ug/l
FB031-20140226	480-55330-24	P,P'-DDT	3/3/2014			Yes	N	U		U	0.049	0.011	ug/l
FB031-20140226	480-55330-24	P,P'-DDD	3/3/2014			Yes	N	U		U	0.049	0.0090	ug/l
FB031-20140226	480-55330-24	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	0.049	0.024	ug/l
FB031-20140226	480-55330-24	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	0.049	0.0065	ug/l
FB031-20140226	480-55330-24	TOXAPHENE	3/3/2014			Yes	N	U		U	0.49	0.12	ug/l

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB031-20140226	480-55330-24	ALDRIN	3/3/2014			Yes	N	U		U	0.049	0.0065	ug/l
FB031-20140226	480-55330-24	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	0.049	0.0052	ug/l
FB031-20140226	480-55330-24	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	0.049	0.011	ug/l
FB031-20140226	480-55330-24	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	0.049	0.012	ug/l
FB031-20140226	480-55330-24	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	0.049	0.0098	ug/l
FB031-20140226	480-55330-24	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	0.049	0.015	ug/l
FB031-20140226	480-55330-24	ENDRIN	3/3/2014			Yes	N	U		U	0.049	0.014	ug/l
FB031-20140226	480-55330-24	HEPTACHLOR	3/3/2014			Yes	N	U		U	0.049	0.0083	ug/l
FB031-20140226	480-55330-24	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	0.049	0.011	ug/l
FB031-20140226	480-55330-24	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	0.049	0.016	ug/l
FB031-20140226	480-55330-24	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	0.049	0.0059	ug/l
FB031-20140226	480-55330-24	ENDRIN KETONE	3/3/2014			Yes	N	U		U	0.049	0.012	ug/l
FB031-20140226	480-55330-24	DIELDRIN	3/3/2014			Yes	N	U		U	0.049	0.0096	ug/l
FB031-20140226	480-55330-24	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	0.049	0.015	ug/l
LT-C-064-0-2-20140226	480-55330-18	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-064-0-2-20140226	480-55330-18	P,P'-DDT	3/3/2014	0.36		Yes	Y	J	J	J	1.8	0.18	ug/kg
LT-C-064-0-2-20140226	480-55330-18	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.57	ug/kg
LT-C-064-0-2-20140226	480-55330-18	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-064-0-2-20140226	480-55330-18	P,P'-DDD	3/3/2014			Yes	N	U		U	1.8	0.35	ug/kg
LT-C-064-0-2-20140226	480-55330-18	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-064-0-2-20140226	480-55330-18	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.41		Yes	Y	J		J	1.8	0.24	ug/kg
LT-C-064-0-2-20140226	480-55330-18	P,P'-DDE	3/3/2014			Yes	N	U		U	1.8	0.27	ug/kg
LT-C-064-0-2-20140226	480-55330-18	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.8	0.28	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.90	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-0-2-20140226	480-55330-18	TOXAPHENE	3/3/2014			Yes	N	U		U	18	10	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.8	0.34	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U	UJ	UJ	1.8	0.32	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.19	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.32	ug/kg
LT-C-064-0-2-20140226	480-55330-18	DIELDRIN	3/3/2014			Yes	N	U		U	1.8	0.43	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ENDRIN	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ALDRIN	3/3/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-064-2-4-20140226	480-55330-19	TOXAPHENE	3/3/2014			Yes	N	U		U	19	11	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ALDRIN	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.97	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.21	ug/kg
LT-C-064-2-4-20140226	480-55330-19	METHOXYCHLOR	3/3/2014	0.74		Yes	Y	J		J	1.9	0.27	ug/kg
LT-C-064-2-4-20140226	480-55330-19	P,P'-DDT	3/3/2014			Yes	N	U		U	1.9	0.20	ug/kg
LT-C-064-2-4-20140226	480-55330-19	P,P'-DDD	3/3/2014			Yes	N	U		U	1.9	0.38	ug/kg
LT-C-064-2-4-20140226	480-55330-19	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-064-2-4-20140226	480-55330-19	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.9	0.50	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-2-4-20140226	480-55330-19	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.9	0.30	ug/kg
LT-C-064-2-4-20140226	480-55330-19	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.62	ug/kg
LT-C-064-2-4-20140226	480-55330-19	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.50	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ENDRIN	3/3/2014			Yes	N	U		U	1.9	0.27	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.9	0.36	ug/kg
LT-C-064-2-4-20140226	480-55330-19	DIELDRIN	3/3/2014			Yes	N	U		U	1.9	0.47	ug/kg
LT-C-064-2-4-20140226	480-55330-19	P,P'-DDE	3/3/2014			Yes	N	U		U	1.9	0.29	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.8	0.43	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.19	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.32	ug/kg
LT-C-064-8-10-20140226	480-55330-20	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-064-8-10-20140226	480-55330-20	DIELDRIN	3/3/2014			Yes	N	U		U	1.8	0.42	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ENDRIN	3/3/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-064-8-10-20140226	480-55330-20	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-064-8-10-20140226	480-55330-20	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.56	ug/kg
LT-C-064-8-10-20140226	480-55330-20	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.8	0.27	ug/kg
LT-C-064-8-10-20140226	480-55330-20	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-064-8-10-20140226	480-55330-20	P,P'-DDD	3/3/2014			Yes	N	U		U	1.8	0.34	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-064-8-10-20140226	480-55330-20	TOXAPHENE	3/3/2014			Yes	N	U		U	18	10	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-8-10-20140226	480-55330-20	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ALDRIN	3/3/2014			Yes	N	U		U	1.8	0.43	ug/kg
LT-C-064-8-10-20140226	480-55330-20	P,P'-DDT	3/3/2014			Yes	N	U		U	1.8	0.18	ug/kg
LT-C-064-8-10-20140226	480-55330-20	P,P'-DDE	3/3/2014			Yes	N	U		U	1.8	0.26	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.87	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.32	ug/kg
LT-C-065-0-2-20140226	480-55330-1	METHOXYCHLOR	3/3/2014			Yes	N	U		U	9.3	1.3	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	9.3	1.0	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	9.3	1.7	ug/kg
LT-C-065-0-2-20140226	480-55330-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	9.3	1.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	DIELDRIN	3/3/2014			Yes	N	U		U	9.3	2.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	9.3	1.7	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U	UJ	UJ	9.3	2.4	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	9.3	4.6	ug/kg
LT-C-065-0-2-20140226	480-55330-1	P,P'-DDD	3/3/2014			Yes	N	U		U	9.3	1.8	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	9.3	1.7	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ENDRIN KETONE	3/3/2014			Yes	N	U		U	9.3	2.3	ug/kg
LT-C-065-0-2-20140226	480-55330-1	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	9.3	1.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	9.3	3.0	ug/kg
LT-C-065-0-2-20140226	480-55330-1	HEPTACHLOR	3/3/2014			Yes	N	U		U	9.3	1.5	ug/kg
LT-C-065-0-2-20140226	480-55330-1	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	9.3	2.4	ug/kg
LT-C-065-0-2-20140226	480-55330-1	P,P'-DDE	3/3/2014	3.1		Yes	Y	J		J	9.3	1.4	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ENDRIN	3/3/2014			Yes	N	U		U	9.3	1.3	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-0-2-20140226	480-55330-1	ALDRIN	3/3/2014			Yes	N	U		U	9.3	2.3	ug/kg
LT-C-065-0-2-20140226	480-55330-1	TOXAPHENE	3/3/2014			Yes	N	U	UJ	UJ	93	54	ug/kg
LT-C-065-0-2-20140226	480-55330-1	P,P'-DDT	3/3/2014	4		Yes	Y	J		J	9.3	0.95	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	9.3	1.2	ug/kg
LT-C-065-4-6-20140226	480-55330-2	P,P'-DDD	3/3/2014			Yes	N	U		U	9.6	1.9	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ENDRIN	3/3/2014			Yes	N	U		U	9.6	1.3	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ALDRIN	3/3/2014			Yes	N	U		U	9.6	2.3	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014	2.2		Yes	Y	J		J	9.6	1.7	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	9.6	4.7	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	9.6	1.2	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	9.6	1.0	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	9.6	1.7	ug/kg
LT-C-065-4-6-20140226	480-55330-2	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	9.6	1.3	ug/kg
LT-C-065-4-6-20140226	480-55330-2	P,P'-DDT	3/3/2014	4.7		Yes	Y	J		J	9.6	0.97	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	9.6	1.8	ug/kg
LT-C-065-4-6-20140226	480-55330-2	TOXAPHENE	3/3/2014			Yes	N	U		U	96	55	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	9.6	2.4	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ENDRIN KETONE	3/3/2014			Yes	N	U		U	9.6	2.3	ug/kg
LT-C-065-4-6-20140226	480-55330-2	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	9.6	1.2	ug/kg
LT-C-065-4-6-20140226	480-55330-2	GAMMA CHLORDANE	3/3/2014	3.4		Yes	Y	J		J	9.6	3.0	ug/kg
LT-C-065-4-6-20140226	480-55330-2	HEPTACHLOR	3/3/2014			Yes	N	U		U	9.6	1.5	ug/kg
LT-C-065-4-6-20140226	480-55330-2	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	9.6	2.5	ug/kg
LT-C-065-4-6-20140226	480-55330-2	METHOXYCHLOR	3/3/2014			Yes	N	U		U	9.6	1.3	ug/kg
LT-C-065-4-6-20140226	480-55330-2	P,P'-DDE	3/3/2014	3.8		Yes	Y	J		J	9.6	1.4	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-4-6-20140226	480-55330-2	DIELDRIN	3/3/2014			Yes	N	U		U	9.6	2.3	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.8	0.34	ug/kg
LT-C-065-6-8-20140226	480-55330-3	P,P'-DDT	3/3/2014	0.73		Yes	Y	J		J	1.8	0.19	ug/kg
LT-C-065-6-8-20140226	480-55330-3	P,P'-DDE	3/3/2014	0.56		Yes	Y	J		J	1.8	0.27	ug/kg
LT-C-065-6-8-20140226	480-55330-3	P,P'-DDD	3/3/2014			Yes	N	U		U	1.8	0.36	ug/kg
LT-C-065-6-8-20140226	480-55330-3	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-065-6-8-20140226	480-55330-3	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-065-6-8-20140226	480-55330-3	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.58	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-065-6-8-20140226	480-55330-3	TOXAPHENE	3/3/2014			Yes	N	U		U	18	11	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ENDRIN	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-065-6-8-20140226	480-55330-3	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.8	0.29	ug/kg
LT-C-065-6-8-20140226	480-55330-3	DIELDRIN	3/3/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-065-6-8-20140226	480-55330-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.47		Yes	Y	J		J	1.8	0.20	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.91	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ALDRIN	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-065-6-8-20140226	480-55330-3	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.49	ug/kg
LT-C-066-0-2-20140226	480-55330-4	P,P'-DDT	3/3/2014	1.3		Yes	Y	J		J	1.9	0.20	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-0-2-20140226	480-55330-4	P,P'-DDE	3/3/2014	1.1	Yes	Y	J		J	1.9	0.29	ug/kg
LT-C-066-0-2-20140226	480-55330-4	P,P'-DDD	3/3/2014	0.57	Yes	Y	J		J	1.9	0.37	ug/kg
LT-C-066-0-2-20140226	480-55330-4	METHOXYCHLOR	3/3/2014	4.1	Yes	Y				1.9	0.27	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.48	Yes	Y	J		J	1.9	0.35	ug/kg
LT-C-066-0-2-20140226	480-55330-4	HEPTACHLOR EPOXIDE	3/3/2014		Yes	N	U		U	1.9	0.50	ug/kg
LT-C-066-0-2-20140226	480-55330-4	HEPTACHLOR	3/3/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-C-066-0-2-20140226	480-55330-4	GAMMA CHLORDANE	3/3/2014		Yes	N	U		U	1.9	0.61	ug/kg
LT-C-066-0-2-20140226	480-55330-4	TOXAPHENE	3/3/2014		Yes	N	U		U	19	11	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ENDRIN KETONE	3/3/2014	0.63	Yes	Y	J		J	1.9	0.47	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ENDRIN	3/3/2014		Yes	N	U		U	1.9	0.27	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ENDOSULFAN SULFATE	3/3/2014		Yes	N	U		U	1.9	0.36	ug/kg
LT-C-066-0-2-20140226	480-55330-4	DIELDRIN	3/3/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-066-0-2-20140226	480-55330-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BETA ENDOSULFAN	3/3/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.56	Yes	Y	J		J	1.9	0.21	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ALPHA ENDOSULFAN	3/3/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ALPHA CHLORDANE	3/3/2014		Yes	N	U		U	1.9	0.96	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ALDRIN	3/3/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-C-066-0-2-20140226	480-55330-4	GAMMA BHC (LINDANE)	3/3/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ALPHA ENDOSULFAN	3/4/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-C-066-4-6-20140226	480-55330-5	HEPTACHLOR	3/4/2014		Yes	N	U		U	1.9	0.29	ug/kg
LT-C-066-4-6-20140226	480-55330-5	GAMMA BHC (LINDANE)	3/4/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ENDRIN KETONE	3/4/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ENDRIN ALDEHYDE	3/4/2014		Yes	N	U		U	1.9	0.48	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-4-6-20140226	480-55330-5	ENDRIN	3/4/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ENDOSULFAN SULFATE	3/4/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-066-4-6-20140226	480-55330-5	DIELDRIN	3/4/2014			Yes	N	U		U	1.9	0.45	ug/kg
LT-C-066-4-6-20140226	480-55330-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/4/2014			Yes	N	U		U	1.9	0.25	ug/kg
LT-C-066-4-6-20140226	480-55330-5	GAMMA CHLORDANE	3/4/2014			Yes	N	U		U	1.9	0.60	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/4/2014	0.54		Yes	Y	J		J	1.9	0.20	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ALPHA CHLORDANE	3/4/2014			Yes	N	U		U	1.9	0.93	ug/kg
LT-C-066-4-6-20140226	480-55330-5	HEPTACHLOR EPOXIDE	3/4/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-066-4-6-20140226	480-55330-5	METHOXYCHLOR	3/4/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/4/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-066-4-6-20140226	480-55330-5	P,P'-DDD	3/4/2014			Yes	N	U		U	1.9	0.36	ug/kg
LT-C-066-4-6-20140226	480-55330-5	P,P'-DDE	3/4/2014	0.66		Yes	Y	J		J	1.9	0.28	ug/kg
LT-C-066-4-6-20140226	480-55330-5	P,P'-DDT	3/4/2014	0.89		Yes	Y	J		J	1.9	0.19	ug/kg
LT-C-066-4-6-20140226	480-55330-5	TOXAPHENE	3/4/2014			Yes	N	U		U	19	11	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ALDRIN	3/4/2014			Yes	N	U		U	1.9	0.46	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BETA ENDOSULFAN	3/4/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ALDRIN	3/3/2014			Yes	N	U		U	1.9	0.46	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.53		Yes	Y	J		J	1.9	0.20	ug/kg
LT-C-066-6-8-20140226	480-55330-6	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.9	0.29	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-066-6-8-20140226	480-55330-6	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.60	ug/kg
LT-C-066-6-8-20140226	480-55330-6	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.9	0.23	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.9	0.46	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-6-8-20140226	480-55330-6	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ENDRIN	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-066-6-8-20140226	480-55330-6	DIELDRIN	3/3/2014			Yes	N	U		U	1.9	0.45	ug/kg
LT-C-066-6-8-20140226	480-55330-6	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.79		Yes	Y	BJ	U	U	1.9	0.25	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.93	ug/kg
LT-C-066-6-8-20140226	480-55330-6	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-066-6-8-20140226	480-55330-6	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-066-6-8-20140226	480-55330-6	P,P'-DDD	3/3/2014			Yes	N	U		U	1.9	0.36	ug/kg
LT-C-066-6-8-20140226	480-55330-6	P,P'-DDE	3/3/2014	0.66		Yes	Y	J		J	1.9	0.28	ug/kg
LT-C-066-6-8-20140226	480-55330-6	P,P'-DDT	3/3/2014	0.77		Yes	Y	J		J	1.9	0.19	ug/kg
LT-C-066-6-8-20140226	480-55330-6	TOXAPHENE	3/3/2014			Yes	N	U		U	19	11	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-067-0-2-20140226	480-55330-7	P,P'-DDD	3/3/2014			Yes	N	U		U	1.9	0.38	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ALDRIN	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-067-0-2-20140226	480-55330-7	P,P'-DDE	3/3/2014			Yes	N	U		U	1.9	0.29	ug/kg
LT-C-067-0-2-20140226	480-55330-7	P,P'-DDT	3/3/2014			Yes	N	U		U	1.9	0.20	ug/kg
LT-C-067-0-2-20140226	480-55330-7	TOXAPHENE	3/3/2014			Yes	N	U		U	19	11	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ENDRIN	3/3/2014			Yes	N	U		U	1.9	0.27	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-067-0-2-20140226	480-55330-7	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.9	0.27	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-067-0-2-20140226	480-55330-7	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.9	0.50	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-0-2-20140226	480-55330-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.21	ug/kg
LT-C-067-0-2-20140226	480-55330-7	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.9	0.30	ug/kg
LT-C-067-0-2-20140226	480-55330-7	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.62	ug/kg
LT-C-067-0-2-20140226	480-55330-7	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.50	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.9	0.36	ug/kg
LT-C-067-0-2-20140226	480-55330-7	DIELDRIN	3/3/2014			Yes	N	U		U	1.9	0.47	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.97	ug/kg
LT-C-067-0-2-20140226	480-55330-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.52		Yes	Y	BJ	U	U	1.9	0.26	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	2.0	0.37	ug/kg
LT-C-067-4-6-20140226	480-55330-8	P,P'-DDT	3/3/2014	0.81		Yes	Y	J		J	2.0	0.20	ug/kg
LT-C-067-4-6-20140226	480-55330-8	P,P'-DDE	3/3/2014	0.49		Yes	Y	J		J	2.0	0.29	ug/kg
LT-C-067-4-6-20140226	480-55330-8	P,P'-DDD	3/3/2014			Yes	N	U		U	2.0	0.38	ug/kg
LT-C-067-4-6-20140226	480-55330-8	METHOXYCHLOR	3/3/2014			Yes	N	U		U	2.0	0.27	ug/kg
LT-C-067-4-6-20140226	480-55330-8	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	2.0	0.51	ug/kg
LT-C-067-4-6-20140226	480-55330-8	HEPTACHLOR	3/3/2014			Yes	N	U		U	2.0	0.31	ug/kg
LT-C-067-4-6-20140226	480-55330-8	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	2.0	0.62	ug/kg
LT-C-067-4-6-20140226	480-55330-8	TOXAPHENE	3/3/2014			Yes	N	U		U	20	11	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	2.0	0.50	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ENDRIN KETONE	3/3/2014			Yes	N	U		U	2.0	0.48	ug/kg
LT-C-067-4-6-20140226	480-55330-8	DIELDRIN	3/3/2014			Yes	N	U		U	2.0	0.47	ug/kg
LT-C-067-4-6-20140226	480-55330-8	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	2.0	0.26	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-4-6-20140226	480-55330-8	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	2.0	0.35	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	2.0	0.21	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	2.0	0.25	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	2.0	0.97	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	2.0	0.35	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ALDRIN	3/3/2014			Yes	N	U		U	2.0	0.48	ug/kg
LT-C-067-4-6-20140226	480-55330-8	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	2.0	0.24	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ENDRIN	3/3/2014			Yes	N	U		U	2.0	0.27	ug/kg
LT-C-067-6-8-20140226	480-55330-9	P,P'-DDE	3/3/2014			Yes	N	U		U	1.9	0.28	ug/kg
LT-C-067-6-8-20140226	480-55330-9	P,P'-DDT	3/3/2014			Yes	N	U		U	1.9	0.19	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-067-6-8-20140226	480-55330-9	TOXAPHENE	3/3/2014			Yes	N	U		U	19	11	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-067-6-8-20140226	480-55330-9	DIELDRIN	3/3/2014			Yes	N	U		U	1.9	0.45	ug/kg
LT-C-067-6-8-20140226	480-55330-9	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.9	0.29	ug/kg
LT-C-067-6-8-20140226	480-55330-9	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-067-6-8-20140226	480-55330-9	P,P'-DDD	3/3/2014			Yes	N	U		U	1.9	0.36	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.9	0.46	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.23	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ALDRIN	3/3/2014			Yes	N	U		U	1.9	0.46	ug/kg
LT-C-067-6-8-20140226	480-55330-9	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.93	ug/kg
LT-C-067-6-8-20140226	480-55330-9	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.9	0.23	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-6-8-20140226	480-55330-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.20	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ENDRIN	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-067-6-8-20140226	480-55330-9	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.59	ug/kg
LT-C-067-6-8-20140226	480-55330-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.25	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ENDRIN KETONE	3/3/2014			Yes	N	U		U	21	5.1	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ENDRIN	3/3/2014			Yes	N	U		U	21	2.9	ug/kg
LT-C-068-0-2-20140226	480-55330-12	P,P'-DDD	3/3/2014			Yes	N	U		U	21	4.0	ug/kg
LT-C-068-0-2-20140226	480-55330-12	P,P'-DDE	3/3/2014			Yes	N	U		U	21	3.1	ug/kg
LT-C-068-0-2-20140226	480-55330-12	P,P'-DDT	3/3/2014			Yes	N	U		U	21	2.1	ug/kg
LT-C-068-0-2-20140226	480-55330-12	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	21	5.4	ug/kg
LT-C-068-0-2-20140226	480-55330-12	TOXAPHENE	3/3/2014			Yes	N	U		U	210	120	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	21	3.9	ug/kg
LT-C-068-0-2-20140226	480-55330-12	METHOXYCHLOR	3/3/2014			Yes	N	U		U	21	2.9	ug/kg
LT-C-068-0-2-20140226	480-55330-12	HEPTACHLOR	3/3/2014			Yes	N	U		U	21	3.3	ug/kg
LT-C-068-0-2-20140226	480-55330-12	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	21	6.6	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	21	2.6	ug/kg
LT-C-068-0-2-20140226	480-55330-12	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	21	2.6	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	21	5.3	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014	5.4		Yes	Y	J		J	21	3.7	ug/kg
LT-C-068-0-2-20140226	480-55330-12	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	21	2.7	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	21	10	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	21	3.7	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-0-2-20140226	480-55330-12	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	21	2.2	ug/kg
LT-C-068-0-2-20140226	480-55330-12	DIELDRIN	3/3/2014			Yes	N	U		U	21	5.0	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ALDRIN	3/3/2014			Yes	N	U		U	21	5.1	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-068-4-6-20140226	480-55330-13	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-068-4-6-20140226	480-55330-13	DIELDRIN	3/3/2014			Yes	N	U		U	1.9	0.47	ug/kg
LT-C-068-4-6-20140226	480-55330-13	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.9	0.27	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.9	0.36	ug/kg
LT-C-068-4-6-20140226	480-55330-13	TOXAPHENE	3/3/2014			Yes	N	U		U	19	11	ug/kg
LT-C-068-4-6-20140226	480-55330-13	P,P'-DDT	3/3/2014			Yes	N	U		U	1.9	0.20	ug/kg
LT-C-068-4-6-20140226	480-55330-13	P,P'-DDE	3/3/2014			Yes	N	U		U	1.9	0.29	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ENDRIN	3/3/2014			Yes	N	U		U	1.9	0.27	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-068-4-6-20140226	480-55330-13	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.62	ug/kg
LT-C-068-4-6-20140226	480-55330-13	P,P'-DDD	3/3/2014			Yes	N	U		U	1.9	0.38	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ALDRIN	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.97	ug/kg
LT-C-068-4-6-20140226	480-55330-13	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.9	0.50	ug/kg
LT-C-068-4-6-20140226	480-55330-13	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.9	0.30	ug/kg
LT-C-068-4-6-20140226	480-55330-13	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.21	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.50	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-4-6-20140226	480-55330-13	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-068-8-10-20140226	480-55330-14	P,P'-DDE	3/3/2014	0.44		Yes	Y	J		J	1.8	0.27	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.8	0.34	ug/kg
LT-C-068-8-10-20140226	480-55330-14	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.58	ug/kg
LT-C-068-8-10-20140226	480-55330-14	P,P'-DDD	3/3/2014			Yes	N	U		U	1.8	0.35	ug/kg
LT-C-068-8-10-20140226	480-55330-14	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-068-8-10-20140226	480-55330-14	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-068-8-10-20140226	480-55330-14	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.8	0.28	ug/kg
LT-C-068-8-10-20140226	480-55330-14	P,P'-DDT	3/3/2014			Yes	N	U		U	1.8	0.18	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ALDRIN	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-068-8-10-20140226	480-55330-14	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ENDRIN	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-068-8-10-20140226	480-55330-14	DIELDRIN	3/3/2014			Yes	N	U		U	1.8	0.43	ug/kg
LT-C-068-8-10-20140226	480-55330-14	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.24	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.20	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.23	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.90	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-068-8-10-20140226	480-55330-14	TOXAPHENE	3/3/2014			Yes	N	U		U	18	11	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	2.0	0.97	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-0-2-20140226	480-55330-15	ENDRIN KETONE	3/3/2014			Yes	N	U		U	2.0	0.48	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ALDRIN	3/3/2014			Yes	N	U		U	2.0	0.48	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	2.0	0.35	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	2.0	0.25	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	2.0	0.35	ug/kg
LT-C-070-0-2-20140226	480-55330-15	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	2.0	0.26	ug/kg
LT-C-070-0-2-20140226	480-55330-15	DIELDRIN	3/3/2014			Yes	N	U		U	2.0	0.47	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	2.0	0.36	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	2.0	0.21	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	2.0	0.50	ug/kg
LT-C-070-0-2-20140226	480-55330-15	HEPTACHLOR	3/3/2014			Yes	N	U		U	2.0	0.31	ug/kg
LT-C-070-0-2-20140226	480-55330-15	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	2.0	0.62	ug/kg
LT-C-070-0-2-20140226	480-55330-15	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	2.0	0.50	ug/kg
LT-C-070-0-2-20140226	480-55330-15	METHOXYCHLOR	3/3/2014			Yes	N	U		U	2.0	0.27	ug/kg
LT-C-070-0-2-20140226	480-55330-15	P,P'-DDD	3/3/2014			Yes	N	U		U	2.0	0.38	ug/kg
LT-C-070-0-2-20140226	480-55330-15	P,P'-DDE	3/3/2014	0.49		Yes	Y	J		J	2.0	0.29	ug/kg
LT-C-070-0-2-20140226	480-55330-15	P,P'-DDT	3/3/2014	0.77		Yes	Y	J		J	2.0	0.20	ug/kg
LT-C-070-0-2-20140226	480-55330-15	TOXAPHENE	3/3/2014			Yes	N	U		U	20	11	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ENDRIN	3/3/2014			Yes	N	U		U	2.0	0.27	ug/kg
LT-C-070-0-2-20140226	480-55330-15	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	2.0	0.24	ug/kg
LT-C-070-2-4-20140226	480-55330-16	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.9	0.49	ug/kg
LT-C-070-2-4-20140226	480-55330-16	DIELDRIN	3/3/2014			Yes	N	U		U	1.9	0.45	ug/kg
LT-C-070-2-4-20140226	480-55330-16	TOXAPHENE	3/3/2014			Yes	N	U		U	19	11	ug/kg
LT-C-070-2-4-20140226	480-55330-16	P,P'-DDT	3/3/2014			Yes	N	U		U	1.9	0.19	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-2-4-20140226	480-55330-16	P,P'-DDE	3/3/2014			Yes	N	U		U	1.9	0.28	ug/kg
LT-C-070-2-4-20140226	480-55330-16	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-070-2-4-20140226	480-55330-16	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.9	0.30	ug/kg
LT-C-070-2-4-20140226	480-55330-16	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.60	ug/kg
LT-C-070-2-4-20140226	480-55330-16	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.9	0.23	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.9	0.47	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.20	ug/kg
LT-C-070-2-4-20140226	480-55330-16	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.25	ug/kg
LT-C-070-2-4-20140226	480-55330-16	P,P'-DDD	3/3/2014			Yes	N	U		U	1.9	0.37	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.94	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ALDRIN	3/3/2014			Yes	N	U		U	1.9	0.47	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ENDRIN	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-070-8-10-20140226	480-55330-17	P,P'-DDT	3/3/2014			Yes	N	U		U	1.9	0.19	ug/kg
LT-C-070-8-10-20140226	480-55330-17	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.9	0.29	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.93	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.23	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.20	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-8-10-20140226	480-55330-17	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-070-8-10-20140226	480-55330-17	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-070-8-10-20140226	480-55330-17	TOXAPHENE	3/3/2014			Yes	N	U		U	19	11	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ALDRIN	3/3/2014			Yes	N	U		U	1.9	0.46	ug/kg
LT-C-070-8-10-20140226	480-55330-17	P,P'-DDE	3/3/2014			Yes	N	U		U	1.9	0.28	ug/kg
LT-C-070-8-10-20140226	480-55330-17	P,P'-DDD	3/3/2014			Yes	N	U		U	1.9	0.36	ug/kg
LT-C-070-8-10-20140226	480-55330-17	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-070-8-10-20140226	480-55330-17	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.25	ug/kg
LT-C-070-8-10-20140226	480-55330-17	DIELDRIN	3/3/2014			Yes	N	U		U	1.9	0.45	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.9	0.35	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ENDRIN	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.48	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.9	0.46	ug/kg
LT-C-070-8-10-20140226	480-55330-17	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.59	ug/kg
LT-C-070-8-10-20140226	480-55330-17	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.9	0.23	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.9	0.36	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ENDRIN	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-071-0-2-20140226	480-55330-21	TOXAPHENE	3/3/2014			Yes	N	U		U	19	11	ug/kg
LT-C-071-0-2-20140226	480-55330-21	P,P'-DDT	3/3/2014			Yes	N	U		U	1.9	0.19	ug/kg
LT-C-071-0-2-20140226	480-55330-21	P,P'-DDE	3/3/2014	0.43		Yes	Y	J		J	1.9	0.29	ug/kg
LT-C-071-0-2-20140226	480-55330-21	P,P'-DDD	3/3/2014			Yes	N	U		U	1.9	0.37	ug/kg
LT-C-071-0-2-20140226	480-55330-21	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-071-0-2-20140226	480-55330-21	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.9	0.49	ug/kg
LT-C-071-0-2-20140226	480-55330-21	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.9	0.30	ug/kg
LT-C-071-0-2-20140226	480-55330-21	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.61	ug/kg

SDG: 480553301

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-0-2-20140226	480-55330-21	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-071-0-2-20140226	480-55330-21	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.25	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.49	ug/kg
LT-C-071-0-2-20140226	480-55330-21	DIELDRIN	3/3/2014			Yes	N	U		U	1.9	0.46	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.21	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.95	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ALDRIN	3/3/2014			Yes	N	U		U	1.9	0.47	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.9	0.47	ug/kg
LT-C-071-2-4-20140226	480-55330-22	P,P'-DDD	3/3/2014			Yes	N	U		U	1.9	0.37	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-071-2-4-20140226	480-55330-22	P,P'-DDT	3/3/2014			Yes	N	U		U	1.9	0.19	ug/kg
LT-C-071-2-4-20140226	480-55330-22	P,P'-DDE	3/3/2014			Yes	N	U		U	1.9	0.29	ug/kg
LT-C-071-2-4-20140226	480-55330-22	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014	0.42		Yes	Y	J		J	1.9	0.25	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ALDRIN	3/3/2014			Yes	N	U		U	1.9	0.47	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.34	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.95	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-071-2-4-20140226	480-55330-22	DIELDRIN	3/3/2014			Yes	N	U		U	1.9	0.46	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.9	0.21	ug/kg
LT-C-071-2-4-20140226	480-55330-22	TOXAPHENE	3/3/2014			Yes	N	U		U	19	11	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-2-4-20140226	480-55330-22	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.9	0.36	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ENDRIN	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.9	0.47	ug/kg
LT-C-071-2-4-20140226	480-55330-22	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.9	0.24	ug/kg
LT-C-071-2-4-20140226	480-55330-22	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.9	0.61	ug/kg
LT-C-071-2-4-20140226	480-55330-22	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.9	0.30	ug/kg
LT-C-071-2-4-20140226	480-55330-22	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.9	0.49	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.9	0.49	ug/kg
LT-C-071-2-4-20140226	480-55330-22	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.9	0.26	ug/kg
LT-C-071-8-10-20140226	480-55330-23	HEPTACHLOR	3/3/2014			Yes	N	U		U	1.8	0.28	ug/kg
LT-C-071-8-10-20140226	480-55330-23	P,P'-DDE	3/3/2014			Yes	N	U		U	1.8	0.27	ug/kg
LT-C-071-8-10-20140226	480-55330-23	TOXAPHENE	3/3/2014			Yes	N	U		U	18	11	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ENDRIN	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ENDRIN ALDEHYDE	3/3/2014			Yes	N	U		U	1.8	0.46	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ENDRIN KETONE	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-071-8-10-20140226	480-55330-23	P,P'-DDD	3/3/2014			Yes	N	U		U	1.8	0.35	ug/kg
LT-C-071-8-10-20140226	480-55330-23	GAMMA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.58	ug/kg
LT-C-071-8-10-20140226	480-55330-23	HEPTACHLOR EPOXIDE	3/3/2014			Yes	N	U		U	1.8	0.47	ug/kg
LT-C-071-8-10-20140226	480-55330-23	METHOXYCHLOR	3/3/2014			Yes	N	U		U	1.8	0.25	ug/kg
LT-C-071-8-10-20140226	480-55330-23	GAMMA BHC (LINDANE)	3/3/2014			Yes	N	U		U	1.8	0.22	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ALDRIN	3/3/2014			Yes	N	U		U	1.8	0.45	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ALPHA CHLORDANE	3/3/2014			Yes	N	U		U	1.8	0.90	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ALPHA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.23	ug/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-8-10-20140226	480-55330-23	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.20	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BETA ENDOSULFAN	3/3/2014			Yes	N	U		U	1.8	0.33	ug/kg
LT-C-071-8-10-20140226	480-55330-23	DIELDRIN	3/3/2014			Yes	N	U		U	1.8	0.44	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ENDOSULFAN SULFATE	3/3/2014			Yes	N	U		U	1.8	0.34	ug/kg
LT-C-071-8-10-20140226	480-55330-23	P,P'-DDT	3/3/2014			Yes	N	U		U	1.8	0.18	ug/kg
LT-C-071-8-10-20140226	480-55330-23	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	3/3/2014			Yes	N	U		U	1.8	0.24	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681171A	4801681171A	BENZALDEHYDE	3/3/2014			Yes	N	U		U	5.0	0.27	ug/l
4801681171A	4801681171A	ISOPHORONE	3/3/2014			Yes	N	U		U	5.0	0.43	ug/l
4801681171A	4801681171A	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l
4801681171A	4801681171A	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
4801681171A	4801681171A	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
4801681171A	4801681171A	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	5.0	0.68	ug/l
4801681171A	4801681171A	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
4801681171A	4801681171A	ATRAZINE	3/3/2014			Yes	N	U		U	5.0	0.46	ug/l
4801681171A	4801681171A	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
4801681171A	4801681171A	NAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.76	ug/l
4801681171A	4801681171A	BENZO(A)PYRENE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l
4801681171A	4801681171A	ACETOPHENONE	3/3/2014			Yes	N	U		U	5.0	0.54	ug/l
4801681171A	4801681171A	ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.28	ug/l
4801681171A	4801681171A	FLUORENE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
4801681171A	4801681171A	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	5.0	0.54	ug/l
4801681171A	4801681171A	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681171A	4801681171A	PHENANTHRENE	3/3/2014			Yes	N	U		U	5.0	0.44	ug/l
4801681171A	4801681171A	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	5.0	0.38	ug/l
4801681171A	4801681171A	PYRENE	3/3/2014			Yes	N	U		U	5.0	0.34	ug/l
4801681171A	4801681171A	NITROBENZENE	3/3/2014			Yes	N	U		U	5.0	0.29	ug/l
4801681171A	4801681171A	BENZO(B)FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.34	ug/l
4801681171A	4801681171A	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
4801681171A	4801681171A	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.48	ug/l
4801681171A	4801681171A	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.73	ug/l
4801681171A	4801681171A	BENZYL BUTYL PHTHALATE	3/3/2014	0.54		Yes	Y	J		J	5.0	0.42	ug/l
4801681171A	4801681171A	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
4801681171A	4801681171A	BIPHENYL (DIPHENYL)	3/3/2014			Yes	N	U		U	5.0	0.65	ug/l
4801681171A	4801681171A	PHENOL	3/3/2014			Yes	N	U		U	5.0	0.39	ug/l
4801681171A	4801681171A	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.53	ug/l
4801681171A	4801681171A	CHRYSENE	3/3/2014			Yes	N	U		U	5.0	0.33	ug/l
4801681171A	4801681171A	CARBAZOLE	3/3/2014			Yes	N	U		U	5.0	0.30	ug/l
4801681171A	4801681171A	CAPROLACTAM	3/3/2014			Yes	N	U		U	5.0	2.2	ug/l
4801681171A	4801681171A	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	1.86		Yes	Y	J		J	5.0	1.8	ug/l
4801681171A	4801681171A	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	5.0	0.52	ug/l
4801681171A	4801681171A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	2-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.42	ug/l
4801681171A	4801681171A	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.42	ug/l
4801681171A	4801681171A	2-METHYLNAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.60	ug/l
4801681171A	4801681171A	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.46	ug/l
4801681171A	4801681171A	ACENAPHTHENE	3/3/2014			Yes	N	U		U	5.0	0.41	ug/l

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681171A	4801681171A	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
4801681171A	4801681171A	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
4801681171A	4801681171A	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	5.0	0.50	ug/l
4801681171A	4801681171A	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
4801681171A	4801681171A	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.61	ug/l
4801681171A	4801681171A	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
4801681171A	4801681171A	4-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.25	ug/l
4801681171A	4801681171A	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	10	0.36	ug/l
4801681171A	4801681171A	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
4801681171A	4801681171A	DIBENZOFURAN	3/3/2014			Yes	N	U		U	10	0.51	ug/l
4801681171A	4801681171A	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
4801681171A	4801681171A	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
4801681171A	4801681171A	4-NITROPHENOL	3/3/2014			Yes	N	U		U	10	1.5	ug/l
4801681171A	4801681171A	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
4801681171A	4801681171A	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
4801681171A	4801681171A	FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l
4801681171A	4801681171A	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	DI-N-BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.31	ug/l
4801681171A	4801681171A	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.22	ug/l
4801681171A	4801681171A	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
4801681171A	4801681171A	3-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.48	ug/l
4801681171A	4801681171A	2-NITROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.48	ug/l
4801684321A	4801684321A	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	170	11	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801684321A	4801684321A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	170	14	ug/kg
4801684321A	4801684321A	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	170	11	ug/kg
4801684321A	4801684321A	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	170	8.7	ug/kg
4801684321A	4801684321A	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	170	45	ug/kg
4801684321A	4801684321A	3-NITROANILINE	3/6/2014			Yes	N	U		U	320	38	ug/kg
4801684321A	4801684321A	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	320	58	ug/kg
4801684321A	4801684321A	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	170	5.1	ug/kg
4801684321A	4801684321A	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	170	41	ug/kg
4801684321A	4801684321A	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	170	8.4	ug/kg
4801684321A	4801684321A	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	170	2.0	ug/kg
4801684321A	4801684321A	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	170	9.0	ug/kg
4801684321A	4801684321A	2-NITROPHENOL	3/6/2014			Yes	N	U		U	170	7.6	ug/kg
4801684321A	4801684321A	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	170	36	ug/kg
4801684321A	4801684321A	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	170	26	ug/kg
4801684321A	4801684321A	ATRAZINE	3/6/2014			Yes	N	U		U	170	7.4	ug/kg
4801684321A	4801684321A	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	320	57	ug/kg
4801684321A	4801684321A	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	170	150	ug/kg
4801684321A	4801684321A	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	170	4.3	ug/kg
4801684321A	4801684321A	ACENAPHTHENE	3/6/2014			Yes	N	U		U	170	1.9	ug/kg
4801684321A	4801684321A	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	170	1.4	ug/kg
4801684321A	4801684321A	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	170	4.0	ug/kg
4801684321A	4801684321A	ANTHRACENE	3/6/2014			Yes	N	U		U	170	4.2	ug/kg
4801684321A	4801684321A	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	170	10	ug/kg
4801684321A	4801684321A	BENZALDEHYDE	3/6/2014			Yes	N	U		U	170	18	ug/kg
4801684321A	4801684321A	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	170	2.9	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801684321A	4801684321A	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	170	3.2	ug/kg
4801684321A	4801684321A	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	170	2.0	ug/kg
4801684321A	4801684321A	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	170	1.8	ug/kg
4801684321A	4801684321A	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	170	45	ug/kg
4801684321A	4801684321A	ACETOPHENONE	3/6/2014			Yes	N	U		U	170	8.5	ug/kg
4801684321A	4801684321A	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	170	17	ug/kg
4801684321A	4801684321A	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	170	5.0	ug/kg
4801684321A	4801684321A	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	170	53	ug/kg
4801684321A	4801684321A	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	170	1.9	ug/kg
4801684321A	4801684321A	CHRYSENE	3/6/2014			Yes	N	U		U	170	1.7	ug/kg
4801684321A	4801684321A	CARBAZOLE	3/6/2014			Yes	N	U		U	170	1.9	ug/kg
4801684321A	4801684321A	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	170	53	ug/kg
4801684321A	4801684321A	DIBENZOFURAN	3/6/2014			Yes	N	U		U	170	1.7	ug/kg
4801684321A	4801684321A	4-NITROPHENOL	3/6/2014			Yes	N	U		U	320	40	ug/kg
4801684321A	4801684321A	4-NITROANILINE	3/6/2014			Yes	N	U		U	320	19	ug/kg
4801684321A	4801684321A	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	320	9.2	ug/kg
4801684321A	4801684321A	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	170	3.5	ug/kg
4801684321A	4801684321A	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	170	49	ug/kg
4801684321A	4801684321A	2-NITROANILINE	3/6/2014			Yes	N	U		U	320	53	ug/kg
4801684321A	4801684321A	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	170	6.8	ug/kg
4801684321A	4801684321A	CAPROLACTAM	3/6/2014			Yes	N	U		U	170	72	ug/kg
4801684321A	4801684321A	NAPHTHALENE	3/6/2014			Yes	N	U		U	170	2.8	ug/kg
4801684321A	4801684321A	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	170	3.9	ug/kg
4801684321A	4801684321A	FLUORANTHENE	3/6/2014			Yes	N	U		U	170	2.4	ug/kg
4801684321A	4801684321A	FLUORENE	3/6/2014			Yes	N	U		U	170	3.8	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801684321A	4801684321A	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	170	8.2	ug/kg
4801684321A	4801684321A	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	170	8.5	ug/kg
4801684321A	4801684321A	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	170	50	ug/kg
4801684321A	4801684321A	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	170	13	ug/kg
4801684321A	4801684321A	ISOPHORONE	3/6/2014			Yes	N	U		U	170	8.3	ug/kg
4801684321A	4801684321A	NITROBENZENE	3/6/2014			Yes	N	U		U	170	7.3	ug/kg
4801684321A	4801684321A	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	170	13	ug/kg
4801684321A	4801684321A	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	170	9.1	ug/kg
4801684321A	4801684321A	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	320	57	ug/kg
4801684321A	4801684321A	PHENANTHRENE	3/6/2014			Yes	N	U		U	170	3.5	ug/kg
4801684321A	4801684321A	PHENOL	3/6/2014			Yes	N	U		U	170	17	ug/kg
4801684321A	4801684321A	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	170	57	ug/kg
4801684321A	4801684321A	PYRENE	3/6/2014			Yes	N	U		U	170	1.1	ug/kg
4801684321A	4801684321A	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	170	4.6	ug/kg
4801685991A	4801685991A	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	170	45	ug/kg
4801685991A	4801685991A	CARBAZOLE	3/6/2014			Yes	N	U		U	170	1.9	ug/kg
4801685991A	4801685991A	CAPROLACTAM	3/6/2014			Yes	N	U		U	170	73	ug/kg
4801685991A	4801685991A	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	170	54	ug/kg
4801685991A	4801685991A	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	170	18	ug/kg
4801685991A	4801685991A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	170	14	ug/kg
4801685991A	4801685991A	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	170	10	ug/kg
4801685991A	4801685991A	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	170	13	ug/kg
4801685991A	4801685991A	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	170	1.8	ug/kg
4801685991A	4801685991A	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	170	2.0	ug/kg
4801685991A	4801685991A	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	170	3.3	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801685991A	4801685991A	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	170	4.0	ug/kg
4801685991A	4801685991A	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	170	2.9	ug/kg
4801685991A	4801685991A	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	170	9.1	ug/kg
4801685991A	4801685991A	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	170	4.6	ug/kg
4801685991A	4801685991A	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	170	51	ug/kg
4801685991A	4801685991A	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	170	8.6	ug/kg
4801685991A	4801685991A	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	170	8.3	ug/kg
4801685991A	4801685991A	FLUORENE	3/6/2014			Yes	N	U		U	170	3.9	ug/kg
4801685991A	4801685991A	BENZALDEHYDE	3/6/2014			Yes	N	U		U	170	18	ug/kg
4801685991A	4801685991A	FLUORANTHENE	3/6/2014			Yes	N	U		U	170	2.4	ug/kg
4801685991A	4801685991A	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	170	49	ug/kg
4801685991A	4801685991A	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	170	3.9	ug/kg
4801685991A	4801685991A	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	170	4.4	ug/kg
4801685991A	4801685991A	DIBENZOFURAN	3/6/2014			Yes	N	U		U	170	1.7	ug/kg
4801685991A	4801685991A	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	170	2.0	ug/kg
4801685991A	4801685991A	CHRYSENE	3/6/2014			Yes	N	U		U	170	1.7	ug/kg
4801685991A	4801685991A	ISOPHORONE	3/6/2014			Yes	N	U		U	170	8.4	ug/kg
4801685991A	4801685991A	3-NITROANILINE	3/6/2014			Yes	N	U		U	330	39	ug/kg
4801685991A	4801685991A	2-NITROPHENOL	3/6/2014			Yes	N	U		U	170	7.7	ug/kg
4801685991A	4801685991A	2-NITROANILINE	3/6/2014			Yes	N	U		U	330	54	ug/kg
4801685991A	4801685991A	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	170	5.2	ug/kg
4801685991A	4801685991A	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	170	2.0	ug/kg
4801685991A	4801685991A	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	170	8.5	ug/kg
4801685991A	4801685991A	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	170	11	ug/kg
4801685991A	4801685991A	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	170	41	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801685991A	4801685991A	2,4-DINITROTOLUENE	3/6/2014		Yes	N	U		U	170	26	ug/kg
4801685991A	4801685991A	2,4-DINITROPHENOL	3/6/2014		Yes	N	U		U	330	59	ug/kg
4801685991A	4801685991A	2,4-DIMETHYLPHENOL	3/6/2014		Yes	N	U		U	170	45	ug/kg
4801685991A	4801685991A	2,4-DICHLOROPHENOL	3/6/2014		Yes	N	U		U	170	8.8	ug/kg
4801685991A	4801685991A	4-METHYLPHENOL (P-CRESOL)	3/6/2014		Yes	N	U		U	330	9.3	ug/kg
4801685991A	4801685991A	2,4,5-TRICHLOROPHENOL	3/6/2014		Yes	N	U		U	170	37	ug/kg
4801685991A	4801685991A	ATRAZINE	3/6/2014		Yes	N	U		U	170	7.5	ug/kg
4801685991A	4801685991A	4,6-DINITRO-2-METHYLPHENOL	3/6/2014		Yes	N	U		U	330	58	ug/kg
4801685991A	4801685991A	4-BROMOPHENYL PHENYL ETHER	3/6/2014		Yes	N	U		U	170	53	ug/kg
4801685991A	4801685991A	4-CHLORO-3-METHYLPHENOL	3/6/2014		Yes	N	U		U	170	6.9	ug/kg
4801685991A	4801685991A	DI-N-BUTYL PHTHALATE	3/6/2014		Yes	N	U		U	170	58	ug/kg
4801685991A	4801685991A	4-CHLOROPHENYL PHENYL ETHER	3/6/2014		Yes	N	U		U	170	3.6	ug/kg
4801685991A	4801685991A	NAPHTHALENE	3/6/2014		Yes	N	U		U	170	2.8	ug/kg
4801685991A	4801685991A	4-NITROANILINE	3/6/2014		Yes	N	U		U	330	19	ug/kg
4801685991A	4801685991A	4-NITROPHENOL	3/6/2014		Yes	N	U		U	330	41	ug/kg
4801685991A	4801685991A	ACENAPHTHENE	3/6/2014		Yes	N	U		U	170	2.0	ug/kg
4801685991A	4801685991A	ACENAPHTHYLENE	3/6/2014		Yes	N	U		U	170	1.4	ug/kg
4801685991A	4801685991A	ACETOPHENONE	3/6/2014		Yes	N	U		U	170	8.6	ug/kg
4801685991A	4801685991A	ANTHRACENE	3/6/2014		Yes	N	U		U	170	4.3	ug/kg
4801685991A	4801685991A	2,4,6-TRICHLOROPHENOL	3/6/2014		Yes	N	U		U	170	11	ug/kg
4801685991A	4801685991A	3,3'-DICHLOROBENZIDINE	3/6/2014		Yes	N	U		U	170	150	ug/kg
4801685991A	4801685991A	N-NITROSODI-N-PROPYLAMINE	3/6/2014		Yes	N	U		U	170	13	ug/kg
4801685991A	4801685991A	N-NITROSODIPHENYLAMINE	3/6/2014		Yes	N	U		U	170	9.2	ug/kg
4801685991A	4801685991A	PENTACHLOROPHENOL	3/6/2014		Yes	N	U		U	330	58	ug/kg
4801685991A	4801685991A	PHENANTHRENE	3/6/2014		Yes	N	U		U	170	3.5	ug/kg

SDG: 480553301

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801685991A	4801685991A	PHENOL	3/6/2014			Yes	N	U		U	170	18	ug/kg
4801685991A	4801685991A	PYRENE	3/6/2014			Yes	N	U		U	170	1.1	ug/kg
4801685991A	4801685991A	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	170	5.1	ug/kg
4801685991A	4801685991A	NITROBENZENE	3/6/2014			Yes	N	U		U	170	7.4	ug/kg
DUP033-20140226	480-55330-11	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
DUP033-20140226	480-55330-11	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	360	10	ug/kg
DUP033-20140226	480-55330-11	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
DUP033-20140226	480-55330-11	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
DUP033-20140226	480-55330-11	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	40	ug/kg
DUP033-20140226	480-55330-11	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
DUP033-20140226	480-55330-11	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	50	ug/kg
DUP033-20140226	480-55330-11	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
DUP033-20140226	480-55330-11	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
DUP033-20140226	480-55330-11	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	45	ug/kg
DUP033-20140226	480-55330-11	3-NITROANILINE	3/6/2014			Yes	N	U		U	360	42	ug/kg
DUP033-20140226	480-55330-11	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
DUP033-20140226	480-55330-11	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
DUP033-20140226	480-55330-11	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	190	5.7	ug/kg
DUP033-20140226	480-55330-11	2-NITROANILINE	3/6/2014			Yes	N	U		U	360	59	ug/kg
DUP033-20140226	480-55330-11	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	160	ug/kg
DUP033-20140226	480-55330-11	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
DUP033-20140226	480-55330-11	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	59	ug/kg
DUP033-20140226	480-55330-11	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.6	ug/kg
DUP033-20140226	480-55330-11	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	54	ug/kg
DUP033-20140226	480-55330-11	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	12	ug/kg

Analytical Method	SW8270D											
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
DUP033-20140226	480-55330-11	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.1	ug/kg
DUP033-20140226	480-55330-11	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.5	ug/kg
DUP033-20140226	480-55330-11	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
DUP033-20140226	480-55330-11	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	64	ug/kg
DUP033-20140226	480-55330-11	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
DUP033-20140226	480-55330-11	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.7	ug/kg
DUP033-20140226	480-55330-11	FLUORENE	3/6/2014			Yes	N	U		U	190	4.2	ug/kg
DUP033-20140226	480-55330-11	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.2	ug/kg
DUP033-20140226	480-55330-11	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
DUP033-20140226	480-55330-11	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
DUP033-20140226	480-55330-11	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	14	ug/kg
DUP033-20140226	480-55330-11	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
DUP033-20140226	480-55330-11	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.2	ug/kg
DUP033-20140226	480-55330-11	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.1	ug/kg
DUP033-20140226	480-55330-11	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.2	ug/kg
DUP033-20140226	480-55330-11	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
DUP033-20140226	480-55330-11	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
DUP033-20140226	480-55330-11	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	360	63	ug/kg
DUP033-20140226	480-55330-11	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
DUP033-20140226	480-55330-11	PHENOL	3/6/2014			Yes	N	U		U	190	19	ug/kg
DUP033-20140226	480-55330-11	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg
DUP033-20140226	480-55330-11	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	56	ug/kg
DUP033-20140226	480-55330-11	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
DUP033-20140226	480-55330-11	4-NITROPHENOL	3/6/2014			Yes	N	U		U	360	45	ug/kg
DUP033-20140226	480-55330-11	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
DUP033-20140226	480-55330-11	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
DUP033-20140226	480-55330-11	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.7	ug/kg
DUP033-20140226	480-55330-11	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.2	ug/kg
DUP033-20140226	480-55330-11	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	20	ug/kg
DUP033-20140226	480-55330-11	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
DUP033-20140226	480-55330-11	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
DUP033-20140226	480-55330-11	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.6	ug/kg
DUP033-20140226	480-55330-11	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
DUP033-20140226	480-55330-11	4-NITROANILINE	3/6/2014			Yes	N	U		U	360	21	ug/kg
DUP033-20140226	480-55330-11	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	49	ug/kg
DUP033-20140226	480-55330-11	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	11	ug/kg
DUP033-20140226	480-55330-11	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
DUP033-20140226	480-55330-11	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
DUP033-20140226	480-55330-11	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	19	ug/kg
DUP033-20140226	480-55330-11	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	59	ug/kg
DUP033-20140226	480-55330-11	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	80	ug/kg
DUP033-20140226	480-55330-11	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
DUP033-20140226	480-55330-11	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.8	ug/kg
DUP033-20140226	480-55330-11	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.6	ug/kg
FB031-20140226	480-55330-24	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	4.9	0.49	ug/l
FB031-20140226	480-55330-24	ACETOPHENONE	3/3/2014			Yes	N	U		U	4.9	0.53	ug/l
FB031-20140226	480-55330-24	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U		U	4.9	0.34	ug/l
FB031-20140226	480-55330-24	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	4.9	0.34	ug/l
FB031-20140226	480-55330-24	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	9.8	0.35	ug/l
FB031-20140226	480-55330-24	4-NITROANILINE	3/3/2014			Yes	N	U		U	9.8	0.24	ug/l

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB031-20140226	480-55330-24	4-NITROPHENOL	3/3/2014			Yes	N	U		U	9.8	1.5	ug/l
FB031-20140226	480-55330-24	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	4.9	0.44	ug/l
FB031-20140226	480-55330-24	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	4.9	0.37	ug/l
FB031-20140226	480-55330-24	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	4.9	0.44	ug/l
FB031-20140226	480-55330-24	ANTHRACENE	3/3/2014			Yes	N	U		U	4.9	0.27	ug/l
FB031-20140226	480-55330-24	ATRAZINE	3/3/2014			Yes	N	U		U	4.9	0.45	ug/l
FB031-20140226	480-55330-24	BENZALDEHYDE	3/3/2014			Yes	N	U		U	4.9	0.26	ug/l
FB031-20140226	480-55330-24	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	4.9	0.35	ug/l
FB031-20140226	480-55330-24	BENZO(A)PYRENE	3/3/2014			Yes	N	U		U	4.9	0.46	ug/l
FB031-20140226	480-55330-24	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	4.9	0.44	ug/l
FB031-20140226	480-55330-24	ACENAPHTHENE	3/3/2014			Yes	N	U		U	4.9	0.40	ug/l
FB031-20140226	480-55330-24	2-METHYLNAPHTHALENE	3/3/2014			Yes	N	U		U	4.9	0.59	ug/l
FB031-20140226	480-55330-24	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	4.9	0.47	ug/l
FB031-20140226	480-55330-24	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	4.9	0.60	ug/l
FB031-20140226	480-55330-24	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	4.9	0.50	ug/l
FB031-20140226	480-55330-24	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	9.8	2.2	ug/l
FB031-20140226	480-55330-24	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	4.9	0.39	ug/l
FB031-20140226	480-55330-24	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	4.9	0.58	ug/l
FB031-20140226	480-55330-24	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	4.9	0.52	ug/l
FB031-20140226	480-55330-24	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U		U	4.9	0.71	ug/l
FB031-20140226	480-55330-24	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	4.9	0.39	ug/l
FB031-20140226	480-55330-24	2-NITROANILINE	3/3/2014			Yes	N	U		U	9.8	0.41	ug/l
FB031-20140226	480-55330-24	2-NITROPHENOL	3/3/2014			Yes	N	U		U	4.9	0.47	ug/l
FB031-20140226	480-55330-24	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U		U	4.9	0.39	ug/l
FB031-20140226	480-55330-24	3-NITROANILINE	3/3/2014			Yes	N	U		U	9.8	0.47	ug/l

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB031-20140226	480-55330-24	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	9.8	2.2	ug/l
FB031-20140226	480-55330-24	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	4.9	0.45	ug/l
FB031-20140226	480-55330-24	NAPHTHALENE	3/3/2014			Yes	N	U		U	4.9	0.74	ug/l
FB031-20140226	480-55330-24	BENZO(B)FLUORANTHENE	3/3/2014			Yes	N	U		U	4.9	0.33	ug/l
FB031-20140226	480-55330-24	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	4.9	0.50	ug/l
FB031-20140226	480-55330-24	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	4.9	0.67	ug/l
FB031-20140226	480-55330-24	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	4.9	0.58	ug/l
FB031-20140226	480-55330-24	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	4.9	0.58	ug/l
FB031-20140226	480-55330-24	FLUORANTHENE	3/3/2014			Yes	N	U		U	4.9	0.39	ug/l
FB031-20140226	480-55330-24	ISOPHORONE	3/3/2014			Yes	N	U		U	4.9	0.42	ug/l
FB031-20140226	480-55330-24	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	4.9	0.46	ug/l
FB031-20140226	480-55330-24	NITROBENZENE	3/3/2014			Yes	N	U		U	4.9	0.28	ug/l
FB031-20140226	480-55330-24	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	4.9	0.53	ug/l
FB031-20140226	480-55330-24	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	4.9	0.50	ug/l
FB031-20140226	480-55330-24	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	9.8	2.2	ug/l
FB031-20140226	480-55330-24	PHENANTHRENE	3/3/2014			Yes	N	U		U	4.9	0.43	ug/l
FB031-20140226	480-55330-24	PHENOL	3/3/2014			Yes	N	U		U	4.9	0.38	ug/l
FB031-20140226	480-55330-24	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U		U	4.9	0.46	ug/l
FB031-20140226	480-55330-24	CARBAZOLE	3/3/2014			Yes	N	U		U	4.9	0.29	ug/l
FB031-20140226	480-55330-24	BENZYL BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	4.9	0.41	ug/l
FB031-20140226	480-55330-24	BIPHENYL (DIPHENYL)	3/3/2014			Yes	N	U		U	4.9	0.64	ug/l
FB031-20140226	480-55330-24	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	4.9	0.34	ug/l
FB031-20140226	480-55330-24	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	4.9	0.39	ug/l
FB031-20140226	480-55330-24	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	4.9	0.51	ug/l
FB031-20140226	480-55330-24	FLUORENE	3/3/2014			Yes	N	U		U	4.9	0.35	ug/l

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB031-20140226	480-55330-24	CAPROLACTAM	3/3/2014			Yes	N	U		U	4.9	2.2	ug/l
FB031-20140226	480-55330-24	PYRENE	3/3/2014			Yes	N	U		U	4.9	0.33	ug/l
FB031-20140226	480-55330-24	CHRYSENE	3/3/2014			Yes	N	U		U	4.9	0.32	ug/l
FB031-20140226	480-55330-24	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U		U	4.9	0.41	ug/l
FB031-20140226	480-55330-24	DIBENZOFURAN	3/3/2014			Yes	N	U		U	9.8	0.50	ug/l
FB031-20140226	480-55330-24	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	4.9	0.22	ug/l
FB031-20140226	480-55330-24	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	4.9	0.35	ug/l
FB031-20140226	480-55330-24	DI-N-BUTYL PHTHALATE	3/3/2014	0.34		Yes	Y	J		J	4.9	0.30	ug/l
FB031-20140226	480-55330-24	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014			Yes	N	U		U	4.9	1.8	ug/l
LT-C-064-0-2-20140226	480-55330-18	4-NITROPHENOL	3/6/2014			Yes	N	U		U	360	45	ug/kg
LT-C-064-0-2-20140226	480-55330-18	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2-NITROANILINE	3/6/2014			Yes	N	U		U	360	59	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	190	5.7	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	45	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	360	65	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	50	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	40	ug/kg
LT-C-064-0-2-20140226	480-55330-18	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.6	ug/kg
LT-C-064-0-2-20140226	480-55330-18	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-0-2-20140226	480-55330-18	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	14	ug/kg
LT-C-064-0-2-20140226	480-55330-18	PHENOL	3/6/2014	230		Yes	Y				190	20	ug/kg
LT-C-064-0-2-20140226	480-55330-18	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-064-0-2-20140226	480-55330-18	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
LT-C-064-0-2-20140226	480-55330-18	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-064-0-2-20140226	480-55330-18	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.1	ug/kg
LT-C-064-0-2-20140226	480-55330-18	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-064-0-2-20140226	480-55330-18	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.1	ug/kg
LT-C-064-0-2-20140226	480-55330-18	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	64	ug/kg
LT-C-064-0-2-20140226	480-55330-18	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	56	ug/kg
LT-C-064-0-2-20140226	480-55330-18	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-064-0-2-20140226	480-55330-18	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.2	ug/kg
LT-C-064-0-2-20140226	480-55330-18	FLUORENE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-064-0-2-20140226	480-55330-18	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.7	ug/kg
LT-C-064-0-2-20140226	480-55330-18	3-NITROANILINE	3/6/2014			Yes	N	U		U	360	43	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.3	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	60	ug/kg
LT-C-064-0-2-20140226	480-55330-18	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.5	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	50	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.6	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	19	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-0-2-20140226	480-55330-18	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	80	ug/kg
LT-C-064-0-2-20140226	480-55330-18	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-064-0-2-20140226	480-55330-18	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-064-0-2-20140226	480-55330-18	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.5	ug/kg
LT-C-064-0-2-20140226	480-55330-18	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-064-0-2-20140226	480-55330-18	4-NITROANILINE	3/6/2014			Yes	N	U		U	360	21	ug/kg
LT-C-064-0-2-20140226	480-55330-18	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-064-0-2-20140226	480-55330-18	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
LT-C-064-0-2-20140226	480-55330-18	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	59	ug/kg
LT-C-064-0-2-20140226	480-55330-18	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.6	ug/kg
LT-C-064-0-2-20140226	480-55330-18	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	54	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-064-0-2-20140226	480-55330-18	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	360	10	ug/kg
LT-C-064-0-2-20140226	480-55330-18	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	160	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.7	ug/kg
LT-C-064-0-2-20140226	480-55330-18	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.3	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-064-0-2-20140226	480-55330-18	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-064-0-2-20140226	480-55330-18	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-064-0-2-20140226	480-55330-18	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.2	ug/kg
LT-C-064-2-4-20140226	480-55330-19	FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.9	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-2-4-20140226	480-55330-19	ISOPHORONE	3/6/2014		Yes	N	U		U	200	10	ug/kg
LT-C-064-2-4-20140226	480-55330-19	CHRYSENE	3/6/2014		Yes	N	U		U	200	2.0	ug/kg
LT-C-064-2-4-20140226	480-55330-19	DIBENZ(A,H)ANTHRACENE	3/6/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-064-2-4-20140226	480-55330-19	DIBENZOFURAN	3/6/2014		Yes	N	U		U	200	2.1	ug/kg
LT-C-064-2-4-20140226	480-55330-19	DIETHYL PHTHALATE	3/6/2014		Yes	N	U		U	200	6.0	ug/kg
LT-C-064-2-4-20140226	480-55330-19	DIMETHYL PHTHALATE	3/6/2014		Yes	N	U		U	200	5.2	ug/kg
LT-C-064-2-4-20140226	480-55330-19	CAPROLACTAM	3/6/2014		Yes	N	U		U	200	86	ug/kg
LT-C-064-2-4-20140226	480-55330-19	DI-N-OCTYLPHTHALATE	3/6/2014		Yes	N	U		U	200	4.7	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014		Yes	N	U		U	200	64	ug/kg
LT-C-064-2-4-20140226	480-55330-19	FLUORENE	3/6/2014		Yes	N	U		U	200	4.6	ug/kg
LT-C-064-2-4-20140226	480-55330-19	HEXACHLOROBUTADIENE	3/6/2014		Yes	N	U		U	200	10	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2,4,6-TRICHLOROPHENOL	3/6/2014		Yes	N	U		U	200	13	ug/kg
LT-C-064-2-4-20140226	480-55330-19	HEXACHLOROETHANE	3/6/2014		Yes	N	U		U	200	15	ug/kg
LT-C-064-2-4-20140226	480-55330-19	INDENO(1,2,3-C,D)PYRENE	3/6/2014		Yes	N	U		U	200	5.5	ug/kg
LT-C-064-2-4-20140226	480-55330-19	DI-N-BUTYL PHTHALATE	3/6/2014		Yes	N	U		U	200	69	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BENZO(G,H,I)PERYLENE	3/6/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ACETOPHENONE	3/6/2014		Yes	N	U		U	200	10	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ANTHRACENE	3/6/2014		Yes	N	U		U	200	5.1	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ATRAZINE	3/6/2014		Yes	N	U		U	200	8.9	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ACENAPHTHYLENE	3/6/2014		Yes	N	U		U	200	1.6	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BENZALDEHYDE	3/6/2014		Yes	N	U		U	200	22	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BENZO(A)ANTHRACENE	3/6/2014		Yes	N	U		U	200	3.4	ug/kg
LT-C-064-2-4-20140226	480-55330-19	CARBAZOLE	3/6/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BENZO(B)FLUORANTHENE	3/6/2014		Yes	N	U		U	200	3.9	ug/kg
LT-C-064-2-4-20140226	480-55330-19	HEXACHLOROCYCLOPENTADIENE	3/6/2014		Yes	N	U		U	200	60	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-2-4-20140226	480-55330-19	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.2	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	200	54	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	200	12	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	200	17	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-064-2-4-20140226	480-55330-19	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	200	4.8	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	200	13	ug/kg
LT-C-064-2-4-20140226	480-55330-19	3-NITROANILINE	3/6/2014			Yes	N	U		U	390	46	ug/kg
LT-C-064-2-4-20140226	480-55330-19	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	200	170	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2-NITROPHENOL	3/6/2014			Yes	N	U		U	200	9.1	ug/kg
LT-C-064-2-4-20140226	480-55330-19	NAPHTHALENE	3/6/2014			Yes	N	U		U	200	3.3	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	200	6.1	ug/kg
LT-C-064-2-4-20140226	480-55330-19	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	390	69	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2-NITROANILINE	3/6/2014			Yes	N	U		U	390	64	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	49	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	31	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	390	70	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	200	54	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	44	ug/kg
LT-C-064-2-4-20140226	480-55330-19	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	200	9.9	ug/kg
LT-C-064-2-4-20140226	480-55330-19	PHENANTHRENE	3/6/2014			Yes	N	U		U	200	4.2	ug/kg
LT-C-064-2-4-20140226	480-55330-19	NITROBENZENE	3/6/2014			Yes	N	U		U	200	8.8	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-2-4-20140226	480-55330-19	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	200	16	ug/kg
LT-C-064-2-4-20140226	480-55330-19	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	200	2.4	ug/kg
LT-C-064-2-4-20140226	480-55330-19	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	390	68	ug/kg
LT-C-064-2-4-20140226	480-55330-19	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	63	ug/kg
LT-C-064-2-4-20140226	480-55330-19	PHENOL	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-064-2-4-20140226	480-55330-19	PYRENE	3/6/2014			Yes	N	U		U	200	1.3	ug/kg
LT-C-064-2-4-20140226	480-55330-19	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	200	8.2	ug/kg
LT-C-064-2-4-20140226	480-55330-19	4-NITROPHENOL	3/6/2014			Yes	N	U		U	390	48	ug/kg
LT-C-064-2-4-20140226	480-55330-19	4-NITROANILINE	3/6/2014			Yes	N	U		U	390	22	ug/kg
LT-C-064-2-4-20140226	480-55330-19	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	390	11	ug/kg
LT-C-064-2-4-20140226	480-55330-19	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	4.3	ug/kg
LT-C-064-2-4-20140226	480-55330-19	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	200	59	ug/kg
LT-C-064-2-4-20140226	480-55330-19	ACENAPHTHENE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-064-2-4-20140226	480-55330-19	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ISOPHORONE	3/6/2014			Yes	N	U		U	180	8.9	ug/kg
LT-C-064-8-10-20140226	480-55330-20	NAPHTHALENE	3/6/2014			Yes	N	U		U	180	3.0	ug/kg
LT-C-064-8-10-20140226	480-55330-20	NITROBENZENE	3/6/2014			Yes	N	U		U	180	7.9	ug/kg
LT-C-064-8-10-20140226	480-55330-20	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	180	14	ug/kg
LT-C-064-8-10-20140226	480-55330-20	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	180	9.7	ug/kg
LT-C-064-8-10-20140226	480-55330-20	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	350	61	ug/kg
LT-C-064-8-10-20140226	480-55330-20	PHENANTHRENE	3/6/2014			Yes	N	U		U	180	3.7	ug/kg
LT-C-064-8-10-20140226	480-55330-20	PYRENE	3/6/2014			Yes	N	U		U	180	1.2	ug/kg
LT-C-064-8-10-20140226	480-55330-20	CARBAZOLE	3/6/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	180	4.9	ug/kg
LT-C-064-8-10-20140226	480-55330-20	PHENOL	3/6/2014			Yes	N	U		U	180	19	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-8-10-20140226	480-55330-20	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	180	5.5	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	180	1.5	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ACENAPHTHENE	3/6/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	4-NITROPHENOL	3/6/2014			Yes	N	U		U	350	43	ug/kg
LT-C-064-8-10-20140226	480-55330-20	4-NITROANILINE	3/6/2014			Yes	N	U		U	350	20	ug/kg
LT-C-064-8-10-20140226	480-55330-20	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	350	9.9	ug/kg
LT-C-064-8-10-20140226	480-55330-20	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	180	3.8	ug/kg
LT-C-064-8-10-20140226	480-55330-20	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	180	52	ug/kg
LT-C-064-8-10-20140226	480-55330-20	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	180	7.3	ug/kg
LT-C-064-8-10-20140226	480-55330-20	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	180	57	ug/kg
LT-C-064-8-10-20140226	480-55330-20	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	350	62	ug/kg
LT-C-064-8-10-20140226	480-55330-20	3-NITROANILINE	3/6/2014			Yes	N	U		U	350	41	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ACETOPHENONE	3/6/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2-NITROPHENOL	3/6/2014			Yes	N	U		U	180	8.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2-NITROANILINE	3/6/2014			Yes	N	U		U	350	57	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	180	12	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	180	44	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	180	28	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	350	62	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	180	48	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	180	9.3	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	180	12	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	180	39	ug/kg
LT-C-064-8-10-20140226	480-55330-20	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	180	14	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-8-10-20140226	480-55330-20	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	180	160	ug/kg
LT-C-064-8-10-20140226	480-55330-20	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	180	5.4	ug/kg
LT-C-064-8-10-20140226	480-55330-20	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	180	54	ug/kg
LT-C-064-8-10-20140226	480-55330-20	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	180	2.2	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ANTHRACENE	3/6/2014			Yes	N	U		U	180	4.6	ug/kg
LT-C-064-8-10-20140226	480-55330-20	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	180	8.8	ug/kg
LT-C-064-8-10-20140226	480-55330-20	FLUORENE	3/6/2014			Yes	N	U		U	180	4.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	FLUORANTHENE	3/6/2014			Yes	N	U		U	180	2.6	ug/kg
LT-C-064-8-10-20140226	480-55330-20	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	180	4.2	ug/kg
LT-C-064-8-10-20140226	480-55330-20	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	180	4.6	ug/kg
LT-C-064-8-10-20140226	480-55330-20	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	180	9.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	DIBENZOFURAN	3/6/2014			Yes	N	U		U	180	1.9	ug/kg
LT-C-064-8-10-20140226	480-55330-20	CHRYSENE	3/6/2014			Yes	N	U		U	180	1.8	ug/kg
LT-C-064-8-10-20140226	480-55330-20	CAPROLACTAM	3/6/2014			Yes	N	U		U	180	77	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	180	2.0	ug/kg
LT-C-064-8-10-20140226	480-55330-20	ATRAZINE	3/6/2014			Yes	N	U		U	180	7.9	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BENZALDEHYDE	3/6/2014			Yes	N	U		U	180	20	ug/kg
LT-C-064-8-10-20140226	480-55330-20	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	180	62	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	180	57	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	180	4.3	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	180	2.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	180	3.1	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	180	48	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	180	11	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-064-8-10-20140226	480-55330-20	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	180	9.7	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	180	15	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	180	19	ug/kg
LT-C-064-8-10-20140226	480-55330-20	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	180	3.5	ug/kg
LT-C-065-0-2-20140226	480-55330-1	PHENANTHRENE	3/6/2014	15		Yes	Y	J		J	190	3.9	ug/kg
LT-C-065-0-2-20140226	480-55330-1	PYRENE	3/6/2014	40		Yes	Y	J		J	190	1.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-065-0-2-20140226	480-55330-1	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
LT-C-065-0-2-20140226	480-55330-1	CHRYSENE	3/6/2014	28		Yes	Y	J		J	190	1.9	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	60	ug/kg
LT-C-065-0-2-20140226	480-55330-1	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	81	ug/kg
LT-C-065-0-2-20140226	480-55330-1	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	19	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	50	ug/kg
LT-C-065-0-2-20140226	480-55330-1	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.6	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-065-0-2-20140226	480-55330-1	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U	UJ	UJ	190	56	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.8	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-0-2-20140226	480-55330-1	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.6	ug/kg
LT-C-065-0-2-20140226	480-55330-1	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-065-0-2-20140226	480-55330-1	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.3	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.3	ug/kg
LT-C-065-0-2-20140226	480-55330-1	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.1	ug/kg
LT-C-065-0-2-20140226	480-55330-1	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	14	ug/kg
LT-C-065-0-2-20140226	480-55330-1	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg
LT-C-065-0-2-20140226	480-55330-1	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-065-0-2-20140226	480-55330-1	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.3	ug/kg
LT-C-065-0-2-20140226	480-55330-1	FLUORENE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-065-0-2-20140226	480-55330-1	FLUORANTHENE	3/6/2014	31		Yes	Y	J		J	190	2.7	ug/kg
LT-C-065-0-2-20140226	480-55330-1	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-065-0-2-20140226	480-55330-1	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	64	ug/kg
LT-C-065-0-2-20140226	480-55330-1	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	59	ug/kg
LT-C-065-0-2-20140226	480-55330-1	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	41	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	50	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	46	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2-METHYLPHENOL (O-CRESOL)	3/6/2014	33		Yes	Y	J		J	190	5.7	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-0-2-20140226	480-55330-1	2-NITROANILINE	3/6/2014			Yes	N	U		U	360	60	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.5	ug/kg
LT-C-065-0-2-20140226	480-55330-1	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	160	ug/kg
LT-C-065-0-2-20140226	480-55330-1	2,4-DINITROPHENOL	3/6/2014			Yes	N	U	UJ	UJ	360	65	ug/kg
LT-C-065-0-2-20140226	480-55330-1	4-NITROPHENOL	3/6/2014			Yes	N	U		U	360	45	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BENZO(A)ANTHRACENE	3/6/2014	27		Yes	Y	J		J	190	3.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.3	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-065-0-2-20140226	480-55330-1	3-NITROANILINE	3/6/2014			Yes	N	U		U	360	43	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-0-2-20140226	480-55330-1	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
LT-C-065-0-2-20140226	480-55330-1	4-NITROANILINE	3/6/2014			Yes	N	U		U	360	21	ug/kg
LT-C-065-0-2-20140226	480-55330-1	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	360	10	ug/kg
LT-C-065-0-2-20140226	480-55330-1	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-065-0-2-20140226	480-55330-1	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	55	ug/kg
LT-C-065-0-2-20140226	480-55330-1	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.7	ug/kg
LT-C-065-0-2-20140226	480-55330-1	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-065-0-2-20140226	480-55330-1	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.5	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-065-4-6-20140226	480-55330-2	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-4-6-20140226	480-55330-2	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	82	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014	98		Yes	Y	J		J	190	61	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-4-6-20140226	480-55330-2	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-065-4-6-20140226	480-55330-2	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	370	11	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-065-4-6-20140226	480-55330-2	CHRYSENE	3/6/2014	36		Yes	Y	J		J	190	1.9	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BENZO(K)FLUORANTHENE	3/6/2014	23		Yes	Y	J		J	190	2.1	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-065-4-6-20140226	480-55330-2	4-NITROANILINE	3/6/2014			Yes	N	U		U	370	21	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BENZO(B)FLUORANTHENE	3/6/2014	43		Yes	Y	J		J	190	3.7	ug/kg
LT-C-065-4-6-20140226	480-55330-2	4-NITROPHENOL	3/6/2014			Yes	N	U		U	370	46	ug/kg
LT-C-065-4-6-20140226	480-55330-2	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.8	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-065-4-6-20140226	480-55330-2	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	58	ug/kg
LT-C-065-4-6-20140226	480-55330-2	PYRENE	3/6/2014	50		Yes	Y	J		J	190	1.2	ug/kg
LT-C-065-4-6-20140226	480-55330-2	PHENANTHRENE	3/6/2014	13		Yes	Y	J		J	190	4.0	ug/kg
LT-C-065-4-6-20140226	480-55330-2	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
LT-C-065-4-6-20140226	480-55330-2	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-065-4-6-20140226	480-55330-2	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-065-4-6-20140226	480-55330-2	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
LT-C-065-4-6-20140226	480-55330-2	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-065-4-6-20140226	480-55330-2	FLUORENE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-065-4-6-20140226	480-55330-2	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-065-4-6-20140226	480-55330-2	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-4-6-20140226	480-55330-2	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.8	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-4-6-20140226	480-55330-2	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-065-4-6-20140226	480-55330-2	FLUORANTHENE	3/6/2014	39		Yes	Y	J		J	190	2.8	ug/kg
LT-C-065-4-6-20140226	480-55330-2	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-065-4-6-20140226	480-55330-2	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	66	ug/kg
LT-C-065-4-6-20140226	480-55330-2	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.0	ug/kg
LT-C-065-4-6-20140226	480-55330-2	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.8	ug/kg
LT-C-065-4-6-20140226	480-55330-2	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-065-4-6-20140226	480-55330-2	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.3	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	47	ug/kg
LT-C-065-4-6-20140226	480-55330-2	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	56	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	370	67	ug/kg
LT-C-065-4-6-20140226	480-55330-2	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.1	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2-METHYLPHENOL (O-CRESOL)	3/6/2014	31		Yes	Y	J		J	190	5.9	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	30	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	42	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BENZO(A)PYRENE	3/6/2014	23		Yes	Y	J		J	190	4.6	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BENZO(A)ANTHRACENE	3/6/2014	25		Yes	Y	J		J	190	3.3	ug/kg
LT-C-065-4-6-20140226	480-55330-2	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	21	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.5	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-4-6-20140226	480-55330-2	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.8	ug/kg
LT-C-065-4-6-20140226	480-55330-2	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2-NITROANILINE	3/6/2014			Yes	N	U		U	370	61	ug/kg
LT-C-065-4-6-20140226	480-55330-2	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.7	ug/kg
LT-C-065-4-6-20140226	480-55330-2	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	170	ug/kg
LT-C-065-4-6-20140226	480-55330-2	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	61	ug/kg
LT-C-065-4-6-20140226	480-55330-2	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	370	66	ug/kg
LT-C-065-4-6-20140226	480-55330-2	3-NITROANILINE	3/6/2014			Yes	N	U		U	370	44	ug/kg
LT-C-065-4-6-20140226	480-55330-2	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.6	ug/kg
LT-C-065-6-8-20140226	480-55330-3	3-NITROANILINE	3/6/2014			Yes	N	U		U	360	43	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	40	ug/kg
LT-C-065-6-8-20140226	480-55330-3	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	360	10	ug/kg
LT-C-065-6-8-20140226	480-55330-3	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-065-6-8-20140226	480-55330-3	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	54	ug/kg
LT-C-065-6-8-20140226	480-55330-3	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.6	ug/kg
LT-C-065-6-8-20140226	480-55330-3	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
LT-C-065-6-8-20140226	480-55330-3	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	160	ug/kg
LT-C-065-6-8-20140226	480-55330-3	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	59	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	360	65	ug/kg
LT-C-065-6-8-20140226	480-55330-3	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	45	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-6-8-20140226	480-55330-3	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2-METHYLPHENOL (O-CRESOL)	3/6/2014	35		Yes	Y	J		J	190	5.7	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2-NITROANILINE	3/6/2014			Yes	N	U		U	360	60	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.5	ug/kg
LT-C-065-6-8-20140226	480-55330-3	4-NITROANILINE	3/6/2014			Yes	N	U		U	360	21	ug/kg
LT-C-065-6-8-20140226	480-55330-3	4-NITROPHENOL	3/6/2014			Yes	N	U		U	360	45	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.5	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-065-6-8-20140226	480-55330-3	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	50	ug/kg
LT-C-065-6-8-20140226	480-55330-3	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.1	ug/kg
LT-C-065-6-8-20140226	480-55330-3	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-065-6-8-20140226	480-55330-3	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.7	ug/kg
LT-C-065-6-8-20140226	480-55330-3	FLUORENE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-065-6-8-20140226	480-55330-3	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.2	ug/kg
LT-C-065-6-8-20140226	480-55330-3	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-065-6-8-20140226	480-55330-3	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	56	ug/kg
LT-C-065-6-8-20140226	480-55330-3	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	14	ug/kg
LT-C-065-6-8-20140226	480-55330-3	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	64	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.3	ug/kg
LT-C-065-6-8-20140226	480-55330-3	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
LT-C-065-6-8-20140226	480-55330-3	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.2	ug/kg
LT-C-065-6-8-20140226	480-55330-3	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-065-6-8-20140226	480-55330-3	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-065-6-8-20140226	480-55330-3	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-065-6-8-20140226	480-55330-3	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	60	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-065-6-8-20140226	480-55330-3	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.1	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-065-6-8-20140226	480-55330-3	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-065-6-8-20140226	480-55330-3	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-065-6-8-20140226	480-55330-3	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.3	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.6	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	50	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-065-6-8-20140226	480-55330-3	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-065-6-8-20140226	480-55330-3	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-065-6-8-20140226	480-55330-3	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.6	ug/kg
LT-C-065-6-8-20140226	480-55330-3	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-065-6-8-20140226	480-55330-3	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	80	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	19	ug/kg
LT-C-065-6-8-20140226	480-55330-3	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-0-2-20140226	480-55330-4	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2-METHYLPHENOL (O-CRESOL)	3/6/2014	31		Yes	Y	J		J	190	6.0	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	47	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	30	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	380	68	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	42	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2-NITROANILINE	3/6/2014			Yes	N	U		U	380	62	ug/kg
LT-C-066-0-2-20140226	480-55330-4	4-NITROANILINE	3/6/2014			Yes	N	U		U	380	22	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	21	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.3	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	52	ug/kg
LT-C-066-0-2-20140226	480-55330-4	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	380	11	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.6	ug/kg
LT-C-066-0-2-20140226	480-55330-4	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.7	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ANTHRACENE	3/6/2014			Yes	N	U		U	190	5.0	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.6	ug/kg
LT-C-066-0-2-20140226	480-55330-4	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.1	ug/kg
LT-C-066-0-2-20140226	480-55330-4	4-NITROPHENOL	3/6/2014			Yes	N	U		U	380	47	ug/kg
LT-C-066-0-2-20140226	480-55330-4	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.9	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-0-2-20140226	480-55330-4	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	57	ug/kg
LT-C-066-0-2-20140226	480-55330-4	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	8.0	ug/kg
LT-C-066-0-2-20140226	480-55330-4	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	62	ug/kg
LT-C-066-0-2-20140226	480-55330-4	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	380	67	ug/kg
LT-C-066-0-2-20140226	480-55330-4	3-NITROANILINE	3/6/2014			Yes	N	U		U	380	45	ug/kg
LT-C-066-0-2-20140226	480-55330-4	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	170	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-066-0-2-20140226	480-55330-4	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.1	ug/kg
LT-C-066-0-2-20140226	480-55330-4	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	380	66	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	62	ug/kg
LT-C-066-0-2-20140226	480-55330-4	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	84	ug/kg
LT-C-066-0-2-20140226	480-55330-4	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.8	ug/kg
LT-C-066-0-2-20140226	480-55330-4	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	11	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014	76		Yes	Y	J		J	190	17	ug/kg
LT-C-066-0-2-20140226	480-55330-4	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.8	ug/kg
LT-C-066-0-2-20140226	480-55330-4	FLUORENE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-066-0-2-20140226	480-55330-4	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	67	ug/kg
LT-C-066-0-2-20140226	480-55330-4	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-066-0-2-20140226	480-55330-4	FLUORANTHENE	3/6/2014	17		Yes	Y	J		J	190	2.8	ug/kg
LT-C-066-0-2-20140226	480-55330-4	PYRENE	3/6/2014	17		Yes	Y	J		J	190	1.3	ug/kg
LT-C-066-0-2-20140226	480-55330-4	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-066-0-2-20140226	480-55330-4	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	4.1	ug/kg
LT-C-066-0-2-20140226	480-55330-4	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-066-0-2-20140226	480-55330-4	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.4	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-0-2-20140226	480-55330-4	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	52	ug/kg
LT-C-066-0-2-20140226	480-55330-4	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-066-0-2-20140226	480-55330-4	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.6	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-066-0-2-20140226	480-55330-4	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-066-0-2-20140226	480-55330-4	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-066-0-2-20140226	480-55330-4	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-066-0-2-20140226	480-55330-4	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	59	ug/kg
LT-C-066-0-2-20140226	480-55330-4	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-066-0-2-20140226	480-55330-4	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-066-0-2-20140226	480-55330-4	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	11	ug/kg
LT-C-066-0-2-20140226	480-55330-4	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2-NITROANILINE	3/6/2014			Yes	N	U		U	370	61	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.7	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2-METHYLPHENOL (O-CRESOL)	3/6/2014	30		Yes	Y	J		J	190	5.8	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	46	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	370	66	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	51	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-4-6-20140226	480-55330-5	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-066-4-6-20140226	480-55330-5	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	41	ug/kg
LT-C-066-4-6-20140226	480-55330-5	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-066-4-6-20140226	480-55330-5	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-066-4-6-20140226	480-55330-5	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.8	ug/kg
LT-C-066-4-6-20140226	480-55330-5	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-066-4-6-20140226	480-55330-5	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-066-4-6-20140226	480-55330-5	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.7	ug/kg
LT-C-066-4-6-20140226	480-55330-5	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg
LT-C-066-4-6-20140226	480-55330-5	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	65	ug/kg
LT-C-066-4-6-20140226	480-55330-5	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-066-4-6-20140226	480-55330-5	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.7	ug/kg
LT-C-066-4-6-20140226	480-55330-5	FLUORENE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-066-4-6-20140226	480-55330-5	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-066-4-6-20140226	480-55330-5	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-066-4-6-20140226	480-55330-5	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	57	ug/kg
LT-C-066-4-6-20140226	480-55330-5	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	82	ug/kg
LT-C-066-4-6-20140226	480-55330-5	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.2	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-066-4-6-20140226	480-55330-5	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-066-4-6-20140226	480-55330-5	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
LT-C-066-4-6-20140226	480-55330-5	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-066-4-6-20140226	480-55330-5	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-066-4-6-20140226	480-55330-5	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-4-6-20140226	480-55330-5	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-066-4-6-20140226	480-55330-5	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-066-4-6-20140226	480-55330-5	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg
LT-C-066-4-6-20140226	480-55330-5	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	21	ug/kg
LT-C-066-4-6-20140226	480-55330-5	3-NITROANILINE	3/6/2014			Yes	N	U		U	370	44	ug/kg
LT-C-066-4-6-20140226	480-55330-5	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
LT-C-066-4-6-20140226	480-55330-5	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	60	ug/kg
LT-C-066-4-6-20140226	480-55330-5	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	56	ug/kg
LT-C-066-4-6-20140226	480-55330-5	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	370	11	ug/kg
LT-C-066-4-6-20140226	480-55330-5	4-NITROANILINE	3/6/2014			Yes	N	U		U	370	21	ug/kg
LT-C-066-4-6-20140226	480-55330-5	4-NITROPHENOL	3/6/2014			Yes	N	U		U	370	46	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.5	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-066-4-6-20140226	480-55330-5	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
LT-C-066-4-6-20140226	480-55330-5	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	170	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.3	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.6	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.7	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-4-6-20140226	480-55330-5	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-066-4-6-20140226	480-55330-5	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	61	ug/kg
LT-C-066-4-6-20140226	480-55330-5	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-066-6-8-20140226	480-55330-6	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.7	ug/kg
LT-C-066-6-8-20140226	480-55330-6	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	57	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2-NITROANILINE	3/6/2014			Yes	N	U		U	370	61	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2-METHYLPHENOL (O-CRESOL)	3/6/2014	36		Yes	Y	J		J	190	5.8	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	46	ug/kg
LT-C-066-6-8-20140226	480-55330-6	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-066-6-8-20140226	480-55330-6	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.7	ug/kg
LT-C-066-6-8-20140226	480-55330-6	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg
LT-C-066-6-8-20140226	480-55330-6	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	66	ug/kg
LT-C-066-6-8-20140226	480-55330-6	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-066-6-8-20140226	480-55330-6	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-066-6-8-20140226	480-55330-6	3-NITROANILINE	3/6/2014			Yes	N	U		U	370	44	ug/kg
LT-C-066-6-8-20140226	480-55330-6	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-066-6-8-20140226	480-55330-6	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.2	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-6-8-20140226	480-55330-6	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-066-6-8-20140226	480-55330-6	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
LT-C-066-6-8-20140226	480-55330-6	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-066-6-8-20140226	480-55330-6	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-066-6-8-20140226	480-55330-6	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
LT-C-066-6-8-20140226	480-55330-6	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-066-6-8-20140226	480-55330-6	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	370	66	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-066-6-8-20140226	480-55330-6	FLUORENE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
LT-C-066-6-8-20140226	480-55330-6	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-066-6-8-20140226	480-55330-6	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-066-6-8-20140226	480-55330-6	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-066-6-8-20140226	480-55330-6	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-066-6-8-20140226	480-55330-6	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	82	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	61	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.7	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.6	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-066-6-8-20140226	480-55330-6	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.7	ug/kg
LT-C-066-6-8-20140226	480-55330-6	4-NITROANILINE	3/6/2014			Yes	N	U		U	370	21	ug/kg
LT-C-066-6-8-20140226	480-55330-6	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg
LT-C-066-6-8-20140226	480-55330-6	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
LT-C-066-6-8-20140226	480-55330-6	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	60	ug/kg
LT-C-066-6-8-20140226	480-55330-6	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.8	ug/kg
LT-C-066-6-8-20140226	480-55330-6	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	56	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.3	ug/kg
LT-C-066-6-8-20140226	480-55330-6	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	370	11	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	21	ug/kg
LT-C-066-6-8-20140226	480-55330-6	4-NITROPHENOL	3/6/2014			Yes	N	U		U	370	46	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.6	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-066-6-8-20140226	480-55330-6	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg
LT-C-066-6-8-20140226	480-55330-6	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	170	ug/kg
LT-C-066-6-8-20140226	480-55330-6	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-066-6-8-20140226	480-55330-6	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-066-6-8-20140226	480-55330-6	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	41	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	43	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ACETOPHENONE	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ANTHRACENE	3/6/2014			Yes	N	U		U	200	5.1	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ATRAZINE	3/6/2014			Yes	N	U		U	200	8.8	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BENZALDEHYDE	3/6/2014			Yes	N	U		U	200	22	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-0-2-20140226	480-55330-7	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	200	3.4	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	200	4.8	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	200	3.8	ug/kg
LT-C-067-0-2-20140226	480-55330-7	CAPROLACTAM	3/6/2014			Yes	N	U		U	200	86	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.2	ug/kg
LT-C-067-0-2-20140226	480-55330-7	4-NITROPHENOL	3/6/2014			Yes	N	U		U	390	48	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	200	12	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	200	17	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	200	64	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	200	2.4	ug/kg
LT-C-067-0-2-20140226	480-55330-7	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	63	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	200	2.4	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2-METHYLPHENOL (O-CRESOL)	3/6/2014	32		Yes	Y	J		J	200	6.1	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2-NITROANILINE	3/6/2014			Yes	N	U		U	390	64	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2-NITROPHENOL	3/6/2014			Yes	N	U		U	200	9.1	ug/kg
LT-C-067-0-2-20140226	480-55330-7	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	200	170	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	200	1.6	ug/kg
LT-C-067-0-2-20140226	480-55330-7	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	390	68	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ACENAPHTHENE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-067-0-2-20140226	480-55330-7	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	200	8.2	ug/kg
LT-C-067-0-2-20140226	480-55330-7	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	200	58	ug/kg
LT-C-067-0-2-20140226	480-55330-7	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	4.2	ug/kg
LT-C-067-0-2-20140226	480-55330-7	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	390	11	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-0-2-20140226	480-55330-7	4-NITROANILINE	3/6/2014			Yes	N	U		U	390	22	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-067-0-2-20140226	480-55330-7	3-NITROANILINE	3/6/2014			Yes	N	U		U	390	46	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	13	ug/kg
LT-C-067-0-2-20140226	480-55330-7	NITROBENZENE	3/6/2014			Yes	N	U		U	200	8.8	ug/kg
LT-C-067-0-2-20140226	480-55330-7	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	200	16	ug/kg
LT-C-067-0-2-20140226	480-55330-7	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-067-0-2-20140226	480-55330-7	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	390	68	ug/kg
LT-C-067-0-2-20140226	480-55330-7	CARBAZOLE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-067-0-2-20140226	480-55330-7	NAPHTHALENE	3/6/2014			Yes	N	U		U	200	3.3	ug/kg
LT-C-067-0-2-20140226	480-55330-7	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	200	53	ug/kg
LT-C-067-0-2-20140226	480-55330-7	PHENANTHRENE	3/6/2014			Yes	N	U		U	200	4.2	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	200	54	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	390	69	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	31	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	48	ug/kg
LT-C-067-0-2-20140226	480-55330-7	PYRENE	3/6/2014			Yes	N	U		U	200	1.3	ug/kg
LT-C-067-0-2-20140226	480-55330-7	PHENOL	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-067-0-2-20140226	480-55330-7	DIBENZOFURAN	3/6/2014			Yes	N	U		U	200	2.1	ug/kg
LT-C-067-0-2-20140226	480-55330-7	CHRYSENE	3/6/2014			Yes	N	U		U	200	2.0	ug/kg
LT-C-067-0-2-20140226	480-55330-7	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-067-0-2-20140226	480-55330-7	ISOPHORONE	3/6/2014			Yes	N	U		U	200	9.9	ug/kg
LT-C-067-0-2-20140226	480-55330-7	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	200	6.0	ug/kg
LT-C-067-0-2-20140226	480-55330-7	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	200	5.2	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-0-2-20140226	480-55330-7	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	200	68	ug/kg
LT-C-067-0-2-20140226	480-55330-7	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	200	4.6	ug/kg
LT-C-067-0-2-20140226	480-55330-7	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	200	5.5	ug/kg
LT-C-067-0-2-20140226	480-55330-7	FLUORENE	3/6/2014			Yes	N	U		U	200	4.6	ug/kg
LT-C-067-0-2-20140226	480-55330-7	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	200	9.8	ug/kg
LT-C-067-0-2-20140226	480-55330-7	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	200	13	ug/kg
LT-C-067-0-2-20140226	480-55330-7	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-067-0-2-20140226	480-55330-7	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	200	60	ug/kg
LT-C-067-0-2-20140226	480-55330-7	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	200	15	ug/kg
LT-C-067-0-2-20140226	480-55330-7	FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.9	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2-NITROPHENOL	3/6/2014			Yes	N	U		U	200	9.0	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2-NITROANILINE	3/6/2014			Yes	N	U		U	390	63	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2-METHYLPHENOL (O-CRESOL)	3/6/2014	36		Yes	Y	J		J	200	6.1	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	200	2.4	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	200	13	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	48	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	31	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	390	69	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	43	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	13	ug/kg
LT-C-067-4-6-20140226	480-55330-8	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	200	170	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BENZALDEHYDE	3/6/2014			Yes	N	U		U	200	22	ug/kg
LT-C-067-4-6-20140226	480-55330-8	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	200	53	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-4-6-20140226	480-55330-8	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	200	15	ug/kg
LT-C-067-4-6-20140226	480-55330-8	CHRYSENE	3/6/2014			Yes	N	U		U	200	2.0	ug/kg
LT-C-067-4-6-20140226	480-55330-8	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-067-4-6-20140226	480-55330-8	DIBENZOFURAN	3/6/2014			Yes	N	U		U	200	2.1	ug/kg
LT-C-067-4-6-20140226	480-55330-8	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	200	6.0	ug/kg
LT-C-067-4-6-20140226	480-55330-8	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	200	5.1	ug/kg
LT-C-067-4-6-20140226	480-55330-8	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	200	68	ug/kg
LT-C-067-4-6-20140226	480-55330-8	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	200	4.6	ug/kg
LT-C-067-4-6-20140226	480-55330-8	FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.9	ug/kg
LT-C-067-4-6-20140226	480-55330-8	FLUORENE	3/6/2014			Yes	N	U		U	200	4.5	ug/kg
LT-C-067-4-6-20140226	480-55330-8	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	200	9.8	ug/kg
LT-C-067-4-6-20140226	480-55330-8	CARBAZOLE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-067-4-6-20140226	480-55330-8	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	200	60	ug/kg
LT-C-067-4-6-20140226	480-55330-8	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	200	5.5	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ISOPHORONE	3/6/2014			Yes	N	U		U	200	9.9	ug/kg
LT-C-067-4-6-20140226	480-55330-8	NITROBENZENE	3/6/2014			Yes	N	U		U	200	8.7	ug/kg
LT-C-067-4-6-20140226	480-55330-8	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	200	16	ug/kg
LT-C-067-4-6-20140226	480-55330-8	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-067-4-6-20140226	480-55330-8	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	390	68	ug/kg
LT-C-067-4-6-20140226	480-55330-8	PHENANTHRENE	3/6/2014			Yes	N	U		U	200	4.1	ug/kg
LT-C-067-4-6-20140226	480-55330-8	PHENOL	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-067-4-6-20140226	480-55330-8	PYRENE	3/6/2014			Yes	N	U		U	200	1.3	ug/kg
LT-C-067-4-6-20140226	480-55330-8	3-NITROANILINE	3/6/2014			Yes	N	U		U	390	45	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ANTHRACENE	3/6/2014			Yes	N	U		U	200	5.1	ug/kg
LT-C-067-4-6-20140226	480-55330-8	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	200	10	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-4-6-20140226	480-55330-8	4-NITROPHENOL	3/6/2014			Yes	N	U		U	390	48	ug/kg
LT-C-067-4-6-20140226	480-55330-8	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	390	68	ug/kg
LT-C-067-4-6-20140226	480-55330-8	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	63	ug/kg
LT-C-067-4-6-20140226	480-55330-8	NAPHTHALENE	3/6/2014			Yes	N	U		U	200	3.3	ug/kg
LT-C-067-4-6-20140226	480-55330-8	CAPROLACTAM	3/6/2014			Yes	N	U		U	200	85	ug/kg
LT-C-067-4-6-20140226	480-55330-8	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	200	8.1	ug/kg
LT-C-067-4-6-20140226	480-55330-8	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	200	58	ug/kg
LT-C-067-4-6-20140226	480-55330-8	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	4.2	ug/kg
LT-C-067-4-6-20140226	480-55330-8	4-NITROANILINE	3/6/2014			Yes	N	U		U	390	22	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ACENAPHTHENE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	200	1.6	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ACETOPHENONE	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-067-4-6-20140226	480-55330-8	ATRAZINE	3/6/2014			Yes	N	U		U	200	8.8	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.2	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-067-4-6-20140226	480-55330-8	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	390	11	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014	140		Yes	Y	J		J	200	64	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	200	12	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	200	17	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	200	53	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	200	2.4	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	200	3.8	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	200	4.8	ug/kg
LT-C-067-4-6-20140226	480-55330-8	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	200	3.4	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-6-8-20140226	480-55330-9	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	21	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.5	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-067-6-8-20140226	480-55330-9	4-NITROANILINE	3/6/2014			Yes	N	U		U	370	21	ug/kg
LT-C-067-6-8-20140226	480-55330-9	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.7	ug/kg
LT-C-067-6-8-20140226	480-55330-9	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	370	10	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.7	ug/kg
LT-C-067-6-8-20140226	480-55330-9	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-067-6-8-20140226	480-55330-9	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-067-6-8-20140226	480-55330-9	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	55	ug/kg
LT-C-067-6-8-20140226	480-55330-9	4-NITROPHENOL	3/6/2014			Yes	N	U		U	370	46	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	61	ug/kg
LT-C-067-6-8-20140226	480-55330-9	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	65	ug/kg
LT-C-067-6-8-20140226	480-55330-9	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.3	ug/kg
LT-C-067-6-8-20140226	480-55330-9	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	60	ug/kg
LT-C-067-6-8-20140226	480-55330-9	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg
LT-C-067-6-8-20140226	480-55330-9	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.7	ug/kg
LT-C-067-6-8-20140226	480-55330-9	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-067-6-8-20140226	480-55330-9	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-067-6-8-20140226	480-55330-9	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	81	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-6-8-20140226	480-55330-9	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-067-6-8-20140226	480-55330-9	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-067-6-8-20140226	480-55330-9	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-067-6-8-20140226	480-55330-9	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-067-6-8-20140226	480-55330-9	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-067-6-8-20140226	480-55330-9	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.3	ug/kg
LT-C-067-6-8-20140226	480-55330-9	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-067-6-8-20140226	480-55330-9	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	57	ug/kg
LT-C-067-6-8-20140226	480-55330-9	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-067-6-8-20140226	480-55330-9	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.7	ug/kg
LT-C-067-6-8-20140226	480-55330-9	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.1	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	41	ug/kg
LT-C-067-6-8-20140226	480-55330-9	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-067-6-8-20140226	480-55330-9	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
LT-C-067-6-8-20140226	480-55330-9	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-067-6-8-20140226	480-55330-9	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-067-6-8-20140226	480-55330-9	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg
LT-C-067-6-8-20140226	480-55330-9	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-067-6-8-20140226	480-55330-9	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.2	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-067-6-8-20140226	480-55330-9	3-NITROANILINE	3/6/2014			Yes	N	U		U	370	43	ug/kg
LT-C-067-6-8-20140226	480-55330-9	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	160	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.6	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2-NITROANILINE	3/6/2014			Yes	N	U		U	370	60	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2-METHYLPHENOL (O-CRESOL)	3/6/2014	29		Yes	Y	J		J	190	5.8	ug/kg
LT-C-067-6-8-20140226	480-55330-9	FLUORENE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-067-6-8-20140226	480-55330-9	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	46	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	370	66	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-067-6-8-20140226	480-55330-9	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-068-0-2-20140226	480-55330-12	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	210	4.4	ug/kg
LT-C-068-0-2-20140226	480-55330-12	CARBAZOLE	3/6/2014			Yes	N	U		U	210	2.4	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	210	55	ug/kg
LT-C-068-0-2-20140226	480-55330-12	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	210	71	ug/kg
LT-C-068-0-2-20140226	480-55330-12	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	210	5.4	ug/kg
LT-C-068-0-2-20140226	480-55330-12	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	210	6.2	ug/kg
LT-C-068-0-2-20140226	480-55330-12	DIBENZOFURAN	3/6/2014			Yes	N	U		U	210	2.1	ug/kg
LT-C-068-0-2-20140226	480-55330-12	FLUORANTHENE	3/6/2014	16		Yes	Y	J		J	210	3.0	ug/kg
LT-C-068-0-2-20140226	480-55330-12	CHRYSENE	3/6/2014	16		Yes	Y	J		J	210	2.1	ug/kg
LT-C-068-0-2-20140226	480-55330-12	FLUORENE	3/6/2014			Yes	N	U		U	210	4.7	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-0-2-20140226	480-55330-12	CAPROLACTAM	3/6/2014			Yes	N	U		U	210	89	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	210	66	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	210	21	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014	160		Yes	Y	J		J	210	18	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	210	11	ug/kg
LT-C-068-0-2-20140226	480-55330-12	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	210	8.5	ug/kg
LT-C-068-0-2-20140226	480-55330-12	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	210	2.4	ug/kg
LT-C-068-0-2-20140226	480-55330-12	NAPHTHALENE	3/6/2014			Yes	N	U		U	210	3.4	ug/kg
LT-C-068-0-2-20140226	480-55330-12	PYRENE	3/6/2014	23		Yes	Y	J		J	210	1.3	ug/kg
LT-C-068-0-2-20140226	480-55330-12	PHENOL	3/6/2014			Yes	N	U		U	210	22	ug/kg
LT-C-068-0-2-20140226	480-55330-12	PHENANTHRENE	3/6/2014	12		Yes	Y	J		J	210	4.3	ug/kg
LT-C-068-0-2-20140226	480-55330-12	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	400	71	ug/kg
LT-C-068-0-2-20140226	480-55330-12	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	210	11	ug/kg
LT-C-068-0-2-20140226	480-55330-12	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	210	4.8	ug/kg
LT-C-068-0-2-20140226	480-55330-12	NITROBENZENE	3/6/2014			Yes	N	U		U	210	9.1	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	210	2.3	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ISOPHORONE	3/6/2014			Yes	N	U		U	210	10	ug/kg
LT-C-068-0-2-20140226	480-55330-12	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	210	5.7	ug/kg
LT-C-068-0-2-20140226	480-55330-12	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	210	16	ug/kg
LT-C-068-0-2-20140226	480-55330-12	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	210	62	ug/kg
LT-C-068-0-2-20140226	480-55330-12	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	210	11	ug/kg
LT-C-068-0-2-20140226	480-55330-12	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	210	10	ug/kg
LT-C-068-0-2-20140226	480-55330-12	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	210	16	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	210	14	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	210	13	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-0-2-20140226	480-55330-12	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	210	180	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2-NITROPHENOL	3/6/2014			Yes	N	U		U	210	9.4	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2-NITROANILINE	3/6/2014			Yes	N	U		U	400	66	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2-METHYLPHENOL (O-CRESOL)	3/6/2014	37		Yes	Y	J		J	210	6.3	ug/kg
LT-C-068-0-2-20140226	480-55330-12	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	400	71	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	210	10	ug/kg
LT-C-068-0-2-20140226	480-55330-12	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	210	65	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	210	50	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2,4-DINITROTOLUENE	3/6/2014	70		Yes	Y	J		J	210	32	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	400	72	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	210	56	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	210	11	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	210	14	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	210	2.5	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ACETOPHENONE	3/6/2014			Yes	N	U		U	210	11	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	210	2.5	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	210	4.0	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	210	5.0	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BENZO(A)ANTHRACENE	3/6/2014	21		Yes	Y	J		J	210	3.5	ug/kg
LT-C-068-0-2-20140226	480-55330-12	BENZALDEHYDE	3/6/2014			Yes	N	U		U	210	23	ug/kg
LT-C-068-0-2-20140226	480-55330-12	3-NITROANILINE	3/6/2014			Yes	N	U		U	400	47	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ANTHRACENE	3/6/2014			Yes	N	U		U	210	5.3	ug/kg
LT-C-068-0-2-20140226	480-55330-12	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	210	45	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	210	1.7	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ACENAPHTHENE	3/6/2014			Yes	N	U		U	210	2.4	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-0-2-20140226	480-55330-12	4-NITROPHENOL	3/6/2014			Yes	N	U		U	400	50	ug/kg
LT-C-068-0-2-20140226	480-55330-12	4-NITROANILINE	3/6/2014			Yes	N	U		U	400	23	ug/kg
LT-C-068-0-2-20140226	480-55330-12	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	400	11	ug/kg
LT-C-068-0-2-20140226	480-55330-12	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	210	60	ug/kg
LT-C-068-0-2-20140226	480-55330-12	ATRAZINE	3/6/2014			Yes	N	U		U	210	9.1	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-068-4-6-20140226	480-55330-13	CARBAZOLE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	200	53	ug/kg
LT-C-068-4-6-20140226	480-55330-13	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	200	68	ug/kg
LT-C-068-4-6-20140226	480-55330-13	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	200	5.2	ug/kg
LT-C-068-4-6-20140226	480-55330-13	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	200	6.0	ug/kg
LT-C-068-4-6-20140226	480-55330-13	DIBENZOFURAN	3/6/2014			Yes	N	U		U	200	2.1	ug/kg
LT-C-068-4-6-20140226	480-55330-13	FLUORENE	3/6/2014			Yes	N	U		U	200	4.6	ug/kg
LT-C-068-4-6-20140226	480-55330-13	CHRYSENE	3/6/2014			Yes	N	U		U	200	2.0	ug/kg
LT-C-068-4-6-20140226	480-55330-13	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-068-4-6-20140226	480-55330-13	CAPROLACTAM	3/6/2014			Yes	N	U		U	200	86	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	200	64	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	200	17	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	200	12	ug/kg
LT-C-068-4-6-20140226	480-55330-13	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-068-4-6-20140226	480-55330-13	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	200	16	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	48	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	43	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-4-6-20140226	480-55330-13	PYRENE	3/6/2014			Yes	N	U		U	200	1.3	ug/kg
LT-C-068-4-6-20140226	480-55330-13	PHENOL	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-068-4-6-20140226	480-55330-13	PHENANTHRENE	3/6/2014			Yes	N	U		U	200	4.2	ug/kg
LT-C-068-4-6-20140226	480-55330-13	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	200	4.6	ug/kg
LT-C-068-4-6-20140226	480-55330-13	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-068-4-6-20140226	480-55330-13	FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.9	ug/kg
LT-C-068-4-6-20140226	480-55330-13	NITROBENZENE	3/6/2014			Yes	N	U		U	200	8.8	ug/kg
LT-C-068-4-6-20140226	480-55330-13	NAPHTHALENE	3/6/2014			Yes	N	U		U	200	3.3	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ISOPHORONE	3/6/2014			Yes	N	U		U	200	9.9	ug/kg
LT-C-068-4-6-20140226	480-55330-13	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	200	5.5	ug/kg
LT-C-068-4-6-20140226	480-55330-13	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	200	15	ug/kg
LT-C-068-4-6-20140226	480-55330-13	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	200	60	ug/kg
LT-C-068-4-6-20140226	480-55330-13	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	390	68	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	200	13	ug/kg
LT-C-068-4-6-20140226	480-55330-13	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	63	ug/kg
LT-C-068-4-6-20140226	480-55330-13	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	390	68	ug/kg
LT-C-068-4-6-20140226	480-55330-13	3-NITROANILINE	3/6/2014			Yes	N	U		U	390	46	ug/kg
LT-C-068-4-6-20140226	480-55330-13	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	200	170	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2-NITROPHENOL	3/6/2014			Yes	N	U		U	200	9.0	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2-NITROANILINE	3/6/2014			Yes	N	U		U	390	63	ug/kg
LT-C-068-4-6-20140226	480-55330-13	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	200	8.1	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	200	2.4	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	31	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	390	69	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-4-6-20140226	480-55330-13	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	200	53	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.2	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	13	ug/kg
LT-C-068-4-6-20140226	480-55330-13	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	200	9.8	ug/kg
LT-C-068-4-6-20140226	480-55330-13	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	200	6.1	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	200	4.8	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	200	3.8	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	200	3.4	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BENZALDEHYDE	3/6/2014			Yes	N	U		U	200	22	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ATRAZINE	3/6/2014			Yes	N	U		U	200	8.8	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ANTHRACENE	3/6/2014			Yes	N	U		U	200	5.1	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ACETOPHENONE	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	200	1.6	ug/kg
LT-C-068-4-6-20140226	480-55330-13	4-NITROPHENOL	3/6/2014			Yes	N	U		U	390	48	ug/kg
LT-C-068-4-6-20140226	480-55330-13	4-NITROANILINE	3/6/2014			Yes	N	U		U	390	22	ug/kg
LT-C-068-4-6-20140226	480-55330-13	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	390	11	ug/kg
LT-C-068-4-6-20140226	480-55330-13	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	4.2	ug/kg
LT-C-068-4-6-20140226	480-55330-13	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	200	58	ug/kg
LT-C-068-4-6-20140226	480-55330-13	ACENAPHTHENE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-068-4-6-20140226	480-55330-13	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	200	2.4	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-068-8-10-20140226	480-55330-14	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-068-8-10-20140226	480-55330-14	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	64	ug/kg
LT-C-068-8-10-20140226	480-55330-14	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-068-8-10-20140226	480-55330-14	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.6	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-8-10-20140226	480-55330-14	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-068-8-10-20140226	480-55330-14	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.8	ug/kg
LT-C-068-8-10-20140226	480-55330-14	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-068-8-10-20140226	480-55330-14	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	80	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	19	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-068-8-10-20140226	480-55330-14	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.7	ug/kg
LT-C-068-8-10-20140226	480-55330-14	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	11	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	59	ug/kg
LT-C-068-8-10-20140226	480-55330-14	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.1	ug/kg
LT-C-068-8-10-20140226	480-55330-14	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	59	ug/kg
LT-C-068-8-10-20140226	480-55330-14	PHENOL	3/6/2014			Yes	N	U		U	190	19	ug/kg
LT-C-068-8-10-20140226	480-55330-14	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-068-8-10-20140226	480-55330-14	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	360	63	ug/kg
LT-C-068-8-10-20140226	480-55330-14	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	49	ug/kg
LT-C-068-8-10-20140226	480-55330-14	FLUORENE	3/6/2014			Yes	N	U		U	190	4.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.1	ug/kg
LT-C-068-8-10-20140226	480-55330-14	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	14	ug/kg
LT-C-068-8-10-20140226	480-55330-14	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	56	ug/kg
LT-C-068-8-10-20140226	480-55330-14	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.4	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-8-10-20140226	480-55330-14	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.1	ug/kg
LT-C-068-8-10-20140226	480-55330-14	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	45	ug/kg
LT-C-068-8-10-20140226	480-55330-14	3-NITROANILINE	3/6/2014			Yes	N	U		U	360	42	ug/kg
LT-C-068-8-10-20140226	480-55330-14	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	160	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2-NITROANILINE	3/6/2014			Yes	N	U		U	360	59	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	190	5.7	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	28	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	50	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-068-8-10-20140226	480-55330-14	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	54	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.6	ug/kg
LT-C-068-8-10-20140226	480-55330-14	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	40	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	20	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-068-8-10-20140226	480-55330-14	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.7	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-068-8-10-20140226	480-55330-14	4-NITROPHENOL	3/6/2014			Yes	N	U		U	360	45	ug/kg
LT-C-068-8-10-20140226	480-55330-14	4-NITROANILINE	3/6/2014			Yes	N	U		U	360	21	ug/kg
LT-C-068-8-10-20140226	480-55330-14	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	360	10	ug/kg
LT-C-068-8-10-20140226	480-55330-14	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-068-8-10-20140226	480-55330-14	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.5	ug/kg
LT-C-068-8-10-20140226	480-55330-14	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.6	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-070-0-2-20140226	480-55330-15	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	200	4.6	ug/kg
LT-C-070-0-2-20140226	480-55330-15	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	200	68	ug/kg
LT-C-070-0-2-20140226	480-55330-15	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	200	5.1	ug/kg
LT-C-070-0-2-20140226	480-55330-15	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	200	5.9	ug/kg
LT-C-070-0-2-20140226	480-55330-15	DIBENZOFURAN	3/6/2014			Yes	N	U		U	200	2.0	ug/kg
LT-C-070-0-2-20140226	480-55330-15	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-070-0-2-20140226	480-55330-15	CHRYSENE	3/6/2014			Yes	N	U		U	200	2.0	ug/kg
LT-C-070-0-2-20140226	480-55330-15	CARBAZOLE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	200	63	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	200	17	ug/kg
LT-C-070-0-2-20140226	480-55330-15	FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.9	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	200	12	ug/kg
LT-C-070-0-2-20140226	480-55330-15	NITROBENZENE	3/6/2014			Yes	N	U		U	200	8.7	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-0-2-20140226	480-55330-15	CAPROLACTAM	3/6/2014			Yes	N	U		U	200	85	ug/kg
LT-C-070-0-2-20140226	480-55330-15	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	63	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	200	53	ug/kg
LT-C-070-0-2-20140226	480-55330-15	PYRENE	3/6/2014			Yes	N	U		U	200	1.3	ug/kg
LT-C-070-0-2-20140226	480-55330-15	PHENOL	3/6/2014			Yes	N	U		U	200	21	ug/kg
LT-C-070-0-2-20140226	480-55330-15	PHENANTHRENE	3/6/2014			Yes	N	U		U	200	4.1	ug/kg
LT-C-070-0-2-20140226	480-55330-15	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	380	67	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ISOPHORONE	3/6/2014			Yes	N	U		U	200	9.8	ug/kg
LT-C-070-0-2-20140226	480-55330-15	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	200	16	ug/kg
LT-C-070-0-2-20140226	480-55330-15	FLUORENE	3/6/2014			Yes	N	U		U	200	4.5	ug/kg
LT-C-070-0-2-20140226	480-55330-15	NAPHTHALENE	3/6/2014			Yes	N	U		U	200	3.3	ug/kg
LT-C-070-0-2-20140226	480-55330-15	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	200	5.4	ug/kg
LT-C-070-0-2-20140226	480-55330-15	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	200	15	ug/kg
LT-C-070-0-2-20140226	480-55330-15	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	200	59	ug/kg
LT-C-070-0-2-20140226	480-55330-15	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-070-0-2-20140226	480-55330-15	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	200	9.8	ug/kg
LT-C-070-0-2-20140226	480-55330-15	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	200	11	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	200	13	ug/kg
LT-C-070-0-2-20140226	480-55330-15	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	380	68	ug/kg
LT-C-070-0-2-20140226	480-55330-15	3-NITROANILINE	3/6/2014			Yes	N	U		U	380	45	ug/kg
LT-C-070-0-2-20140226	480-55330-15	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	200	170	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2-NITROPHENOL	3/6/2014			Yes	N	U		U	200	9.0	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2-NITROANILINE	3/6/2014			Yes	N	U		U	380	63	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	13	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	200	2.4	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-0-2-20140226	480-55330-15	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	200	6.1	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	48	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	200	30	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	380	69	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	200	53	ug/kg
LT-C-070-0-2-20140226	480-55330-15	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	200	58	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	200	2.2	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	200	3.8	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	200	2.4	ug/kg
LT-C-070-0-2-20140226	480-55330-15	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	200	8.1	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	200	4.7	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	200	3.4	ug/kg
LT-C-070-0-2-20140226	480-55330-15	BENZALDEHYDE	3/6/2014			Yes	N	U		U	200	22	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ATRAZINE	3/6/2014			Yes	N	U		U	200	8.8	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ANTHRACENE	3/6/2014			Yes	N	U		U	200	5.0	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ACETOPHENONE	3/6/2014			Yes	N	U		U	200	10	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	200	1.6	ug/kg
LT-C-070-0-2-20140226	480-55330-15	ACENAPHTHENE	3/6/2014			Yes	N	U		U	200	2.3	ug/kg
LT-C-070-0-2-20140226	480-55330-15	4-NITROPHENOL	3/6/2014			Yes	N	U		U	380	48	ug/kg
LT-C-070-0-2-20140226	480-55330-15	4-NITROANILINE	3/6/2014			Yes	N	U		U	380	22	ug/kg
LT-C-070-0-2-20140226	480-55330-15	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	380	11	ug/kg
LT-C-070-0-2-20140226	480-55330-15	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	200	4.2	ug/kg
LT-C-070-0-2-20140226	480-55330-15	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	200	43	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-2-4-20140226	480-55330-16	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-070-2-4-20140226	480-55330-16	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	66	ug/kg
LT-C-070-2-4-20140226	480-55330-16	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.0	ug/kg
LT-C-070-2-4-20140226	480-55330-16	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.8	ug/kg
LT-C-070-2-4-20140226	480-55330-16	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-070-2-4-20140226	480-55330-16	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-070-2-4-20140226	480-55330-16	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-070-2-4-20140226	480-55330-16	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-070-2-4-20140226	480-55330-16	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	83	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	61	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-070-2-4-20140226	480-55330-16	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-070-2-4-20140226	480-55330-16	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg
LT-C-070-2-4-20140226	480-55330-16	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-070-2-4-20140226	480-55330-16	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
LT-C-070-2-4-20140226	480-55330-16	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-070-2-4-20140226	480-55330-16	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-070-2-4-20140226	480-55330-16	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-070-2-4-20140226	480-55330-16	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-070-2-4-20140226	480-55330-16	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.8	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-2-4-20140226	480-55330-16	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.3	ug/kg
LT-C-070-2-4-20140226	480-55330-16	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-070-2-4-20140226	480-55330-16	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	58	ug/kg
LT-C-070-2-4-20140226	480-55330-16	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.8	ug/kg
LT-C-070-2-4-20140226	480-55330-16	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-070-2-4-20140226	480-55330-16	FLUORENE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-070-2-4-20140226	480-55330-16	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.5	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	30	ug/kg
LT-C-070-2-4-20140226	480-55330-16	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	170	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.7	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2-NITROANILINE	3/6/2014			Yes	N	U		U	370	61	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	190	5.9	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-070-2-4-20140226	480-55330-16	3-NITROANILINE	3/6/2014			Yes	N	U		U	370	44	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	370	67	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	52	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.7	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	42	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.3	ug/kg
LT-C-070-2-4-20140226	480-55330-16	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	47	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-2-4-20140226	480-55330-16	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.6	ug/kg
LT-C-070-2-4-20140226	480-55330-16	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	370	66	ug/kg
LT-C-070-2-4-20140226	480-55330-16	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	21	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.5	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.8	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.6	ug/kg
LT-C-070-2-4-20140226	480-55330-16	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-070-2-4-20140226	480-55330-16	4-NITROPHENOL	3/6/2014			Yes	N	U		U	370	46	ug/kg
LT-C-070-2-4-20140226	480-55330-16	4-NITROANILINE	3/6/2014			Yes	N	U		U	370	21	ug/kg
LT-C-070-2-4-20140226	480-55330-16	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	370	11	ug/kg
LT-C-070-2-4-20140226	480-55330-16	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.1	ug/kg
LT-C-070-2-4-20140226	480-55330-16	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	56	ug/kg
LT-C-070-2-4-20140226	480-55330-16	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.8	ug/kg
LT-C-070-2-4-20140226	480-55330-16	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	61	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	17	ug/kg
LT-C-070-8-10-20140226	480-55330-17	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-070-8-10-20140226	480-55330-17	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	66	ug/kg
LT-C-070-8-10-20140226	480-55330-17	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.0	ug/kg
LT-C-070-8-10-20140226	480-55330-17	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.8	ug/kg
LT-C-070-8-10-20140226	480-55330-17	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-070-8-10-20140226	480-55330-17	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-070-8-10-20140226	480-55330-17	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-070-8-10-20140226	480-55330-17	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-070-8-10-20140226	480-55330-17	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	83	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-8-10-20140226	480-55330-17	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-070-8-10-20140226	480-55330-17	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.8	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	62	ug/kg
LT-C-070-8-10-20140226	480-55330-17	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	42	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	52	ug/kg
LT-C-070-8-10-20140226	480-55330-17	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-070-8-10-20140226	480-55330-17	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-070-8-10-20140226	480-55330-17	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	380	66	ug/kg
LT-C-070-8-10-20140226	480-55330-17	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-070-8-10-20140226	480-55330-17	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg
LT-C-070-8-10-20140226	480-55330-17	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.5	ug/kg
LT-C-070-8-10-20140226	480-55330-17	FLUORENE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-070-8-10-20140226	480-55330-17	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.3	ug/kg
LT-C-070-8-10-20140226	480-55330-17	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-070-8-10-20140226	480-55330-17	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	58	ug/kg
LT-C-070-8-10-20140226	480-55330-17	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.8	ug/kg
LT-C-070-8-10-20140226	480-55330-17	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-070-8-10-20140226	480-55330-17	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.8	ug/kg
LT-C-070-8-10-20140226	480-55330-17	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	380	66	ug/kg
LT-C-070-8-10-20140226	480-55330-17	3-NITROANILINE	3/6/2014			Yes	N	U		U	380	44	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-8-10-20140226	480-55330-17	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	170	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.8	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2-NITROANILINE	3/6/2014			Yes	N	U		U	380	62	ug/kg
LT-C-070-8-10-20140226	480-55330-17	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	61	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	47	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	30	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	380	67	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	52	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-070-8-10-20140226	480-55330-17	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	190	5.9	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	21	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.7	ug/kg
LT-C-070-8-10-20140226	480-55330-17	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.9	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.3	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.5	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.6	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-070-8-10-20140226	480-55330-17	4-NITROPHENOL	3/6/2014			Yes	N	U		U	380	47	ug/kg
LT-C-070-8-10-20140226	480-55330-17	4-NITROANILINE	3/6/2014			Yes	N	U		U	380	21	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-070-8-10-20140226	480-55330-17	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	380	11	ug/kg
LT-C-070-8-10-20140226	480-55330-17	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.1	ug/kg
LT-C-070-8-10-20140226	480-55330-17	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-070-8-10-20140226	480-55330-17	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.6	ug/kg
LT-C-070-8-10-20140226	480-55330-17	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	56	ug/kg
LT-C-071-0-2-20140226	480-55330-21	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-071-0-2-20140226	480-55330-21	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-071-0-2-20140226	480-55330-21	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-071-0-2-20140226	480-55330-21	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-071-0-2-20140226	480-55330-21	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.8	ug/kg
LT-C-071-0-2-20140226	480-55330-21	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	67	ug/kg
LT-C-071-0-2-20140226	480-55330-21	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.0	ug/kg
LT-C-071-0-2-20140226	480-55330-21	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-071-0-2-20140226	480-55330-21	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	83	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	62	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	17	ug/kg
LT-C-071-0-2-20140226	480-55330-21	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.8	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-071-0-2-20140226	480-55330-21	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-071-0-2-20140226	480-55330-21	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.6	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BENZO(G,H,I)PERYLENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-071-0-2-20140226	480-55330-21	PYRENE	3/6/2014			Yes	N	U		U	190	1.2	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-0-2-20140226	480-55330-21	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-071-0-2-20140226	480-55330-21	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-071-0-2-20140226	480-55330-21	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-071-0-2-20140226	480-55330-21	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	11	ug/kg
LT-C-071-0-2-20140226	480-55330-21	FLUORENE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-071-0-2-20140226	480-55330-21	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.3	ug/kg
LT-C-071-0-2-20140226	480-55330-21	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-071-0-2-20140226	480-55330-21	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	58	ug/kg
LT-C-071-0-2-20140226	480-55330-21	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-071-0-2-20140226	480-55330-21	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-071-0-2-20140226	480-55330-21	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	380	66	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-071-0-2-20140226	480-55330-21	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	380	67	ug/kg
LT-C-071-0-2-20140226	480-55330-21	3-NITROANILINE	3/6/2014			Yes	N	U		U	380	44	ug/kg
LT-C-071-0-2-20140226	480-55330-21	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	170	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.8	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	190	5.9	ug/kg
LT-C-071-0-2-20140226	480-55330-21	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	61	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.8	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2-NITROANILINE	3/6/2014			Yes	N	U		U	380	62	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	47	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	30	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	380	67	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-0-2-20140226	480-55330-21	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	52	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	52	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	42	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.6	ug/kg
LT-C-071-0-2-20140226	480-55330-21	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-071-0-2-20140226	480-55330-21	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.9	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.6	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	21	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BENZO(B)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	3.7	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.6	ug/kg
LT-C-071-0-2-20140226	480-55330-21	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-071-0-2-20140226	480-55330-21	4-NITROPHENOL	3/6/2014			Yes	N	U		U	380	47	ug/kg
LT-C-071-0-2-20140226	480-55330-21	4-NITROANILINE	3/6/2014			Yes	N	U		U	380	22	ug/kg
LT-C-071-0-2-20140226	480-55330-21	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	380	11	ug/kg
LT-C-071-0-2-20140226	480-55330-21	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.1	ug/kg
LT-C-071-0-2-20140226	480-55330-21	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	57	ug/kg
LT-C-071-0-2-20140226	480-55330-21	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.3	ug/kg
LT-C-071-2-4-20140226	480-55330-22	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	2.0	ug/kg
LT-C-071-2-4-20140226	480-55330-22	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.4	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-071-2-4-20140226	480-55330-22	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	65	ug/kg
LT-C-071-2-4-20140226	480-55330-22	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.9	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-2-4-20140226	480-55330-22	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.7	ug/kg
LT-C-071-2-4-20140226	480-55330-22	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-071-2-4-20140226	480-55330-22	CHRYSENE	3/6/2014	7.7		Yes	Y	J		J	190	1.9	ug/kg
LT-C-071-2-4-20140226	480-55330-22	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-071-2-4-20140226	480-55330-22	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	81	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	61	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-071-2-4-20140226	480-55330-22	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.1	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-071-2-4-20140226	480-55330-22	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	60	ug/kg
LT-C-071-2-4-20140226	480-55330-22	PYRENE	3/6/2014	7		Yes	Y	J		J	190	1.2	ug/kg
LT-C-071-2-4-20140226	480-55330-22	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-071-2-4-20140226	480-55330-22	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
LT-C-071-2-4-20140226	480-55330-22	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-071-2-4-20140226	480-55330-22	PHENOL	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-071-2-4-20140226	480-55330-22	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.3	ug/kg
LT-C-071-2-4-20140226	480-55330-22	FLUORANTHENE	3/6/2014	6.6		Yes	Y	J		J	190	2.7	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-071-2-4-20140226	480-55330-22	INDENO(1,2,3-C,D)PYRENE	3/6/2014			Yes	N	U		U	190	5.2	ug/kg
LT-C-071-2-4-20140226	480-55330-22	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-071-2-4-20140226	480-55330-22	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	57	ug/kg
LT-C-071-2-4-20140226	480-55330-22	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-071-2-4-20140226	480-55330-22	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.3	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-2-4-20140226	480-55330-22	FLUORENE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-071-2-4-20140226	480-55330-22	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	46	ug/kg
LT-C-071-2-4-20140226	480-55330-22	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	170	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.6	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2-NITROANILINE	3/6/2014			Yes	N	U		U	370	60	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	190	5.8	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	41	ug/kg
LT-C-071-2-4-20140226	480-55330-22	3-NITROANILINE	3/6/2014			Yes	N	U		U	370	43	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BENZO(K)FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.3	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	370	66	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	51	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.9	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-071-2-4-20140226	480-55330-22	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	55	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.6	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.4	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BENZO(G,H,I)PERYLENE	3/6/2014	12		Yes	Y	J		J	190	2.3	ug/kg
LT-C-071-2-4-20140226	480-55330-22	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	13	ug/kg
LT-C-071-2-4-20140226	480-55330-22	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	370	65	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BENZO(A)PYRENE	3/6/2014	9.6		Yes	Y	J		J	190	4.5	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BENZALDEHYDE	3/6/2014			Yes	N	U	UJ	UJ	190	21	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BENZO(B)FLUORANTHENE	3/6/2014	10		Yes	Y	J		J	190	3.7	ug/kg

SDG: 480553301

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-2-4-20140226	480-55330-22	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.5	ug/kg
LT-C-071-2-4-20140226	480-55330-22	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-071-2-4-20140226	480-55330-22	4-NITROPHENOL	3/6/2014			Yes	N	U		U	370	46	ug/kg
LT-C-071-2-4-20140226	480-55330-22	4-NITROANILINE	3/6/2014			Yes	N	U		U	370	21	ug/kg
LT-C-071-2-4-20140226	480-55330-22	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	370	10	ug/kg
LT-C-071-2-4-20140226	480-55330-22	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	4.0	ug/kg
LT-C-071-2-4-20140226	480-55330-22	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.7	ug/kg
LT-C-071-2-4-20140226	480-55330-22	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	DIBENZ(A,H)ANTHRACENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	DI-N-OCTYLPHTHALATE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-071-8-10-20140226	480-55330-23	DI-N-BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	64	ug/kg
LT-C-071-8-10-20140226	480-55330-23	DIMETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	4.8	ug/kg
LT-C-071-8-10-20140226	480-55330-23	DIETHYL PHTHALATE	3/6/2014			Yes	N	U		U	190	5.6	ug/kg
LT-C-071-8-10-20140226	480-55330-23	DIBENZOFURAN	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-071-8-10-20140226	480-55330-23	CHRYSENE	3/6/2014			Yes	N	U		U	190	1.9	ug/kg
LT-C-071-8-10-20140226	480-55330-23	CARBAZOLE	3/6/2014			Yes	N	U		U	190	2.1	ug/kg
LT-C-071-8-10-20140226	480-55330-23	CAPROLACTAM	3/6/2014			Yes	N	U		U	190	80	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014			Yes	N	U		U	190	60	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014			Yes	N	U		U	190	19	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014			Yes	N	U		U	190	16	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BIPHENYL (DIPHENYL)	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BIS(2-CHLOROETHOXY) METHANE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-071-8-10-20140226	480-55330-23	NAPHTHALENE	3/6/2014			Yes	N	U		U	190	3.1	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-8-10-20140226	480-55330-23	4-BROMOPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	59	ug/kg
LT-C-071-8-10-20140226	480-55330-23	PYRENE	3/6/2014	5.4		Yes	Y	J		J	190	1.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BENZYL BUTYL PHTHALATE	3/6/2014			Yes	N	U		U	190	50	ug/kg
LT-C-071-8-10-20140226	480-55330-23	PHENANTHRENE	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-071-8-10-20140226	480-55330-23	PENTACHLOROPHENOL	3/6/2014			Yes	N	U		U	360	63	ug/kg
LT-C-071-8-10-20140226	480-55330-23	N-NITROSODIPHENYLAMINE	3/6/2014			Yes	N	U		U	190	10	ug/kg
LT-C-071-8-10-20140226	480-55330-23	PHENOL	3/6/2014			Yes	N	U		U	190	19	ug/kg
LT-C-071-8-10-20140226	480-55330-23	NITROBENZENE	3/6/2014			Yes	N	U		U	190	8.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	FLUORANTHENE	3/6/2014			Yes	N	U		U	190	2.7	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ISOPHORONE	3/6/2014			Yes	N	U		U	190	9.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	INDENO(1,2,3-C,D)PYRENE	3/6/2014	9.7		Yes	Y	J		J	190	5.1	ug/kg
LT-C-071-8-10-20140226	480-55330-23	HEXACHLOROETHANE	3/6/2014			Yes	N	U		U	190	14	ug/kg
LT-C-071-8-10-20140226	480-55330-23	HEXACHLOROCYCLOPENTADIENE	3/6/2014			Yes	N	U		U	190	56	ug/kg
LT-C-071-8-10-20140226	480-55330-23	HEXACHLOROBUTADIENE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-071-8-10-20140226	480-55330-23	HEXACHLOROBENZENE	3/6/2014			Yes	N	U		U	190	9.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	FLUORENE	3/6/2014			Yes	N	U		U	190	4.3	ug/kg
LT-C-071-8-10-20140226	480-55330-23	N-NITROSODI-N-PROPYLAMINE	3/6/2014			Yes	N	U		U	190	15	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2,6-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	45	ug/kg
LT-C-071-8-10-20140226	480-55330-23	3,3'-DICHLOROBENZIDINE	3/6/2014			Yes	N	U		U	190	160	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2-NITROPHENOL	3/6/2014			Yes	N	U		U	190	8.5	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2-NITROANILINE	3/6/2014			Yes	N	U		U	360	59	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2-METHYLPHENOL (O-CRESOL)	3/6/2014			Yes	N	U		U	190	5.7	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2-METHYLNAPHTHALENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	4-CHLOROANILINE	3/6/2014			Yes	N	U		U	190	54	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2-CHLORONAPHTHALENE	3/6/2014			Yes	N	U		U	190	12	ug/kg

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-071-8-10-20140226	480-55330-23	4-CHLORO-3-METHYLPHENOL	3/6/2014			Yes	N	U		U	190	7.6	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2,4-DINITROTOLUENE	3/6/2014			Yes	N	U		U	190	29	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2,4-DINITROPHENOL	3/6/2014			Yes	N	U		U	360	65	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2,4-DIMETHYLPHENOL	3/6/2014			Yes	N	U		U	190	50	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2,4-DICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.7	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2,4,6-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	12	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2,4,5-TRICHLOROPHENOL	3/6/2014			Yes	N	U		U	190	40	ug/kg
LT-C-071-8-10-20140226	480-55330-23	2-CHLOROPHENOL	3/6/2014			Yes	N	U		U	190	9.4	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ACENAPHTHYLENE	3/6/2014			Yes	N	U		U	190	1.5	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BENZO(G,H,I)PERYLENE	3/6/2014	9.5		Yes	Y	J		J	190	2.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BENZO(B)FLUORANTHENE	3/6/2014	10		Yes	Y	J		J	190	3.6	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BENZO(A)PYRENE	3/6/2014			Yes	N	U		U	190	4.5	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BENZO(A)ANTHRACENE	3/6/2014			Yes	N	U		U	190	3.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BENZALDEHYDE	3/6/2014			Yes	N	U		U	190	20	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ATRAZINE	3/6/2014			Yes	N	U		U	190	8.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	3-NITROANILINE	3/6/2014			Yes	N	U		U	360	43	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ACETOPHENONE	3/6/2014			Yes	N	U		U	190	9.5	ug/kg
LT-C-071-8-10-20140226	480-55330-23	4,6-DINITRO-2-METHYLPHENOL	3/6/2014			Yes	N	U		U	360	64	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ACENAPHTHENE	3/6/2014			Yes	N	U		U	190	2.2	ug/kg
LT-C-071-8-10-20140226	480-55330-23	4-NITROPHENOL	3/6/2014			Yes	N	U		U	360	45	ug/kg
LT-C-071-8-10-20140226	480-55330-23	4-NITROANILINE	3/6/2014			Yes	N	U		U	360	21	ug/kg
LT-C-071-8-10-20140226	480-55330-23	4-METHYLPHENOL (P-CRESOL)	3/6/2014			Yes	N	U		U	360	10	ug/kg
LT-C-071-8-10-20140226	480-55330-23	4-CHLOROPHENYL PHENYL ETHER	3/6/2014			Yes	N	U		U	190	3.9	ug/kg
LT-C-071-8-10-20140226	480-55330-23	BENZO(K)FLUORANTHENE	3/6/2014	9.3		Yes	Y	J		J	190	2.0	ug/kg
LT-C-071-8-10-20140226	480-55330-23	ANTHRACENE	3/6/2014			Yes	N	U		U	190	4.7	ug/kg

Site:	Glen Isle
Laboratory:	Test America Buffalo, NY
Report No.:	480-55331-1
Reviewer:	Christina Rink and Felomina Tanguilig/Laboratory Data Consultants for RXR Glen Isle Partners, LLC
Date:	April 14, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
GM-11**	480-55331-1	VOC**, SVOC**
CC-C-048-GW**	480-55331-2	VOC**, SVOC**
CC-C-028-GW**	480-55331-3	VOC**, SVOC**
CC-C-051-GW*	480-55331-4	VOC**, SVOC**
LT-C-054-GW**	480-55331-5	VOC**, SVOC**
FB004-GW	480-55331-7	VOC, SVOC
TB	480-55331-8	VOC
LT-G-010-GW**	480-55331-9	VOC**, SVOC**, PCBs**
CC-C-001-GW**	480-55331-10	VOC**, SVOC**
CC-C-051-GWMS	480-55331-4MS	VOC
CC-C-051-GWMSD	480-55331-4MSD	VOC

Associated QC Samples(s):
Field/Trip Blanks: FB005-GW (from SDG 480-55391-1), FB004-GW, TB
Field Duplicate pair: None Associated

The above-listed water samples were collected on January 26, 2014 through January 27, 2014 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and polychlorinated biphenyls (PCBs) by SW-846 method 8082A. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

PCBs

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

VOC

All criteria were met.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
3/3/14	CCV (11:23)	3,3'-Dichlorobenzidine	29.9	GM-11** CC-C-048-GW** CC-C-028-GW** LT-C-054-GW** LT-G-010-GW** CC-C-001-GW**	XX	UJ nondetects
3/4/14	CCV (05:10)	4-Nitroaniline	21.2	CC-C-051-GW**	XX	UJ nondetects
3/4/14	CCV (05:33)	Atrazine 3,3'-Dichlorobenzidine	28.0 26.6	CC-C-051-GW**	XX XX	UJ nondetects UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

PCBs

All criteria were met.

Blanks

VOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blanks FB005-GW (from SDG 480-55391-1) and FB004-GW and trip blank TB for the VOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB005-GW	Bromodichloromethane Chloroform Methylene chloride	0.57 ug/L 2.0 ug/L 0.73 ug/L	<RL <RL <2x RL	LT-G-010-GW** CC-C-001-GW**
FB004-GW	Methylene chloride	0.44 ug/L	<2x RL	GM-11** CC-C-048-GW** CC-C-028-GW** CC-C-051-GW** LT-C-054-GW**
TB	Acetone	5.6 ug/L	<2x RL	GM-11** CC-C-048-GW** CC-C-028-GW** CC-C-051-GW** LT-C-054-GW** FB004-GW LT-G-010-GW** CC-C-001-GW**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

SVOC

Contamination was detected in the associated SVOA method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the

associated samples. Action Levels (ALs) were established at < RL for other contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-168117	Bis(2-ethylhexyl)phthalate	1.86 ug/L	<RL	GM-11**
	Butylbenzylphthalate	0.540 ug/L	<RL	CC-C-048-GW**
				CC-C-028-GW**
				CC-C-051-GW**
				LT-C-054-GW**
				FB004-GW
				LT-G-010-GW**
				CC-C-001-GW**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
CC-C-048-GW**	Bis(2-ethylhexyl)phthalate	4.4 ug/L	5.1U ug/L
	Butylbenzylphthalate	0.56 ug/L	5.1U ug/L
CC-C-028-GW**	Bis(2-ethylhexyl)phthalate	3.0 ug/L	5.1U ug/L
	Butylbenzylphthalate	0.57 ug/L	5.1U ug/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

Contamination was detected in the field blanks FB005-GW (from SDG 480-55391-1), and FB004-GW for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for contaminants. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB004-GW	Di-n-butylphthalate	0.45 ug/L	<RL	GM-11**
	2-Methylnaphthalene	2.1 ug/L	<RL	CC-C-048-GW**
	Acenaphthene	1.1 ug/L	<RL	CC-C-028-GW**
	Dibenzofuran	0.67 ug/L	<RL	CC-C-051-GW**
	Fluorene	0.56 ug/L	<RL	CC-C-051-GWDL**
	Naphthalene	2.5 ug/L	<RL	LT-C-054-GW**
	Phenanthrene	1.0 ug/L	<RL	

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB005-GW	Indeno(1,2,3-cd)pyrene	1.2 ug/L	<RL	LT-G-010-GW**
	Benzo(g,h,i)perylene	0.26 ug/L	<RL	CC-C-001-GW**
	Butylbenzylphthalate	0.47 ug/L	<RL	
	Di-n-butylphthalate	1.4 ug/L	<RL	
	2-Methylnaphthalene	0.74 ug/L	<RL	
	Acenaphthene	0.47 ug/L	<RL	
	Dibenzofuran	0.82 ug/L	<RL	
	Fluoranthene	0.37 ug/L	<RL	
	Fluorene	0.62 ug/L	<RL	
	Phenanthrene	1.2 ug/L	<RL	

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
GM-11**	Di-n-butylphthalate	0.54 ug/L	5.0U ug/L
CC-C-048-GW**	Di-n-butylphthalate	0.77 ug/L	5.1U ug/L
	2-Methylnaphthalene	0.62 ug/L	5.1U ug/L
	Acenaphthene	0.53 ug/L	5.1U ug/L
	Fluorene	0.54 ug/L	5.1U ug/L
	Phenanthrene	3.0 ug/L	5.1U ug/L
CC-C-028-GW**	Di-n-butylphthalate	0.68 ug/L	5.1U ug/L
	2-Methylnaphthalene	2.2 ug/L	5.1U ug/L
	Acenaphthene	2.3 ug/L	5.1U ug/L
	Dibenzofuran	1.3 ug/L	10U ug/L
	Fluorene	1.4 ug/L	5.1U ug/L
	Naphthalene	2.5 ug/L	5.1U ug/L
	Phenanthrene	3.9 ug/L	5.1U ug/L
LT-C-054-GW**	Di-n-butylphthalate	0.55 ug/L	5.2U ug/L
	2-Methylnaphthalene	1.6 ug/L	5.2U ug/L
	Acenaphthene	1.7 ug/L	5.2U ug/L
	Dibenzofuran	1.1 ug/L	10U ug/L
	Fluorene	1.2 ug/L	5.2U ug/L
	Naphthalene	1.4 ug/L	5.2U ug/L
	Phenanthrene	2.8 ug/L	5.2U ug/L
LT-G-010-GW**	Di-n-butylphthalate	0.31 ug/L	4.9U ug/L
	Fluoranthene	0.50 ug/L	4.9U ug/L
	Phenanthrene	0.50 ug/L	4.9U ug/L
CC-C-001-GW**	Di-n-butylphthalate	0.45 ug/L	5.1U ug/L
	Fluoranthene	0.44 ug/L	5.1U ug/L
	Phenanthrene	0.46 ug/L	5.1U ug/L

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

PCBs

Contamination was not detected in the method blanks.

No positive results were found in the field blanks FB005-GW (from SDG 480-53391-1) for PCB analyses.

Surrogate Recoveries

VOC and PCBs

All criteria were met.

SVOC

Surrogates were recovered outside of control limits for samples CC-C-051-GW** and CC-C-051-GWDL**. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

VOC

MS/MSD analyses were performed on sample CC-C-051-GW** for VOC. The following table lists the compounds recovered outside of control limits in the MS/MSD analyses and the resulting actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
Toluene	68 (80-122)	-	-	CC-C-051-GWDL**	J detects

- Within control limits

The toluene result may be biased low. The results can be used for project objectives as estimated (J) which may have a minor impact on the data usability.

SVOC and PCBs

MS/MSD analyses were not performed for the SVOC and PCB analyses.

LCS Results

VOC, SVOC, and PCBs

All criteria were met.

Internal Standards

VOC

All criteria were met. Internal standards were not reviewed for samples reviewed by Category A criteria.

SVOC

Internal standards were not reviewed for samples reviewed by Category A criteria. The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Area Exceedances (Limits)	Affected Compounds	Validation actions
GM-11**	Perylene-d12	697377 (722666-2890662)	Benzo(b)fluoranthene	UJ nondetects
			Benzo(k)fluoranthene	UJ nondetects
			Benzo(a)pyrene	UJ nondetects
			Indeno(1,2,3-cd)pyrene	UJ nondetects
			Dibenzo(a,h)anthracene	UJ nondetects
			Benzo(g,h,i)perylene	UJ nondetects
CC-C-048-GW**	Perylene-d12	667874 (722666-2890662)	Benzo(b)fluoranthene	J detects/UJ nondetects
			Benzo(k)fluoranthene	J detects/UJ nondetects
			Benzo(a)pyrene	J detects/UJ nondetects
			Indeno(1,2,3-cd)pyrene	J detects/UJ nondetects
			Dibenzo(a,h)anthracene	J detects/UJ nondetects
			Benzo(g,h,i)perylene	J detects/UJ nondetects
CC-C-028-GW**	Perylene-d12	698363 (722666-2890662)	Benzo(b)fluoranthene	J detects/UJ nondetects
			Benzo(k)fluoranthene	J detects/UJ nondetects
			Benzo(a)pyrene	J detects/UJ nondetects
			Indeno(1,2,3-cd)pyrene	J detects/UJ nondetects
			Dibenzo(a,h)anthracene	J detects/UJ nondetects
			Benzo(g,h,i)perylene	J detects/UJ nondetects
LT-C-054-GW**	Perylene-d12	616853 (722666-2890662)	Benzo(b)fluoranthene	UJ nondetects
			Benzo(k)fluoranthene	UJ nondetects
			Benzo(a)pyrene	UJ nondetects
			Indeno(1,2,3-cd)pyrene	UJ nondetects
			Dibenzo(a,h)anthracene	UJ nondetects
			Benzo(g,h,i)perylene	UJ nondetects

Sample	Internal Standard	Area Exceedances (Limits)	Affected Compounds	Validation actions
LT-G-010-GW**	Perylene-d12	567967 (722666-2890662)	Benzo(b)fluoranthene	J detects/UJ nondetects
			Benzo(k)fluoranthene	J detects/UJ nondetects
			Benzo(a)pyrene	J detects/UJ nondetects
			Indeno(1,2,3-cd)pyrene	J detects/UJ nondetects
			Dibenzo(a,h)anthracene	J detects/UJ nondetects
			Benzo(g,h,i)perylene	J detects/UJ nondetects
CC-C-001-GW**	Perylene-d12	574010 (722666-2890662)	Benzo(b)fluoranthene	J detects/UJ nondetects
			Benzo(k)fluoranthene	J detects/UJ nondetects
			Benzo(a)pyrene	J detects/UJ nondetects
			Indeno(1,2,3-cd)pyrene	J detects/UJ nondetects
			Dibenzo(a,h)anthracene	J detects/UJ nondetects
			Benzo(g,h,i)perylene	J detects/UJ nondetects

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the VOC and SVOC analyses. These results were qualified as estimated (J) by the laboratory.

No results were reported below the reporting limit (RL) for PCB analyses.

Due to difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	VOC Analysis Reported	SVOA Analysis Reported
CC-C-048-GW**	4-fold dilution due to the nature of sample matrix	-
CC-C-051-GW**	100-fold dilution due to the nature of sample matrix	200-fold dilution due to due to the nature of sample matrix
CC-C-051-GWDL**	200-fold for toluene dilution due to high analyte level	1000-fold dilution for 2-methylnaphthalene, acenapthene, dibenzofuran, fluoranthene, fluorene, phenanthrene, and pyrene due to high analyte levels
LT-C-054-GWDL**	10-fold dilution for cis-1,2-dichloroehtene due to high analyte level	-

Dilutions were not required for PCBs analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31574C1a **VALIDATION COMPLETENESS WORKSHEET** Date: 4/8/14
SDG #: 480-55331-1 Cat A/Cat B Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: FR
2nd Reviewer: OK

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/26 - 2/27/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. %RSD ≤ 20, r²
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CCV ≤ 20 ICV ≤ 30
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS ID
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Result < RL = J
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	SW	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	FB = 8 TB = 9 FB- FB005-GW SDG# 480-55391-1

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1 water	GM-11 **	11	CC-C-001-GW **	21	MB 480-168125	31	
2	CC-C-048-GW ** 4X	12	CC-C-051-GWMS	22	MB 480-168238	32	
3	CC-C-028-GW **	13	CC-C-051-GWMSD	23		33	
4	CC-C-051-GW ** 100X	14		24		34	
5	CC-C-051-GWDL ** 200X (CC)	15		25		35	
6	LT-C-054-GW **	16		26		36	
7	LT-C-054-GWDL ** 10X (QQQ)	17		27		37	
8	FB004-GW	18		28		38	
9	TB	19		29		39	
10	LT-G-010-GW **	20		30		40	

#2 was diluted due to the nature of the sample matrix (foaming at the time of purging

#4, 5, 6 - diluted to bring the concentration of target analytes within calibration Rang

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene	BB. 1,1,2,2-Tetrachloroethane	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane	CC. Toluene	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform	EE. Ethylbenzene	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN. Iodomethane
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO.1,1-Difluoroethane
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

LDC #: 31574C/a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: Q

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	3/3/14	CCV	A	20.1		5, 7, ~~12, 13~~ FD	J/UJ/A (ND)
	1044					MB 400-168238	

CONCAL.wpd

LDC #: 35746/a

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: FT
2nd Reviewer: OR

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/L
Sampling date: 2/26/14
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: FB Associated Samples: 1 → 7 (ND)

Compound	Blank ID	Sample Identification								
	8									
E	0.44									

Blank units: ug/L **Associated sample units:** ug/L
Sampling date: 2/26/14
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: TB Associated Samples: 1 → 8, 10, 11 (ND)

Compound	Blank ID	Sample Identification								
	9									
F	5.6									

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31574c19

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer: CC

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

FB = FB005 - GW
SDG # 480-55391-1

Blank units: ug/L **Associated sample units:** ug/Kg
Sampling date: 2/27/14
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: FB Associated Samples: 10, 11 (ND)

Compound	Blank ID	Sample Identification								
	FB									
L P	0.57									
K	2.0									
L E	0.73									

Blank units: _____ **Associated sample units:** _____
Sampling date: _____
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31574c/a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: FT
2nd Reviewer: CR

METHOD : GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	12 + 13	CC	68 (80-122)	( )	( )	4,5	J/UJ/A (Det)
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
	Tol in sample =	14000,	spiked amt	= 5000	( )		

	Compound	QC Limits (Soil)	RPD (Soil)	QC Limits (Water)	RPD (Water)
H.	1,1-Dichloroethene	59-172%	≤ 22%	61-145%	≤ 14%
S.	Trichloroethene	62-137%	≤ 24%	71-120%	≤ 14%
V.	Benzene	66-142%	≤ 21%	76-127%	≤ 11%
CC.	Toluene	59-139%	≤ 21%	76-125%	≤ 13%
DD.	Chlorobenzene	60-133%	≤ 21%	75-130%	≤ 13%

LDC #: 31574c1a

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and CRQLs

Reviewer: FT
2nd Reviewer: OR

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y N N/A Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Sample ID	Compound	Finding	Qualifications
		4	cc	x1d cal Range	J / A dt
		6	QQQ	↓	↓

Comments: See sample calculation verification worksheet for recalculations

LDC #: 31574c1a

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Page: 1 of 1
Reviewer: FT
2nd Reviewer: Q

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.
Y N N/A Was the overall quality and usability of the data acceptable?

#	Date	Sample ID	Compound	Finding	Qualifications
		4	cc	x'd cal Range	do not use
		5	all except cc	diluted	do not use
		6	QQQ	x'd cal Range	do not use
		7	all except QQQ	diluted	do not use

Comments: _____

LDC #: 31574C1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GCMS 8260C

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 10 std)	Recalculated (RRF 10 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/12/2014	C (IS 1)	0.3771	0.3771	0.3813	0.3813	5.50	5.50
			CC (IS 2)	0.9673	0.9673	0.9702	0.9702	1.60	1.60
			JJJ (IS 3)	1.5298	1.5298	1.4864	1.4864	4.20	4.20

LDC #: 31574C1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: a

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 20:41	2/28/14	C (1st internal standard)	0.3813	0.3426	0.3426	10.1	10.1
			CC (2nd internal standard)	0.9702	0.8689	0.8689	10.4	10.4
			JJJ (3rd internal standard)	1.486	1.457	1.457	2.0	2.0
			(4th internal standard)					
2	CCV 1044	3/3/14	C (1st internal standard)	0.3813	0.3057	0.3057	19.8	19.8
			CC (2nd internal standard)	0.9702	0.8575	0.8575	11.6	11.6
			JJJ (3rd internal standard)	1.486	1.378	1.378	7.3	7.3
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574c1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer: CM

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	25.0	26.0	104	104	0
Toluene-d8	↓	23.9	96	96	↓
Bromofluorobenzene		25.5	102	102	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 31574c1a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSC I * 2/(MSC + MSDC)

MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD sample: 12 v 13

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	-------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	5000	5000	ND	4680 94 F1	4790	94	94	96	96	2	2
Trichloroethene			ND	4810	4920	96	96	98	98	2	2
Benzene			ND	4750	4790	95	95	96	96	1	1
Toluene			13680 14000	17060 17100	17760 17800	68	68	82	82	4	4
Chlorobenzene			ND	4950	5040	99	99	101	101	2	2

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574C/2

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: LCS 480-168125

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	23.7	23.4	95	95	94	94	2	2
Trichloroethene	↓	↓	24.9	24.2	100	100	97	97	3	3
Benzene	↓	↓	23.7	23.4	92	92	93	93	2	2
Toluene	↓	↓	23.4	23.0	94	94	92	92	2	2
Chlorobenzene	↓	↓	24.7	23.9	99	99	96	96	4	4

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574e1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd reviewer: CV

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #5 , To!

Conc. = $\frac{(874302)(25)(200)}{(329380)(0.970)(\quad)(\quad)}$

= 13,679.5 ug/L

≈ 14000

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

USEPA Region II
SW846 Method 8260~~B~~ C VOA

Date: August 2008
SOP: HW-24, Rev. 2

YES NO N/A

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 480-55331-1 LAB: Test America

SITE NAME: Glen Island

1.0 Data Completeness and Deliverables

1.1 Has all data been submitted in CLP deliverable format or CLP Forms Equivalent? ☑ ___ ___

ACTION: If not, note the effect on review of the data in the Data Assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative, and/or cover letter signed release present? ☑ ___ ___

2.2 Are case number and SDG number(s) contained in the narrative or cover letter? ☑ ___ ___

ACTION: If not, note the effect on review of the data in the Data Assessment narrative.

II. VOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Reports, and/or Chain of Custodies from the field samplers present for all samples sign release present? ☑ ___ ___

ACTION: If no, contact the laboratory/sampling team for replacement of missing or illegible copies.

1.2 Is a sampling trip report present (if required)? ☑ ___ ___

1.3 Sample Conditions/Problems

YES NO N/A

1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? ✓ [ ] ___

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated (>10°C), flag all positive results "J" and all non-detects non"UJ".

2.0 Holding Times

2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded? ___ [✓] ___

The maximum holding time for aqueous samples is 14 days.

The maximum holding time for soils non aqueous samples is 14 days.

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with HCL acid to a pH<2 and stored at 4°C, then aqueous samples must be analyzed within 14 days from time of collection. For non-aqueous samples for volatile components that are frozen (less than 7°C) or are properly cooled (4°C ± 2°C) and perserved with $NaHSO_4$, the maximum holding time is 14 days from sample collection. If

YES NO N/A

uncertain about preservation, contact the laboratory /sampling team to determine whether or not samples were preserved.

ACTION: Qualify sample results according to Table 1:

Table 1. Holding Time Actions for Trace Volatile Analysis

Matrix	Preserved	Criteria	Action	
			Detected Associated Compounds	Non-Detected Associated Compounds
Aqueous	No	≤7 days	No qualifications	
	No	> 7 days	J	R
	Yes	≤14 days	No qualifications	
	Yes	> 14 days	J	R
Non Aqueous	No	≤ 14 days	J	R
	Yes	≤ 14 days	No qualifications	
	Yes/No	> 14 days	J	R

3.0 Surrogate Recovery (CLP Form II Equivalent)

3.1 Have the volatile surrogate recoveries been listed on Surrogate Recovery forms for each of the following matrices:

a. Water ☑ ___ ___

b. Soil ☑ ___ ✓

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery forms for each matrix:

a. Water ☑ ___ ___

b. Soil ☑ ___ ✓

ACTION: If large errors exist, deliverables are unavailable or information is missing, document the effect(s) in Data

YES NO N/A

Assessments and contact the laboratory/project officer/appropriate official for an explanation /resubmittal, make any necessary corrections and document effect in the Data Assessment.

3.3 Were the surrogate recovery limits followed per Table 2. If Table 2 criteria were not followed, the laboratory may use in-house performance criteria (per SW-846, Method 8000C, section 9.7). Other compounds may be used as surrogates, depending upon the analysis requirements. [✓] ___ ___

Table 2. Surrogate Spike Recovery Limits for Water and Soil/Sediments

DMC	Recovery Limits (%)Water	Recovery Limits Soil/Sediment
4-Bromofluorobenzene	80-120	70-130
Dibromofluoromethane	80-120	70-130
Toluene-d_8	80-120	70-130
Dichloroethane-d_4	80-120	70-130

Note: Use above table if laboratory did not provide in house recovery criteria.

Note: Other compounds may be used as surrogated depending upon the analysis requirements.

3.4 Were outliers marked correctly with an asterisk? [ ] ___ [✓]

ACTION: Circle all outliers with a red pencil.

3.5 Were one or more volatile surrogate recoveries out of specification for any sample or method blank. Table 2. [ ] [✓] ___

If yes, were samples reanalyzed? [ ] ___ [✓]

Were method blanks reanalyzed? [ ] ___ [✓]

YES NO N/A

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects, but qualify positive results as estimated "J".

If any surrogate has a recovery of < 10%:

1. Positive results are qualified with ("J").
2. Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. The basic concern is whether the blank problems represent an isolated problem with the blank alone or whether there is a fundamental problem with the analytical process. If one or more samples in the batch show acceptable surrogate recoveries, the reviewer may choose the blank problem to be an isolated occurrence.

3.6 Are there any transcription/calculation errors between raw data and reported data? [ ] / ___

ACTION: If large errors exist, take action as specified in section 3.2 above.

4.0 Laboratory Control Sample(Form III/Equivalent)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples of a similar matrix, per SDG. [/] ___ ___

YES NO N/A

Note: LCS consists of an aliquot of a clean (control) matrix similar to the sample matrix and of the same weight or volume.

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

4.2 Were the Laboratory Control Samples analyzed at the required frequency for each of the following matrices:

A. Water [✓] ___ ___

B. Soil [ ] ___ ___ /

C. Med Soil [ ] ___ ___ /

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

4.3 Have in house LCS recovery limits been developed (Method 8000C, Sect 9.7). [✓] ___ ___

4.4 If in house limits are not developed, are LCS acceptance recovery limits between 70 - 130% (Method 8000c Sect 9.5)? [ ] ___ ✓

4.5 Were one or more of the volatile LCS recoveries outside the in house laboratory recovery criteria for spiked analytes? If in house ~~limits~~ are not present use 70 - 130% recovery limits ✓

[ ] ✓ ___

YES NO N/A

Table 3. LCS Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	**Non-Detected Spiked Compounds**
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit ≤ %R	No Qualifications	

5.0 Matrix Spikes(Form III or equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix? ✓ — —

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, Method 8260B, Sect 8.4.2).

5.2 Have MS/MD or MS/MSD results been summarized on modified CLP Form III? ✓ — —

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples

YES NO N/A

of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000C, section 9.5.])

a. Water [✓] ___ ___

b. Waste [ ] ___ ✓

c. Soil/Solid [ ] ___ ✓

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. The concentration of the LCS should be determined as described SW-Method 8000C Section 9.5.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 Have in house MS recovery limits been developed (Method 8000C, Sect 9.7)for each matrix. [✓] ___ ___

5.5 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000C, Sect. 9.5.4. [✓] ___ ___

ACTION: Circle all outliers with a red pencil.

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

YES NO N/A

NOTE: No qualification of data is necessary on MS and MSD data alone. However, using informed professional judgement, the data reviewer may use MS and MSD results in conjunction with other QC criteria to determine the need for some qualification.

Note: The data reviewer should first try to determine to what extent the results of the MS and MSD affect the associated data. This determination should be made with regard to he MS and MSD sample itself, as well as specific analytes for all samples associated with the MS and MSD.

Note: In those instances where it can be determine that the results of the MS and MSD affect only the sample spiked, limit qualification to this sample only. However, it may be determined through the MS and MSD results that a laboratory is having a systematic problem in the analysis of one or more analytes that affect all associated samples, and the reviewer must use professional judgement to qualify the data from all associated samples.

Note: The reviewer must use professional judgement to determine the need for qualification of non-spiked compounds.

ACTION: Follow criteria in Table 4 when professional judgement deems qualification of sample.

Table 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	**Non-Detected Spiked Compounds**
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit ≤ %R	No Qualifications	

YES NO N/A

6.0 Blank (CLP Form IV Equivalent)

6.1 Is the Method Blank Summary form present? [✓] ___ ___

6.2 Frequency of Analysis: Has a method blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch? [✓] ___ ___

6.3 Has a method blank been analyzed for each GC/MS system used ? [✓] ___ ___

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject ® all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.4 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for volatile organic compounds? [✓] ___ ___

7.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary. [ ] ___ ___

YES NO N/A

7.2 Do any field/rinse blanks have positive volatile organic compound results? ✓ [ ] ___

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 5 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 5. Volatile Organic Analysis Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, Field, Trip, Instrument**	Detects	Not detected	No qualification
	< CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	> CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U, or qualify the data as unusable R
		≥ CRQL and ≥ blank contamination	Use professional judgement
	= CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	Gross contam-ination	Detects	Qualify results as unusable R

* 2x the CRQL for methylene chloride, 2-butanone, and acetone

** Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected volatile organic target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

YES NO N/A

7.3 Are there field/rinse/equipment blanks associated with every sample? ☑ ___ ___

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 GC/MS Apparatus and Materials

8.1 Did the lab use the proper gas chromatographic column(s) for analysis of volatiles by Method 8260B? Check raw data, instrument logs or contact the lab to determine what type of column(s) was (were) used. ☑ ___ ___

NOTE: For the analysis of volatiles, the method requires the use of 60 m. x 0.75 mm capillary column, coated with VOCOL(Supelco) or equivalent column. (see SW-846, page 8260B-7, section 4.9.2)

ACTION: If the specified column, or equivalent, was not used, document the effects in the Data Assessment. Use professional judgement to determine the acceptability of the data.

9.0 GC/MS Instrument Performance Check (CLP Form V Equivalent)

9.1 Are the GC/MS Instrument Performance Check forms present for Bromofluorobenzene (BFB), and do these forms list the associated samples with date/time analyzed? ☑ ___ ___

9.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift? ☑ ___ ___

9.3 Has an instrument performance check solution (BFB)

YES NO N/A

been analyzed for every twelve hours of sample analysis per instrument?(see Table 4, SW-846, page 8260B-36) ✓ ___ ___

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS GC/MS tuning data are available.

ACTION: If the laboratory/project officer cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable, "R".

9.4 Have the ion abundances been normalized to m/z 95? ✓ ___ ___

9.5 Have the ion abundance criteria been met for each instrument used? ✓ ___ ___

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, take action as specified in section 3.2.

9.6 Are there any transcription/calculation errors between mass lists and reported values? (Check at least two values but if errors are found, check more.) ___ ✓ ___

9.7 Have the appropriate number of significant figures (two) been reported? ✓ ___ ___

ACTION: If large errors exist, take action as specified in section 3.2.

9.8 Are the spectra of the mass calibration compounds acceptable. ✓ ___ ___

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

YES NO N/A

10.0 Target Analytes (CLP Form I Equivalent)

10.1 Are the Organic Analysis reporting forms present with required header information on each page, for each of the following:

a. Samples and/or fractions as appropriate [✓] ___ ___

b. Matrix spikes and matrix spike duplicates [✓] ___ ___

c. Blanks [✓] ___ ___

d. Laboratory Control Samples [✓] ___ ___

10.2 Are the reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

a. Samples and/or fractions as appropriate [✓] ___ ___

b. Matrix spikes and matrix spike duplicates (Mass spectra not required) [✓] ___ ___

c. Blanks [✓] ___ ___

d. Laboratory Control Samples [✓] ___ ___

ACTION: If any data are missing, take action specified in 3.2 above.

10.3 Is chromatographic performance acceptable with respect to:

Baseline stability? [✓] ___ ___

	YES	NO	N/A
Resolution?	☑	___	___
Peak shape?	☐	___	___
Full-scale graph (attenuation)?	☑	___	___

Other:_____

ACTION: Use professional judgement to determine the acceptability of the data.

10.4 Are the lab-generated standard mass spectra of identified volatile compounds present for each sample? ☑ ___ ___

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the Data Assessment. If spectra are missing, contact the lab for missing spectra.

10.5 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration? ☑ ___ ___

10.6 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? ☑ ___ ___

10.7 Do the relative intensities of the characteristic ions in the sample agree within ± 30% of the corresponding relative intensities in the reference spectrum? ☑ ___ ___

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected ("R"), flagged ("N") - Presumptive evidence of the presence of the compound) or changed to non detected ("U") at the calculated detection limit. In order to be

YES NO N/A

positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

11.0 Tentatively Identified Compounds (TIC) (CLP Form I/TIC Equivalent)

11.1 If Tentatively Identified Compound were required for this project, are all Tentatively Identified Compound reporting forms present; and do listed TICs include scan number or retention time, estimated concentration and a qualifier? [ ] ___ ✓

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

11.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

a. Samples and/or fractions as appropriate [ ] ___ ✓

b. Blanks [ ] ___ ✓

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 3.2 above.

YES NO N/A

11.3 Are any priority pollutants listed as TIC compounds (i.e., an BNA compound listed as a VOA TIC)? [ ] ___ ___

ACTION: 1. Flag with "R" any target compound listed as a TIC.

2. Make sure all rejected compounds are properly reported if they are target compounds.

11.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? [ ] ___ ___

11.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%? [ ] ___ ___

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO_2(M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related byproducts).

12.0 Compound Quantitation and Reported Detection Limits

12.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found? [ ] ___ ___

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be

YES NO N/A

reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

12.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture? ✓ ___ ___

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC accedence dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

13.0 Standards Data (GC/MS)

13.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration? ✓ ___ ___

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

14.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

YES NO N/A

14.1 Are the Initial Calibration reporting forms present and complete for the volatile fraction? ☑ ___ ___

ACTION: If any calibration forms or standard raw data are missing, take action specified in section 3.2 above.

ACTION: If the percent relative standard deviation (% RSD) is > 20%, (8000C-39)qualify positive results for that analyte "J". When % RSD > 90%,. Qualify all positive results for that analyte "J" and all non-detects results for that analyte "R".

14.2 Are all average RRFs > 0.050? ☑ ___ ___

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be ≥ the values in the following list. If individual RRF values reported are below the listed values document in the Data Assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 5 compounds in 14.2 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

14.3 Are response factors stable over the concentration range of the calibration. ☑ ___ ___

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be ≤ 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment.

YES NO N/A

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 20.0%, or > 30% for the 6 compounds in 14.3 above, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

14.4 Was the % RSD determined using RRF or CF? [✓] ___ ___

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

14.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.) [ ] ✓ ___

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in section 3.2 above.

15.0 GC/MS Calibration Verification (CLP Form VII Equivalent)

YES NO N/A

15.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest? [✓] ___ ___

15.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument? [✓] ___ ___

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

NA

ACTION: If any forms are missing or no calibration verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R").

15.3 Was the % D determined from the calibration verification determined using RRF or CF? [✓] ___ ___

If no, what method was used to determine the calibration verification? Document any effects to the case in the Data Assessment.

15.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2). [✓] ___ ___

NOTE: (Method Requirement) For the following CCC compounds, the %D values must be ≤ 20.0%. If %D values reported are > 20.0% document in the Data Assessment.

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

YES NO N/A

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated, "J". When %D is above 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

15.5 Do any volatile compounds have a RRF < 0.05? [ ] [✓] [ ]

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be ≥ the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, or < the requirements for the 5 compounds is section 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

16.0 Internal Standards (CLP Form VIII Equivalent)

16.1 Are the internal standard (IS) areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)? [✓] [ ] [ ]

YES NO N/A

ACTION: If errors are large or information is missing, take action as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area Lower Limit	Area Upper Limit

(Attach additional sheets if necessary.)

ACTION: 1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.

2. Do not qualify non-detects when the associated IS are counts area > + 100%.

3. If the IS area is below the lower limit (< -50%), qualify all associated non-detects (U-values) "J".

4. If extremely low area counts are reported (< -25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".

16.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)? [X] ___ ___

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

YES NO N/A

17.0 Field Duplicates

17.1 Were any field duplicates submitted for volatile analysis? [ ] / ___

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the Data Assessment. However, if large differences exist, take action specified in section 3.2 above.

LDC #: 31574C2a **VALIDATION COMPLETENESS WORKSHEET** Date: 4/9/14
SDG #: 480-55331-1 Cat A/Cat B Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: FJ
2nd Reviewer: ar

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/26 - 2/27/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. % RSD ≤ 20, r²
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. ICV ≤ 30, CCV ≤ 20
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	N	client specified
VIII.	Laboratory control samples	A	LCS ID
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	SW	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Result < RL = J
XIII.	Tentitatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	SW	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	FB = 7, ~~FB031 (SDG# 480-55330-1)~~ FB= ~~FB032~~, FB005-GW (SDG# 480-55391-1)

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	GM-11 ** (water)	11	MB 480-168117	21		31	
2	CC-C-048-GW **	12		22		32	
3	CC-C-028-GW **	13		23		33	
4	CC-C-051-GW ** 200X	14		24		34	
5	CC-C-051-GWDL ** 1000X	15		25		35	
6	LT-C-054-GW **	16		26		36	
7	FB004-GW	17		27		37	
8	LT-G-010-GW **	18		28		38	
9	CC-C-001-GW **	19		29		39	
10		20		30		40	

#4 + #5 were diluted due to exceedance of target analyte

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

PRY

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU.Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV.Benzonaphthothiophene	OOOO.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW.Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC #: 31574C 2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	3/3/14	CCV	BBB	29.9		1-3, 6, 8, 9	J/UJ/A (ND)
	11:23					MB 480-168117	
	3/4/14	CCV	OO	21.2		4, 5	J/UJ/A (ND)
	0510						
	3/4/14	CCV	KKK	28.0		↓	↓ (ND)
	0533		BBB	26.6			

CONCAL.wpd

LDC #: 31574C2a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer: CL

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank analyzed for each matrix?
Y N N/A Was a method blank analyzed for each concentration preparation level?
Y N N/A Was a method blank associated with every sample?
Y N N/A Was the blank contaminated? If yes, please see qualification below.

Blank extraction date: 2/28/14 **Blank analysis date:** 3/3/14
Conc. units: ug/L Associated Samples: All

Compound	Blank ID								
	MB 480-168117	2	3	~~4 (200X)~~	8	9			
EEE	1.86	4.4 /5.1 U	3.0 /5.1 U		(16)	(14)			
AAA	0.54 U	0.56 /5.1 U	0.57 /5.1 U						

Blank extraction date: _____ **Blank analysis date:** _____
Conc. units: _____ Associated Samples: _____

Compound	Blank ID								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 31574c2a

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer: cr

~~FB = FB03~~ 1
~~SDG # 480-55330-1~~ cr

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?
Blank units: ug/L **Associated sample units:** ~~ug/kg~~ ug/L
Sampling date: 2/26/14
Field blank type: (circle one) Field Blank / Rinsate / Other: FB Associated Samples: 1 → 6, ~~8~~, 9 cr

Compound	Blank ID	Sample Identification								
	~~FB03~~ 1	7	1	2	3	6	~~8~~	9		
XX	~~0.34~~	0.45	0.54 | 5.0U	0.77 | 5.1U	0.68 | 5.1U	0.55 | 5.2U	0.31 | 4.9U	0.45 | 5.1U		
W		2.1		0.62 | 5.1U	2.2 | 5.1U	1.6 | 5.2U	-			
GG		1.1		0.53 | 5.1U	2.3 | 5.1U	1.7 | 5.2U	-			
JJ		0.67			1.3 | 10U	1.1 | 10U	-			
NN		0.52		0.54 | 5.1U	1.4 | 5.1U	1.2 | 5.2U	-			
S		2.5			2.5 | 5.1U	1.4 | 5.2U	-			
UU		1.0		3.0 | 5.1U	3.9 | 5.1U	2.8 | 5.2U	~~0.50 | 4.9U~~	~~0.46 | 5.1U~~ cr		

Blank units: _____ **Associated sample units:** _____
Sampling date: _____
Field blank type: (circle one) Field Blank / Rinsate / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31574C2a

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer: OK

~~FB_1 = FB032-GW~~
FB_2 = FB005-GW > SDG # 480-55391-1

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were field blanks identified in this SDG?

Y N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/L

Sampling date: 2/27/14

Field blank type: (circle one) Field Blank / Rinsate / Other: FB Associated Samples: 8, 9

Compound	Blank ID	Blk ID		Sample Identification						
	~~FB1~~	FB_2		8	9					
JJJ	1.2	1.2								
LLL	0.27	0.26								
AAA	0.42	0.47								
XX	4Ua	1.4		0.31/4.9U	0.45/5.1U					
W		0.74								
GG		0.47								
JJ		0.82								
YY		0.37		0.50/4.9U	0.44/5.1U					

Blank units: ↓ **Associated sample units:** ↓

Sampling date: ↓

Field blank type: (circle one) Field Blank / Rinsate / Other: FB Associated Samples: 8, 9

Compound	Blank ID			Sample Identification						
	~~FB1~~	FB_2		8	9					
NN		0.62								
UU		1.2		0.50/4.9U	0.46/5.1U					

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31574C2a

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were percent recoveries (%R) for surrogates within QC limits?
Y N (N/A) If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?
Y N (N/A) If any %R was less than 10 percent, was a reanalysis performed to confirm %R?

#	Date	Sample ID	Surrogate	%R (Limits)	Qualifications
		4	surrogates were outside limit	( )	no qual 200 x DL
				( )	
		5	↓	( )	↓ 1000 x DL
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

(NBZ) = Nitrobenzene-d5
(FBP) = 2-Fluorobiphenyl
(TPH) = Terphenyl-d14
(PHL) = Phenol-d5
(2FP)= 2-Fluorophenol
(TBP) = 2,4,6-Tribromophenol
(2CP) = 2-Chlorophenol-d4
(DCB) = 1,2-Dichlorobenzene-d4

LDC #: 31574C2a

VALIDATION FINDINGS WORKSHEET
Internal Standards

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Were all internal standard area counts within -50 to +100 of the associated calibration standard?
Y N N/A Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

#	Date	Sample ID	Internal Standard	Area (Limits)	RT (Limits)	Qualifications
		1	PRY	697377 (722666 - 2890662)	(ND)	J/UJ/P see list
		2	↓	667874 (↓)	(Det/ND)	
		3	↓	698363 (↓)	↓	
		6	↓	616853 (↓)	(ND)	
		8	↓	567967 (↓)	(Det/ND)	
		9	↓	574010 (↓)	↓	↓

* QC limits are advisory
IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

LDC #: 31574 c2a

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported RLs

Page: 1 of 1
Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y N N/A Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Compound	Finding	Associated Samples	Qualifications
		W, GG, JJ, YY, NN, UU, ZZ	x'd cal Range	4	J/A dil

Comments: See sample calculation verification worksheet for recalculations

LDC #: 31574C2a

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Y N N/A Was the overall quality and usability of the data acceptable?

#	Date	Compound Name	Finding	Associated Samples	Qualifications
		W, GG, JJ, YY, NN, UU, ZZ	x'd cal Range	4	Do not use
		all except above	diluted	5	↓

Comments: _____

LDC #: 31574c2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: CM

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound		Reported (RRF 2 std)	Recalculated (RRF 2 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/27/2014	Phenol	(IS1)	2.0259	2.0259	1.8223	1.8223	13.00	13.00
	Inst W		Nitrobenzene	(IS2)	0.4100	0.4100	0.3945	0.3945	4.70	4.70
			Acenaphthene	(IS3)	1.2020	1.2020	1.1231	1.1231	6.30	6.30
			Pentachlorophenol	(IS4)	0.1292	0.1292	0.1294	0.1294	15.00	15.00
			Pyrene	(IS5)	1.1864	1.1864	1.0840	1.0840	6.90	6.90
			Benzo(k)Flouranthene	(IS6)	1.2589	1.2589	1.1596	1.1596	10.0	10.0

LDC #: 31574c2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GCMS 8270D

The calibration factors (RRFF), average RRFF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

RRF = (Ax)(Cis)/(Ais)(Cx)
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

Where:

Ax = Area of compound
Cx = Concentration of compound
S = Standard deviation of the RRFs
X = Mean of the RRFs
Ais = Area of associated internal standard
Cis = Concentration of internal Standard

#	Standard ID	Calibration Date	Compound	Reported (RRF 2 std)	Recalculated (RRF 2 std)	Reported AverageRRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/27/2014	Benzaldehyde (IS1)	1.1731	1.1731	1.1331	1.1331	8.70	8.70
	Inst W		Caprolactam (IS2)	0.0945	0.0945	0.0953	0.0953	9.90	9.90
			Atrazine (IS3)	0.2931	0.2931	0.2915	0.2915	10.00	10.00
			N-Nitrosodiphenylamine (IS4	0.4885	0.4885	0.4885	0.4885	6.90	6.90
			3,3'- Dichlorbenzidine (IS5)	0.2639	0.2639	0.2837	0.2837	13.00	13.00

LDC #: 31574C2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = $(A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 1059	3/3/14	Phenol (1st IS)	1.8223	1.678	1.678	7.9	7.9
			Nitrobenzene (2nd IS)	0.3945	0.3750	0.3750	4.9	4.9
			Acenapnthene (3rd IS)	1.1231	1.148	1.148	2.2	2.2
			Pentachlorophenol (4th IS)	0.1294	0.1171	0.1171	9.6	9.6
			Pyrene (5th IS)	1.0840	1.067	1.067	1.6	1.6
			Benzo(k)Fluoranthene (6th IS)	1.1596	1.160	1.160	0	0
2	CCV 1123	3/3/14	Benzaldehyde (1st IS)	1.1331	1.069	1.069	5.6	5.6
			Caprolactam (2nd IS)	0.0953	0.0994	0.0994	4.3	4.3
			Atrazine (3rd IS)	0.2915	0.3160	0.3160	8.4	8.4
			N-Nitrosodiphenylamine (4th IS)	0.4885	0.4942	0.4942	1.2	1.2
			3,3'-Dichlorobenzidine (5th IS)	0.2837	0.3686	0.3686	29.9	29.9
			(6th IS)					
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574 CQa

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Internal Standard)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	CCV 0510	3/4/14	Phenol (1st IS)	1.8223	1.640	1.640	10.0	10.0
			Nitrobenzene (2nd IS)	0.3945	0.3750	0.3750	4.9	4.9
			Acenaphthene (3rd IS)	1.1231	1.172	1.172	4.3	4.3
			Pentachlorophenol (4th IS)	0.1294	0.1401	0.1401	8.3	8.3
			Pyrene (5th IS)	1.0840	1.061	1.061	2.1	2.1
			Benzo(k)Fluoranthene (6th IS)	1.1596	1.168	1.168	0.7	0.7
2	CCV 0533	3/4/14	Benzaldehyde (1st IS)	1.1331	0.995	0.995	12.2	12.2
			Caprolactam (2nd IS)	0.0953	0.1081	0.1081	13.5	13.5
			Atrazine (3rd IS)	0.2915	0.3731	0.3731	28.0	28.0
			N-Nitrosodiphenylamine (4th IS)	0.4885	0.5042	0.5042	3.2	3.2
			3,3'-Dichlorobenzidine (5th IS)	0.2837	0.3593	0.3593	26.6	26.6
			(6th IS)					
3			(1st IS)					
			(2nd IS)					
			(3rd IS)					
			(4th IS)					
			(5th IS)					
			(6th IS)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574c2a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT
2nd reviewer: CN

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	8.0	6.23	78	78	0
2-Fluorobiphenyl		6.95	87	87	
Terphenyl-d14		7.82	98	98	
Phenol-d5		3.15	39	39	
2-Fluorophenol		4.31	54	54	
2,4,6-Tribromophenol		7.73	97	97	
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 31574c2a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: wstD 480-168117

Compound	Spike Added (ug/L)		Spike Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
Phenol	32.0	32.0	16.0	15.8	50	50	49	49	1	1
N-Nitroso-di-n-propylamine	↓	↓	27.7	27.3	87	87	85	85	1	1
4-Chloro-3-methylphenol			28.9	29.5	90	90	92	92	2	2
Acenaphthene			29.6	29.5	92	92	92	92	0	0
Pentachlorophenol			61.1	61.1	95	95	95	95	0	0
Pyrene			29.2	29.2	91	91	91	91	0	0

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574C2a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT
2nd reviewer: [signature]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #4 , 5 :

Conc. = $\frac{(3388606)(4)(1)(20)(1000)}{(1048338)(0.949)(237.6)}$

= 11148 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

YES NO N/A

E - The concentration of this analyte exceeds the calibration range of the instrument.

A - Indicates a Tentatively Identified Compound (TIC) is a suspected adol-condensation product.

X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 480-55331-1 LAB: Test America

SITE NAME: Glen Island

1.0 Data Completeness and Deliverables

1.1 Has all data been submitted in CLP deliverable format? [✓] ___ ___

ACTION: If not, note the effect on review of the data in the data assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative or cover letter present? [✓] ___ ___

2.2 Are case number and SDG number(s) contained in the narrative or cover letter? [✓] ___ ___

	YES	NO	N/A

II. SEMIVOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Report Forms present for all samples? | ✓ | | |

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? | ✓ | | |

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, all non-detects data are qualified as unusable (R), and detects are flagged "J".

ACTION: If samples were not iced, or if the ice was melted upon arrival at the laboratory and the cooler temperature was elevated (10°C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any semivolatile technical holding times, determined from date of collection to date of extraction, been exceeded? | | ✓ | |

Continuous extraction of water samples for semivolatile analysis must be started within **7** days of the date of collection. Soil/sediment samples must be extracted within **14** days of collection. Extracts must be analyzed within

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

Sample ID	Sample Matrix	Date Sampled	Date Lab Received (See Traffic Report)	Date Extracted	Date Analyzed

ACTION: If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

	YES	NO	N/A
3.0 Surrogate Recovery (Form II/Equivalent)			
3.1 Have the semi volatile surrogate recoveries been listed on CLP Surrogate Recovery forms (Form II) for each of the following matrices:			
a. Low Water	[✓]	___	___
b. Low/Med Soil	[✓]	___	___
3.2 If so, are all the samples listed on the appropriate Surrogate Recovery Summary forms for each matrix:			
a. Low Water	[✓]	___	___
b. Low/Med Soil	[✓]	___	___
ACTION: If CLP deliverables are unavailable, document the effect(s) in data assessments. In some cases the lab may have to be contacted to obtain the data necessary to complete the validation.			
3.3 Were outliers marked correctly with an asterisk?	[✓]	___	___
ACTION: Circle all outliers in red.			
3.4 Were two or more base neutral OR acid surrogate recoveries out of specification for any sample or method blank (Reviewer should use lab in house recovery limits. Use surrogate recovery limits from USEPA National Functional Guidlines January 2005 page 130, if in house limits are not available. See Method 8000B-43 or 80000C-24).	[ ]	[✓]	___
Note: Examine lab in house limits for reasonableness.			
If yes, were samples re-analyzed?	[ ]	___	[✓]

	YES	NO	N/A
Were method blanks re-analyzed?	[ ]	___	✓

ACTION: If all surrogate recoveries are > 10% but two within the base-neutral or acid fraction do not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):

1. Flag all positive results as estimated ("J").

2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.

3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects.

If any base-neutral or acid surrogate has a recovery of < 10%:

1. Positive results for the fraction with < 10% surrogate recovery are qualified with "J".

2. Non-detects for that fraction should be qualified as unusable (R) .

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. Check the internal standard areas.

3.5 Are there any transcription/calculation errors between raw data and Form II?	___	[✓]	___

ACTION: If large errors exist, call lab for explanation/resubmittal, make any necessary corrections and document

YES NO N/A

effect in data assessments.

4.0 Matrix Spikes (Form III/Equivalent)

4.1 Have the semivolatile Matrix Spike and Matrix Spike Duplicate/or duplicate unspiked Sample recoveries been listed on the Recovery Form (Form III)? [ ] ___ ✓

NOTE: Method 3500B/page 4 states the spiking compounds:

Base/neutrals	Acids
1,2,4-Trichlorobenzene	Pentachlorophenol
Acenaphthene	Phenol
2,4-Dinitrotoluene	2-Chlorophenol
Pyrene	4-Chloro-3-methylphenol
N-Nitroso-di-n-propylamine	4-Nitrophenol
1,4-Dichlorobenzene	

Note: Some projects may require the spiking of specific compounds of interest.

Note: See Method 8270D-sec 8.4.2 for deciding on whether to prepare and analyze duplicate samples or a martix spike/matrix spike duplicate. If samples are expected to contain target analytes, then laboratory may use one matrix spike and a duplicate analysis of an unspiked field sample. If samples are not expected to contain target analytes, laboratory should use a matrix spike and matrix spike duplicate pair.

4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:

a. Low Water [ ] ___ ✓

b. Low Solid [ ] ___ ✓

c. Med Solid [ ] ___ ✓

YES NO N/A

ACTION: If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE: If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/l for base compounds (Method 3500B-4), or those specified in project plan. [ ] ___ ___

4.4 How many semivolatile spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

Water

____ out of ____

Solids

____ out of ____

YES NO N/A

4.5 How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?

Water	Solids
____ out of ____	____ out of ____

ACTION: Circle all outliers with red pencil.

ACTION: No action is taken on MS/MSD data alone. However, using informed professional judgement, the data reviewer may use the matrix spike and matrix spike duplicate results in conjunction with other QC criteria to determine the need for some qualification of the data.

4.6 Was a Laboratory Control Sample (LCS) analyzed with each analytical batch? [✓] ___ ___

NOTE: When the results of the matrix spike analysis indicate a potential problem due to the sample matrix itself, the LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

5.0 Blanks (Form IV/Equivalent)

5.1 Is the Method Blank Summary (Form IV) present? [✓] ___ ___

5.2 Frequency of Analysis:

Has a reagent/method blank analysis been reported per 20 samples of similar matrix, or concentration level, and for each extraction batch? [✓] ___ ___

5.3 Has a method blank been analyzed either after

	YES	NO	N/A
the calibration standard or at any other time during the analytical shift for each GC/MS system used ?	✓		

ACTION: If any method blank data are missing, call lab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra. Is the chromatographic performance (baseline stability) for each instrument acceptable for the semivolatiles?	✓		

ACTION: Use professional judgement to determine the effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.	✓	✓	FM
6.2 Do any field/rinse/ blanks have positive results for target analytes and/or TICs (if required, see section 10 below)?	✓		

YES NO N/A

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case) must be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field Blanks must be qualified for outlying surrogates, poor spectra, instrument performance or calibration QC problems.

ACTION: Follow the directions in the table below to qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all data in the associated samples should be qualified as unusable (R).

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Field	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	> CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample? ☑ ___ ___

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

	YES	NO	N/A
that exceeded the initial calibration range.	[ ]	✓	✓
6.5 Does the instrument blank have positive results for target analytes and/or TICs?	___	[ ]	✓

Note: Use professional judgement to determine if carryover occurred and qualify analytes accordingly.

7.0 GC/MS Apparatus and Materials

7.1 Did the lab use the proper gas chromatographic column for analysis of semivolatiles by Method 8270D? Check raw data, instrument logs or contact the lab to determine what type of column was used. The method requires the use of 30 m x 0.25 mm ID (or 0.32 mm ID), silicone-coated, fused silica, capillary column.	✓	___	___

ACTION: If the specified column, or equivalent, was not used, document the effects in the data assessment. Use professional judgement to determine the acceptability of the data.

8.0 GC/MS Instrument Performance Check (Form V/Equivalent)

8.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for decafluorotriphenylphosphine (DFTPP)?	✓	___	___

NOTE: The performance solution should also contain 4,4-DDT, pentachlorophenol, and benzidine to verify injection port inertness and column performance. The degradation of DDT to DDE and DDD must be less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (based upon lab experience) and show no peak degradation or tailing before samples are analyzed. (see section 5.5

	YES	NO	N/A

page 8270D-12).

8.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve hour shift? [✓] ___ ___

8.3 Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument? [✓] ___ ___

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS tuning data are available.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS

ACTION: If lab cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable (R).

8.4 Have the ion abundances been normalized to m/z 198? [✓] ___ ___

8.5 Have the ion abundance criteria been met for each instrument used? [✓] ___ ___

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

	YES	NO	N/A
ACTION: If ion abundance criteria are not met, take action specified in section 3.2			
8.6 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values but if errors are found, check more.)	___	[✓]	___
8.7 Have the appropriate number of significant figures (two) been reported?	[✓]	___	___
ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.			
8.8 Are the spectra of the mass calibration compound acceptable?	[✓]	___	___
ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.			
9.0 Target Analytes			
9.1 Are the Organic Analysis Data Sheets (Form I) present with required header information on each page, for each of the following:			
a. Samples and/or fractions as appropriate	[✓]	___	___
b. Matrix spikes and matrix spike duplicates	[✓]	___	___
c. Blanks	[✓]	___	___
9.2 Has any special cleanup, such as GPC, been performed on all soil/sediment sample extracts (see section 7.2, page 8270D-14)?	[ ]	[✓]	___

	YES	NO	N/A

ACTION: If data suggests that extract cleanup was not performed, use professional judgement. Make note in the data assessment narrative.

9.3 Are the Reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

a. Samples and/or fractions as appropriate	[✓]	___	___
b. Matrix spikes and matrix spike duplicates (Mass spectra not required)	[✓]	___	___
c. Blanks	[✓]	___	___

ACTION: If any data are missing, take action specified in 3.2 above.

9.4 Are the response factors shown in the Quant Report? [✓] ___ ___

9.5 Is chromatographic performance acceptable with respect to:

Baseline stability?	[✓]	___	___
Resolution?	[✓]	___	___
Peak shape?	[✓]	___	___
Full-scale graph (attenuation)?	[✓]	___	___
Other:_____	[ ]	___	___

ACTION: Use professional judgement to determine the acceptability of the data.

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

	YES	NO	N/A
each sample?	✓		

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the data assessment narrative. If spectra are missing, reject all positive data.

9.7 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	✓		
9.8 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?	✓		
9.9 Do the relative intensities of the characteristic ions in the sample agree within ± 30% of the corresponding relative intensities in the reference spectrum?	✓		

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected (R), flagged "N" (Presumptive evidence of the presence of the compound) or changed to not detected (U) at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 9.7, 9.8, and 9.9.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

YES NO N/A

10.0 Tentatively Identified Compounds (TIC)

10.1 If Tentatively Identified Compounds were required for this project, are all Form Is, Part B present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?

NOTE: Review sampling reports to determine if the lab was required to identify non target analytes (refer to section 7.6.2,page 8270D-21).

10.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following: [ ] ___ ✓

a. Samples and/or fractions as appropriate [ ] ___ ✓

b. Blanks [ ] ___ ✓

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by CAS #.

10.3 Are any target compounds from one fraction listed as TIC compounds in another (e.g., an acid compound listed as a base neutral TIC)? ___ [ ] ✓

ACTION: i. Flag with "R" any target compound listed as a TIC.

ii. Make sure all rejected compounds are properly reported in the other fraction.

10.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the

	YES	NO	N/A
sample mass spectrum?	[ ]	___	✓
10.5 Do TIC and "best match" standard relative ion intensities agree within ± 20%?	[ ]	___	✓

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate and remove "JN". Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R."

11.0 Compound Quantitation and Reported Detection Limits

11.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and RRF were used to calculate Form I result. Were any errors found?	___	[✓]	___

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

11.2 Are the method detection limits adjusted to reflect sample dilutions and, for soils, sample moisture?	[✓]	___	___

YES NO N/A

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC exceedance dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red " X" across the entire page of all Form I's that should not be used, including any in the summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration? [✓] ___ ___

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

13.1 Is the Initial Calibration Form (Form VI/ Equivalent) present and complete for the semivolatile fraction? [✓] ___ ___

ACTION: If any calibration forms or standard row data are missing, take action specified in 3.2 above.

13.2 Are all base neutral or acid RRFs > 0.050? [✓] ___ ___

YES NO N/A

Check the **average RRFs** of the four System Performance Check Compounds (SPCCs): N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol. These compounds must have **average RRFs** greater than or equal to 0.05 before running samples and should not show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with **average RRF <0.05**

1. "R" all non-detects;

2. "J" all positive results.

13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)? ✓ — —

NOTE: The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If grater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective action taken, then "J" qualify all positive hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is ≥ 20.0%, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

13.4 Did the laboratory calculate the calibration curve by the least squares regression fit? ✓ [ ] ___

13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.) ___ [✓] ___

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides? [ ] ✓ ___

	YES	NO	N/A
13.6 If the pesticide compounds include DDT, was the percent breakdown of DDT to DDD and DDE greater than 20%?	___	[ ]	✓

ACTION: If DDT percent breakdown exceeds 20%:

i. Qualify all positive results for DDT with "J". If DDT was not detected, but DDD and DDE results are positive, qualify the quantitation limit for DDT as unusable, "R".

ii. Qualify all positive results for DDD and DDE as presumptively present at an approximate concentration "JN".

14.0 GC/MS Calibration Verification (Form VII/Equivalent)

14.1 Are the Calibration Verification Forms (Form VII) present and complete for all compounds of interest?	[✓]	___	___
14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument?	[✓]	___	___

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

_____

_____

_____

ACTION: If any forms are missing or no calibration verification standard has been analyzed within twelve hours of every sample analysis,

	YES	NO	N/A
call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").			
14.3 Do any of the SPCCs have an RRF <0.05?	___	[✓]	___
If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18.	[ ]	___	✓
14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%?			
ACTION: If yes, make a note in data assessment.			
14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%?	✓	[ ]	___
ACTION: Circle all outliers in red.			
ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.			
14.6 Do any semivolatile compounds have a RRF < 0.05?	___	[✓]	___
ACTION: Circle all outliers in red.			
ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.			
14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).	___	[✓]	___

YES NO N/A

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect(s) in the data assessments.

15.0 Internal Standards (Form VIII)

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration? 1.1 ✓

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit
see worksheet				

(Attach additional sheets if necessary.)

Note: Check Table 5, 8270D-41 for associated analytes.

ACTION: i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.

ii. Non-detects associated with IS > 100% should not be qualified.

YES NO N/A

iii. If the IS area is below the lower limit (<50%), qualify all associated non-detects (U-values) "J". If extremely low area counts are reported (<25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable (R).

15.2 Are the retention times of all internal standards within 30 seconds of the associated calibration standard? [✓] ___ ___

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

16.0 Laboratory Control Samples (LCS)

16.1 Were any LCS samples run in order to verify analytes which failed criteria for spike recovery? [✓] ___ ___

16.2 Did the lab spike LCS sample spiked with the same analytes and the same concentrations as the matrix spike? [✓] ___ ___

16.3 Were the mean and standard deviation of all analytes within the QC acceptance ranges as shown in Table 6, 8270D-43? [✓] ___ ___

ACTION: If the recovery of any analyte falls out of the designated range, the analytical results for that compound is suspect and should be qualified "J" in the unspiked samples.

17.0 Field Duplicates

17.1 Were any field duplicates submitted for semivolatile analysis? [✓] ___ ___

YES NO N/A

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

LDC #: 31574C3b
SDG #: 480-53391-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Cat A/Cat B

Date: 4/7/14
Page: 1 of 1
Reviewer: EZ
2nd Reviewer: OR

METHOD: GC Polychlorinated Biphenyls (EPA SW 846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/27/14
II.	GC Instrument Performance Check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. % RSD ≤ 20
IV.	Continuing calibration/ICV	A	Not reviewed for Cat A review. ICV/CCV ≤ 20
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	client specified
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional quality assurance and quality control	N	
X.	Florisil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	A	Not reviewed for Cat A review.
XIV.	Overall assessment of data	A	
XV.	Field duplicates	N	
XVI.	Field blanks	ND	FB = FB005-GW SDG # 480-53391-1

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	LT-G-010-GW (water) **	11	MB 480 168565	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG.
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH.
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II.
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ.
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. DB 608	KK.
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. DB 1701	LL.
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE.	MM.
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF.	NN.

Notes:_____

_____

_____

LDC #: 31574 c3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: CZ

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (0.20 std)	Recalculated CF (0.20 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL ZB5	12/3/13	PCB 1260-1	619055	619055	5990045	5990045	8.8	8.8
2	ZB35		↓	1165805	1165805	11610774	11610743	4.3	4.3
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574c36

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: PR
2nd Reviewer:

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV 6:57	3/5/14	PCB 1260-1 ZB-5	0.500	0.482	0.482	3.5	3.5
			↓ ZB-35	0.500	0.482	0.482	3.5	3.5
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574C36

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FR
2nd reviewer: FR

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ZB-5	0.02	0.0186	93	93	0
PCB	↓	↓	0.012 J	62	62	J
↓	ZB-35		0.0194	97	97	0
	↓	↓	0.0150	75	75	J

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

LDC #: 31574c36

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: F2
2nd Reviewer: 02

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: lcs ID 480-168565

Compound	Spike Added (ug/L)		Spike Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)										
Diesel (8015)										
Benzene (8021B)										
Methane (RSK-175)										
2,4-D (8151)										
Dinoseb (8151)										
Naphthalene (8310)										
Anthracene (8310)										
HMX (8330)										
2,4,6-Trinitrotoluene (8330)										
PCB 1260	4.0	4.0	5.22	5.16	131	131	129	129	1	1

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31574 c3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: EJ
2nd Reviewer: CR

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. LCS Compound Name PCB 1260

Concentration = $\frac{0.6525\ (2)\ (1000)}{(250)}$

= 5.22 ug/L

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications
	PCB 1260-1	$\frac{427587}{599004.5}$ = 0.7138	1260-1 = 0.7138	1260-1 = 0.7138	
				2 = 0.6734	
				3 = 0.6455	
				4 = 0.5773	
				Ave = 0.6525	

Comments:

Yes NO N/A

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 31574C SDG# 480-55331-1

LAB: Test America SITE: Glen Island

1.0 Data Completeness and Deliverables

1.1 Has all the data been submitted in CLP deliverable format? ☑ ___ ___

1.2 Have any missing deliverables been received and added to the data package? ☑ ___ ___

ACTION: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative or cover letter present? ☑ ___ ___

2.2 Are the case number and/or SDG number contained in the narrative or cover letter? ☑ ___ ___

3.0 Data Validation Checklist

3.1 Does this data package contain:

Water data? ✓ ___

Waste data? ___ ✓

Soil/solid data? ___ ✓

POLYCHLORINATED BIPHENYLS

1.0 Traffic Reports and Laboratory Narrative

1.1 Are traffic report and chain-of-custody forms present for all samples? ☑ ___ ___

Yes NO N/A

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data? ✓ [ ] ___

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, non detects shall be qualified as unusable, "R."

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any PCB technical holding times, determined from date of collection to date of extraction, been exceeded? ___ [✓] ___

Water and waste samples for PCB analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction. Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: If technical holding times are exceeded, flag all positive results as estimated, "J," and sample quantitation limits "UJ" and document in the narrative that holding times were exceeded. If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re-analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all the data should at least be

Yes NO N/A

qualified "J", but the reviewer may determine that non-detects are unusable,"R." (Table 1)

Table 1. Holding Time Criteria

Matrix	Preserved	Criteria	Action	
			Detected compounds	Non-detected compounds
Aqueous	No	≤ 7 days(extraction) ≤ 40 days(analysis)	J*	UJ*
	No	> 7 days(extraction) > 40 days(analysis)	J	UJ
	Yes	≤ 7 days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 7 days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R
Non-aqueous	No	≤ 14days(extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 14days(extraction) >40 days(analysis)	J	UJ
	Yes	≤ 14days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 14days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days(gross exceedance)	J	R

* only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a. Water/Waste ☑ ___ ___

	Yes	NO	N/A
b. Soil/Solid	[ ]	___	✓

3.2 Are all the PCB samples listed on the appropriate surrogate recovery form for each of the following matrices?

a. Water	✓	___	___
b. Waste	[ ]	___	✓
c. Soil/Solid	[ ]	___	✓

ACTION: Call lab for explanation/resubmittals. If missing deliverables are unavailable, document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks? lab limits ✓ ___ ___

Note: Reviewer shall use lab in-house recovery limits, if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate criteria, Table 2.

Note: DCB is used when PCBs are determined as Aroclors. DCB is the internal standard when determining PCB congeners and TCMX the surrogate.

3.4 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis? ✓ ___ ___

ACTION: Follow surrogate criteria, Table 2.

Table 2. Surrogate Recovery Criteria

Criteria	Action	
	Detected Target Compounds	Non-detected Target Compounds
%R > 200%	J	Use professional judgement

Yes NO N/A

150% < %R ≤ 200%	J	No qualification
30% ≤ %R ≤ 150%	No qualification	
10% ≤ %R < 30%	J	UJ
%R < 10% (sample dilution not a factor)	J	R
%R < 10% (sample dilution is a factor)	Use professional judgement	
RT out of RT window	Use professional judgement	
RT within RT window	No qualification	

3.6 Are there any transcription/calculation errors between raw data and Form II? [ ] ✓ ___

ACTION: If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 Laboratory Control Sample (LCS)

4.1 Are raw data and percent recoveries present for all Laboratory Control samples as required by Method 8000B (section 8.5) and Method 8082A (section 8.4.2)? ✓ ___ ___

Verify that QC check samples were extracted and analyzed by the same procedures used for the actual samples.

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation/ resubmittals. Make note in the data assessment.

NOTE: For aqueous samples, an additional QC check sample must be prepared and analyzed when any analyte in a matrix spike fails the required acceptance criteria (see section 5.3 below).

Yes NO N/A

The additional QC check sample must contain each analyte that failed in the MS analysis.

Note: When the results for matrix spike analysis indicates a problem due to sample matrix effects, the LCS results are used to verify the laboratory can perform the analysis in a clean sample.

4.2 Were Laboratory Control Samples analyzed at the required concentration as specified in Method 8000B(sec 8.5) for all analytes as specified in Table 3. lab limits [✓] ___ ___

Note: Use lab in-house criteria, if available.

ACTION: If Laboratory Control Samples were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

4.3 Were the LCS recoveries within the percent recoveries as specified in Table 3. [✓] ___ ___

Table 3. LCS Criteria

Compound	% Recovery
Aroclor 1016	50-150
Aroclor 1260	50-150
Tetrachloro-m-xylene (surrogate)	30-150
decachlorobiphenyl (surrogate)	30-150

4.4 If no, were Laboratory Control Samples re-analyzed? [ ] ___ [✓]

ACTION: If QC check samples were not re-analyzed, or a general system problem is indicated by repeated failure to meet the QC acceptance criteria specified in the method, make note in the data assessment and use Table 4 recovery actions criteria.

Yes NO N/A

Table 4. LCS Recovery Actions

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R > Upper Acceptance Limit	J	No qualification
%R < Lower Acceptance Limit	J	R
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No qualifications	

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for one matrix spike and matrix duplicate (unspiked) pair (MS/Dup) or matrix spike/matric spike duplicate (MS/MSD)present and complete for each matrix (Method 8082A Section 8.4.1)? [ ] ___ ✓

NOTE: For soil and waste samples showing detectable amounts of target analytes, the lab may substitute replicate samples in place of the matrix spike (see Method 8000B-40, section 8.5.3).

5.2 Have MS/Dup or MS/MSD results been summarized on modified CLP Form III? [ ] ___ ✓

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/Dup, MS/MSD must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month (Method 8000B-39 (section 8.5)).

a. Water [ ] ___ ✓

Yes NO N/A

b. Waste [ ] ___ ___

c. Soil/Solid [ ] ___ ✓

ACTION: If any MS/Dup or MS/MSD data are missing, take the action specified in 3.2 above.

5.4 Were Laboratory Control Samples analyzed for all analytes as specified in Table 5, or did the lab use the optional QC acceptance criteria i.e., in-house criteria? [ ] ___ ✓

List the criteria used and make note in data assessment.

Criteria used _____

Table 5. MS/MSD Criteria

Compound	Percent Recovery QC Limits	RPD
Aroclor 1016	29-135	0-15
Aroclor 1260	29-135	0-20

5.5 Was the matrix spike prepared at the proper spike concentration? (Method 8000B, section 8.5.1-8.5.2) [ ] ___ ✓

For aqueous organic extractable, the spike concentration should be prepared according options in: Method 8000B-40, (section 8.5.1 and 8.5.2).

5.6 Were the matrix spike and matrix spike duplicate recovery and RPD limits met as specified in Table 5. Note: No qualification of the data is necessary on MS and MSD data alone. Use professional judgement to use the MS and MSD results in conjunction with other QC criteria to determine the need for some qualification of the data. If any MS and MSD, percent recovery, or RPD results in the Arcolor fraction is out of specification (Table 5), qualify data to include the consideration of the existence interference in the raw data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples. Use professional judgement to determine the need for qualifications of detects of non-spiked compounds.

Yes NO N/A

[ ] ___ ___

Table 6. MS/MSD Actions for Analysis

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R or RPD > Upper Acceptance Limit	J	No qualification
20% ≤ %R < Lower Acceptance Limit	J	UJ
%R < 20%	J	Use professional judgement
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No qualifications	

6.0 Blanks (Form IV/Equivalent)

6.1 Was reagent blank data reported on CLP equivalent Method Blank Summary form(s) (Form IV)? [✓] ___ ___

6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch? [✓] ___ ___

Note: Method blank should be analyzed, either after the calibration standard or at any time during the analytical shift.

ACTION: If any blank data are missing, take action as specified above (section 3.2) . If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system

Yes NO N/A

printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for PCBs? ☑ ___ ___

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for PCBs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary. ___ ☑ ___

7.2 Do any field/rinse blanks have positive PCB results? ___ ☑ ___

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 7 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 7. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples

Yes NO N/A

Method, Clean up, Instrument, Field	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	> CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U
		≥ CRQL and ≥ blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated as "hits" when qualifying for calibration criteria.

Note: When applied as described in Table 7 above, the contaminant concentration in the blank is multiplied by the sample dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample? ✓ 1 ___ ___

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

Yes NO N/A

8.0 Gas Chromatography with Electron Capture Detector (GC/ECD) Instrument Performance Check (CLP Form VI and Form VII Equivalent)

8.1 Was the proper gas chromatographic capillary column used for the analysis of PCBs? [✓] ___ ___

Action: Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (Method 8082, section 4.2)

8.2 Indicate the specific type of narrow bore or wide bore (.53 mm ID, fused silica GC columns, such as DB-608 and DB-1701 or equivalent).

column 1: ZB-5

column 2: ZB-35

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

9.0 Calibration and GC Performance

9.1 Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS, replicates?

a. Samples [✓] ___ ___

b. All blanks [✓] ___ ___

c. Matrix spike samples [ ] ___ [✓]

d. 5 pt. initial calibration standards [✓] ___ ___

e. calibration verification standards [✓] ___ ___

f. Laboratory Control samples (LCS) [✓] ___ ___

ACTION: If no, take action specified in 3.2 above.

9.2 Are data summary forms (containing calibration factors or response factors) for the initial 5

Yes NO N/A

pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence? ☑ ___ ___

Note: Calibration Aroclor mixtures other than 1016/1260 may be used (as per approved project QA plan)

NOTE: If internal standard calibration procedure is used (Method 8000B-15(section 7.4.2.2)), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (Method 8000B-16 (section 7.4.2.1)), then calibration factors must be used. The internal standard approach is highly recommended for PCB congener analysis.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

9.3 Are there any transcription/calculation errors between raw data and data summary forms? ___ ☑ ___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.4 Are standard retention time (RT) windows for each PCB peak of interest presented on modified CLP summary forms? ☑ ___ ___

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all PCBs are established using retention times from three calibration standards analyzed during the entire analytical sequence (Method 8000B, section 7.6). Best results are obtained

Yes NO N/A

using retention times which span the entire sequence; i.e., using the calibration verification/continuing calibration standards analyzed every 12 hours.

9.5 Were RT windows on the confirmation column established using three standards as described above? ✓ ___ ___

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.4 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.6 Do all standard retention times in each level of the initial 5 pt. calibrations for PCBs fall within the windows established during the initial calibration sequence? ✓ ___ ___

ACTION i: If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standard spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows may be too tight. If so, RT windows should be recalculated as per Method 8081B-15 (section 7.4.6).

ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

9.7 Has the linearity criteria for the initial calibration standards been satisfied for both

Yes NO N/A

columns? (% RSD for the calibration factors (CFs) for the three to five major peaks of each of the Aroclor compounds must be < 20.0%). ☑ ___ ___

ACTION: If no, follow Table 8 criteria.

Table 8. Initial Calibration CF Action for Aroclor Analysis

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
% RSD > 20%	J	UJ
% RSD within allowable limits	No qualifications	

9.8 Does the calibration verification/continuing calibration standard contain the PCB peaks of interest, analyzed on each working day, prior to sample analyses (Method 8082, sections 7.6.2)? ☑ ___ ___

9.9 Has a calibration verification/continuing calibration standard been analyzed after every 10 samples and at the end of each analytical sequence (Method 8082A, section 7.6.2). ☑ ___ ___

ACTION: If no, take action as specified in section 3.2 above.

9.10 Has the percent difference (%D) between the Calibration Factor (CF) of each of the three to five peaks used to identify the Aroclor in the CCV and the CF from these peaks in the initial calibration exceeded ± ~~15%~~ 20%. ___ ☑ ___

9.11 Has a new 5 pt. initial calibration curve been generated for those PCB analytes which failed in the calibration verification/continuing calibration standard (8000B, section 7.7.3), and all samples which followed the out-of-control

	Yes	NO	N/A
calibration verification/standard continuing calibration Standard?	[ ]	___	___

ACTION: If the %D for any analyte exceeded the ± 15% criterion and the instrument was not recalibrated for those analytes, qualify positive results for all associated samples (those which followed the out-of-control standard) "J" and sample quantitation limits "UJ". (see Table 9)

9.12 Have retention time (RT) windows been properly calculated for each analyte of interest (Method 8000B, section 7.6), using RTs from the associated calibration verification/continuing standard? [ ] ___ ___

ACTION: If no, take action specified in section 3.2 above

9.13 Do all standard retention times for each calibration verification/continuing calibration standard fall within the windows established during the initial calibration sequence? [ ] ___ ___

9.14 Do all standard retention times for each mid-concentration standard (analyzed after every 10 samples) fall within the daily RT windows. [ ] ___ ___

ACTION: For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use paragraph B below. If the answer to either 9.13 or 9.14 above is no, check the chromatograms of all samples which followed the last in-control standard. If samples were not re-analyzed, all samples analyzed after the last in-control standard must be evaluated using professional judgement.

(A) For non-detected target compounds, check to see if the sample chromatograms contain any peaks that are close to the expected RT window of the Arcolor of interest. If no peaks are present, no qualification of data is necessary. If peaks are present close th RT window of the Aroclor of interest, qualify the non-detected values as presumptively present "N".

Yes NO N/A

(B) For detected compounds in the affected samples, if peaks within the RT window, no qualification necessary. If peaks are close to the expected RT window of the Aroclor of interest, the reviewer can examine the data package for the presence of three or more standards the Aroclor of interest that were run within the analytical sequence during which the sample was analyzed. If three or more such standards are present, the RT window can be reevaluated using the Mean Retention Times of the standards. If the peaks in the affectd sample fall within the revised window, qualify the detected target compounds "NJ". If the reviewer cannot do anything with the data to resolve the problem of concern, qualify all non-detects as unusable "R". (Table 9)

9.15 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence sequence (closing CCV). (Table 9) ☑ ___ ___

Table 9. CCV Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
RT out of RT window	Use professional judgement (Sec 9.14)	
%D not within +/- 15%	J	UJ
Time elapsed greater than section 9.15 criteria.	R	
%D, time elapsed, RT are all within acceptable limits.	No qualifications	

9.16 Are there any transcription/calculation errors between raw data and data summary forms? ___ ☑ ___

ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column? ☑ ___ ___

Yes NO N/A

ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses? [✓] ___ ___

ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.

10.3 Were the TCMX/DCB surrogate RTs for the samples within the mean surrogate RT from the initial calibration? [✓] ___ ___

Action: If no, see "Action" in section 9.14 above

11.0 Extraction Techniques for Sample Preparation

Method 8082A permits a variety of extraction techniques to be used for sample preparation. Check which extraction procedure was used?

1. Aqueous samples:

    1. Separatory funnel (Method 3510) [✓] ___ ___
    2. Continuous liquid-liquid extraction (Method 3520) [ ] ___ ✓
    3. Solid phase extraction (Method 3535) [ ] ___ ✓
    4. Other [ ] ___ ✓

2. Solid samples:

    1. Soxhlet (Method 3540) [ ] ___ ✓
    2. Automated Soxhlet (Method 3541) [ ] ___ ✓
    3. Pressurized fluid (Method 3545) [ ] ___ ✓
    4. Microwave extraction (Method 3546) [ ] ___ ✓
    5. Ultrasonic extraction (Method 3550) [ ] ___ ✓

Yes NO N/A

6. Supercritical fluid (Method 3562) [ ] ___ ___

7. Other [ ] ___ ___

11.1 Extract Cleanup - Efficiency Verification (Form IX/Equivalent)

11.1.1 Method 8082 (section 7.2) references method 3660 (sulfur) and 3665A (sulfuric acid) to use for cleaning extracts. Were one or both method used? [✓] ___ [✓]

ACTION: If no, take action specified in 3.2 above. If data suggests cleanup was not performed, make note in the data assessment.

NOTE: Method 3620A, Florisil, may be used per approved project QA plan. The method does not list which analytes and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct PCB list. If not stated or available, use the CLP listing or accept what the laboratory used.

11.2 Are all samples listed on modified CLP PCBs Florisil/Cartridge Check Form? [ ] ___ ___

ACTION: If no, take action specified in 3.2 above.

11.3 Was GPC Cleanup (method 3640A) performed? [ ] ___ ___

NOTE: GPC cleanup is not required and is optional. The reviewer should check Project Plan to verify requirement.

11.4 Were the same PCB analytes used in calibration used to check the efficiency of the cleanup procedures? [ ] ___ ___

11.5 Are percent recoveries (% R) of the PCBs and surrogate compounds used to check the efficiency of the cleanup procedures within lab's in-house QC limits (use 70-130% if not available). [ ] ___ ___

Yes NO N/A

70-130% for GPC calibration? [ ] ___ ___

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 70%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for PCBs. Use professional judgement to qualify positive results if recoveries are greater than the upper limit.

12.0 PCB Identification

12.1 Has CLP Form X or equivalent, showing retention time data for positive results on the two GC columns, been completed for every sample in which a PCB was detected? [✓] ___ ___

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and cleanup verification forms)? ___ [✓] ___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both columns/analyses? [ ] ___ ___

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

Yes NO N/A

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently.
Were there any false negatives? ___ [✓] ___

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation provided when sample concentration was sufficient (> 10 ug/ml) in the final extract? [ ] [✓] ___

ACTION: Indicate with red pencil which Form I results were confirmed by GC/MS and also note in data assessment. GC/MS confirmation is an option, see section 7.10 of Method 8082A-20. If GC/MS confirmation is not available, follow action in section 3.2.

12.6 Is the percent difference (%D) calculated for the positive sample results on the two GC columns <25.0%? [✓] ___ ___

NOTE: The method requires quantitation from one column. The second column is to confirm the presence of an analyte. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

% Difference	Qualifier

Yes NO N/A

0-25%	none
26-70%	"J"
71-100%	"NJ"
101-200% (No Interference)	"R"
101-200% (Interference detected)	"NJ"
>50% (PCBs value is <CRQL)	"U"
>200%	"R"

Note: The lower of the two values is reported on Form I. If using professional judgement, the reviewer determines that he higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found? ___ ✓ ___

NOTE: Single-peak PCBs results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture? ✓ ___ ___

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

Yes NO N/A

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable? [✓] ___ ___

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen? ___ [ ] ___

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for PCB analysis? [ ] ___ ___

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made

Yes NO N/A

to determine the proper identification of field duplicates.

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55331-1
Reviewer: Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR Glen Isle Partners, LLC
Date: April 4, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
GM-11**	480-55331-1	Metals
CC-C-048-GW**	480-55331-2	Metals
CC-C-028-GW**	480-55331-3	Metals
CC-C-051-GW**	480-55331-4	Metals
LT-C-054-GW**	480-55331-5	Metals
FB004-GW	480-55331-7	Metals
LT-G-010-GW**	480-55331-9	Metals
CC-C-001-GW**	480-55331-10	Metals
GM-11F**	480-55331-1	Metals
CC-C-048-GWF**	480-55331-2	Metals
CC-C-028-GWF**	480-55331-3	Metals
CC-C-051-GWF**	480-55331-4	Metals
LT-C-054-GWF**	480-55331-5	Metals
LT-G-010-GWF**	480-55331-9	Metals
CC-C-001-GWF**	480-55331-10	Metals
GM-11MS	480-55331-1MS	Mercury
GM-11MSD	480-55331-1MSD	Mercury
GM-11FMS	480-55331-1MS	Mercury
GM-11FMSD	480-55331-1MSD	Mercury

Samples appended with "F" were analyzed as dissolved metals.

Associated QC Samples(s):
Field/Trip Blanks: FB004-GW, LT-FB005-GW
Field Duplicate pair: None Associated

The above-listed water samples were collected on February 26, 2014 through February 27, 2014 and were analyzed for metals by SW-846 methods 6010C and 7470A. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-2, Revision 13 (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011* (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS) Results
- Serial Dilution Results
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory method and instrument blank samples. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
ICB/CCB	Manganese Potassium Sodium	0.00112 mg/L 0.192 mg/L 0.374 mg/L		CC-C-048-GW** CC-C-028-GW** CC-C-051-GW** LT-C-054-GW** LT-G-010-GW** CC-C-001-GW**
PB (prep blank)	Manganese Zinc	0.000850 mg/L 0.00174 mg/L		GM-11** CC-C-048-GW** CC-C-028-GW** CC-C-051-GW** LT-C-054-GW** FB004-GW LT-G-010-GW** CC-C-001-GW**
PB (prep blank)	Chromium Zinc	0.00235 mg/L 0.00349 mg/L		GM-11F** CC-C-048-GWF** CC-C-028-GWF** CC-C-051-GWF** LT-C-054-GWF** LT-G-010-GWF** CC-C-001-GWF**

Blank Actions for analytes detected below the reporting limit(RL).
If the sample result is < RL, report the result as nondetect (U) at the RL.
If the sample result is > RL or nondetect, no action is required.
Blank Actions for analytes detected above the reporting limit or RL.
If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
FB004-GW	Zinc	0.0023 mg/L	0.010U mg/L
GM-11F**	Chromium	0.0015 mg/L	0.0040U mg/L
CC-C-028-GWF**	Zinc	0.0038 mg/L	0.010U mg/L
CC-C-051-GWF**	Chromium Zinc	0.0035 mg/L 0.0028 mg/L	0.0040U mg/L 0.010U mg/L
LT-C-054-GWF**	Chromium Zinc	0.0022 mg/L 0.0028 mg/L	0.0040U mg/L 0.010U mg/L
LT-G-010-GWF**	Chromium Zinc	0.0022 mg/L 0.0042 mg/L	0.0040U mg/L 0.010U mg/L
CC-C-001-GWF**	Chromium Zinc	0.0020 mg/L 0.0034 mg/L	0.0040U mg/L 0.010U mg/L

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB004-GW and LT-FB005-GW were identified as field blanks. Analytes were detected above the reporting limits in field blanks FB004-GW. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
FB004-GW	Manganese	0.0034 mg/L	0.034 mg/L	GM-11** CC-C-048-GW** CC-C-028-GW** CC-C-051-GW** LT-C-054-GW**
LT-FB005-GW	Mercury	0.00062 mg/L	0.0062 mg/L	LT-G-010-GW** CC-C-001-GW**

Blank Actions for analytes detected above the reporting limit(RL).
If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.
If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.
If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
LT-G-010-GW**	Mercury	0.00012 mg/L	0.0002U mg/L

These results can be used for project objectives as nondetect (U) values which may have a minor impact on the data usability.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

Positive results for lead and manganese were detected above the RL in the ICSA solution analyses associated with the water samples. Sample interferent levels were reviewed. Sample interferent levels were greater than those of the ICSA sample for the samples listed in the table below and the resulting validation action is listed.

ICS Identification	Analyte	Concentration Limits	Associated Samples	Validation Actions
ICSA 480-168450/9	Lead Manganese	0.0078 mg/L (≤0.0050) 0.0032 mg/L (≤0.0030)	CC-C-051-GW** LT-C-054-GW**	J detects J detects
ICSA 480-168450/54	Lead Manganese	0.0085 mg/L (≤0.0050) 0.0033 mg/L (≤0.0030)	CC-C-051-GW** LT-C-054-GW**	J detects J detects

The positive results for lead and manganese were qualified as estimated (J) due to high concentration results in the ICSA solution. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples GM-11** and GM-11F** for mercury analyses. All criteria were met.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS Results

All criteria were met.

Serial Dilution Results

Serial dilution results were not associated with this sample set. Validation action was not required on this basis.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

Due to difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	Metals Analysis Reported
CC-C-051-GW**	5-fold dilution for silver and thallium due to nature of sample matrix

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31574C4

SDG #: 480-55331-1

Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET

Cat A/Cat B

Date: 4/1/14

Page: 1 of 1

Reviewer: ✓

2nd Reviewer: ✓

METHOD: Metals (EPA SW 846 Method 6010C/~~7000~~ 7470A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/26/14 – 2/27/14
II.	ICP/MS Tune	NA	~~Not reviewed for Cat A review.~~
III.	Calibration	A	Not reviewed for Cat A review.
IV.	Blanks	SW	
V.	ICP Interference Check Sample (ICS) Analysis	SW	Not reviewed for Cat A review.
VI.	Matrix Spike Analysis	A	
VII.	Duplicate Sample Analysis	N	
VIII.	Laboratory Control Samples (LCS)	A	Lcs
IX.	Internal Standard (ICP-MS)	NA	
X.	ICP Serial Dilution	N	~~Not reviewed for Cat A review.~~ ✓ Not performed for ICP
XI.	Sample Result Verification	A	Not reviewed for Cat A review. MDL < Results < RL J/T
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	N	
XIV.	Field Blanks	SW	FB = 6 (>RL), # LT-FB005-GW

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	GM-11 **	11	CC-C-028-GWF **	21	MB	31	
2	CC-C-048-GW **	12	CC-C-051-GWF **	22		32	
3	CC-C-028-GW **	13	LT-C-054-GWF **	23		33	
4	CC-C-051-GW **	14	LT-G-010-GWF **	24		34	
5	LT-C-054-GW **	15	CC-C-001-GWF **	25		35	
6	FB004-GW	16	GM-11MS	26		36	
7	LT-G-010-GW **	17	GM-11MSD	27		37	
8	CC-C-001-GW **	18	GM-11FMS	28		38	
9	GM-11F **	19	GM-11FMSD	29		39	
10	CC-C-048-GWF **	20		30		40	

Notes: Samples appended with "F" were analyzed as dissolved

#4, Ag, Te 5X

LDC #: 21574cq

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: V
2nd reviewer: M

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-15	AQ	(Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn,) Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
1-16-19	AQ	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, (Hg) Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
Analysis Method		
ICP		(Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn,) Mo, B, Si, CN^-,
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN^-,

Comments: (Mercury by CVAA if performed)

LDC #: 31574C4

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Reviewer: LW
2nd Reviewer: 2

METHOD: Trace Metals (SW 846 6010C/7470A) Soil preparation factor applied: ____
Sample Concentration units, unless otherwise noted: mg/L Associated Samples: 2-5, 7,8 (>RL)

					Sample Identification								
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit									
Mn			0.00112										
K			0.192										
Na			0.374										

Sample Concentration units, unless otherwise noted: mg/L Associated Samples: 1-8

					Sample Identification							
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit	6							
Mn		0.000850										
Zn		0.00174			0.0023/0.010							

Sample Concentration units, unless otherwise noted: mg/L Associated Samples: 9-15

					Sample Identification							
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit	9	11	12	13	14	15		
Cr		0.00235			0.0015/0.0040		0.0035/0.0040	0.0022/0.0040	0.0022/0.0040	0.0020/0.0040		
Zn		0.00349				0.0038/0.010	0.0028/0.010	0.0028/0.010	0.0042/0.010	0.0034/0.010		

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31574C4

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: LW
2nd Reviewer: OK

METHOD: Trace Metals (EPA SW846 6010C/7470A)

Y N N/A Were field blanks identified in this SDG?

Y N N/A Were target analytes detected in the field blanks?

Blank units: mg/L **Associated sample units:** mg/L

Sampling date: 2/26/14 Soil factor applied _____

Field blank type: (circle one) Field Blank / Rinsate / Other: FB Associated Samples: 1-5 (>10X)

Analyte	Blank ID	Action Level	Sample Identification											
	6													
Mn	0.0034	0.034												

Sampling date: 2/27/14 Soil factor applied _____

Field blank type: (circle one) Field Blank / Rinsate / Other: FB Associated Samples: 7,8

Analyte	Blank ID	Action Level	Sample Identification									
	LT-FB005-GW		7									
Hg	0.00062	0.0062	0.00012/0.0002									

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Samples with analyte concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

LDC #: 31574C4

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: Trace metals (EPA SW846 6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were ICP interference check samples performed as required?

Y N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Concentration (mg/L)	Limit (RL, mg/L)	Associated Samples	Qualifications
1	3/3/14	ICSA 480-168450/9	Pb	0.0078	0.0050	4,5	J det (Al, Fe > ICSA) (det)
	17:00		Mn	0.0032	0.0030	↓	J det (Al, Fe > ICSA) (det)
2	3/3/14	ICSA 480-168450/9	Pb	0.0078	0.0050	1-3, 7,8	No qual (Al,Ca,Mg,Fe < ICSA)
	17:00		Mn	0.0032	0.0030	↓	↓
			Ag	-0.0037	0.0030	↓	
3	3/4/14	ICSA 480-168450/54	Pb	0.0085	0.0050	4,5	J det (Al, Fe > ICSA) (det)
	04:14		Mn	0.0033	0.0030	↓	J det (Al, Fe > ICSA) (det)
4	3/4/14	ICSA 480-168450/54	Pb	0.0085	0.0050	1-3, 7,8	No qual (Al,Ca,Mg,Fe < ICSA)
	04:14		Mn	0.0033	0.0030	↓	↓
			Ag	-0.0038	0.0030	↓	
5	3/6/14	ICSA 480-166041/9	Mn	0.0034	0.0030	9-15	No qual (Al,Ca,Mg,Fe < ICSA)
	17:11		Ag	-0.0048	0.0030	↓	↓

Comments: 4,5: Ag was analyzed on 3/4/14
3/3/14: Ba + Cd severe impurity per Lab,

DC #: 3157 Y C4

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

IETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

n initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$R = \frac{Found}{True} \times 100$ Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug~~ m/L)	True (~~ug~~ m/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP (Initial calibration)	Pb	0.377	0.375	101	101	Y
	ICP/MS (Initial calibration)						
ICV	CVAA (Initial calibration)	Hg	0.00300	0.00300	100	100	Y
CCV	ICP (Continuing calibration)	Sb	0.502	0.500	100	100	↓
	ICP/MS (Continuing calibration)						
CCV	CVAA (Continuing calibration)	Hg	0.00195	0.00200	98	98	Y
	GFAA (Initial calibration)						
	GFAA (Continuing calibation)						

omments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the calculated results.

CALCLC.4SW

DC #: 318744

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: [illegible]
2nd Reviewer: CR

ETHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

ercent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

R = Found x 100 / True

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

PD = |S-D| x 100 / (S+D)/2

Where, S = Original sample concentration
D = Duplicate sample concentration

n ICP serial dilution percent difference (%D) was recalculated using the following formula:

D = |I-SDR| x 100 / I

Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Se	0.0554	0.050	111	111	Y
LCS	Laboratory control sample	Cr	0.216	0.200	108	108	↓
16	Matrix spike	Hg	(SSR-SR) 0.00662	0.00667	99	99	↓
18/19	Duplicate	↓	0.00565	0.00567	0	1	↓
KB	ICP serial dilution						

omments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31874C4

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
Y N N/A Are all detection limits below the CRDL?

Detected analyte results for _____ were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation:

From raw data

#1 Al = 0.9537 / mg/L

#	Sample ID	Analyte	Reported Concentration (mg/L)	Calculated Concentration (mg/L)	Acceptable (Y/N)
	1	Al	0.95	0.95	Y
	2	Ag	0.59	0.59	
	3	Hg	0.00023	0.00023	
	4	Ba	1.8	1.8	
	5	Ca	40.1	40.1	
	7	Fe	64.4	64.4	
	8	Mn	1.2	1.2	
	9	Zn	0.016	0.016	
	10	V	0.038	0.038	
	11	K	80.8	80.8	
	12	Cr	0.0035	0.0035	
	13	Ni	0.0040	0.0040	
	14	Na	23.8	23.8	
	15	Ba	0.39	0.39	

Note: _____

	YES	NO	N/A
(b) Form I's?	[✓]	___	___
Is the number of samples on the Cover Page the same as the number of samples on the Traffic Report sheet and the Regional Record of Communication (ROC) for the data Case?	[___]	___	✓

ACTION:
If no for any of the above, prepare Telephone Record Log and contact RSCC/PO for re-submittal of the corrected Cover Page from the laboratory.

A.1.6 SDG Narrative, DC-1 & DC-2 Form

Is the SDG Narrative present?	[✓]	___	___
Is Sample Log-In Sheet(Form DC-1) present and complete?	[___]	___	✓
Is Complete SDG Inventory Sheet(Form DC-2) present and complete?	[___]	___	✓

ACTION:
If no, write in the Contract-Problems/ Non-Compliance Section of the Data Review Narrative.

A.1.7 Form I to XV

A.1.7.1 Are all the Form I through Form XV labeled with:

Laboratory Name?	[✓]	___	___
Laboratory Code?	[___]	___	✓
RAS/Non-RAS Case No.?	[✓]	___	___
SDG No.?	[✓]	___	___

	YES	NO	N/A
A.I.1 Contract Compliance Screening Report Present?	[✓]	___	___
ACTION: If no, contact RSCC/PO.			
A.I.2 Record of Communication (from RSCC) Present?	[✓]	___	___
ACTION: If no, request from the RSCC.			
A.1.3 Sampling Trip Report Present and complete?	[✓]	___	___
ACTION: If no, contact RSCC/PO.			
A.I.4 Chain of Custody/Sample Traffic Report Present?	[✓]	___	___
Legible?	[✓]	___	___
Signature of sample custodian present?	[✓]	___	___
ACTION: If no, contact RSCC/WAM/PO.			
A.I.5 Cover Page Present?	[✓]	___	___
Is the Cover Page properly filled in and the verbatim signed by the lab manager or the manager's designee?	[✓]	___	___
Do the sample identification numbers on the Cover Page agree with sample Identification numbers on:			
(a) Traffic Report Sheet?	[ ]	___	✓

		YES	NO	N/A
	Contract No.?	[ ]	___	✓

ACTION:
If no for any of the above, note under Contract Problem/Non-Compliance Section of the "Data Review Narrative" and contact PO for corrected Form(s) from the laboratory.

A.1.7.2	After comparing values on Forms I-IX against the raw data, do any computation/ transcription errors exceed 10% of the reported values on the Forms for:			
	(a) all analytes analyzed by ICP-AES?	___	[✓]	___
	(b) all analytes analyzed by ICP-MS?	___	[ ]	✓
	(c) Mercury?	___	[✓]	___
	(d) Cyanide?	___	[ ]	✓

ACTION:
If yes, prepare Telephone Record Log and contact CLP PO/TOPO for the corrected data from the laboratory.

A.1.8 Raw Data

Data shall not be validated without the hard/electronic copies of the associated raw data for samples and QC samples.

A.1.8.1 Digestion/Distillation Log

Digestion Log for ICP-AES (Form XII)present?	[✓]	___	___
Digestion Log for ICP-MS (Form XII) present?	[ ]	___	✓
Digestion Log for mercury (Form XII) present?	[✓]	___	___
Distillation Log for cyanide (Form XII) present?	[ ]	___	✓

Are pH values for metals and

	YES	NO	N/A
cyanide reported for each aqueous sample?	[/]	_	_
Are percent solids calculations present for soils/sediments?	[✓]	___	___
Are preparation dates present on the sample preparation logs/bench sheets?	[✓]	_	_

NOTE:
Digestion/Distillation log must include weights, volumes, and dilutions used to obtain the reported results.

A.1.8.2 Is the analytical instrument real-time printouts present for:

	YES	NO	N/A
ICP-AES?	[✓]	_	_
ICP-MS?	[ ]	___	✓
Mercury?	[✓]	_	_
Cyanide?	[ ]	___	✓

Are all laboratory bench sheets and instrument raw data printouts necessary to support all sample analyses and QC operations:

Legible?	[✓]	_	_
Properly labeled?	[✓]	_	_

Are all field samples, QC samples and field QC samples present on:

Digestion/Distillation log?	[✓]	___	___
Instrument Printouts?	[✓]	_	_

ACTION:
If no for any of the above questions in Section A.1.8.1 and Section A.1.8.2, write Telephone Record Log and contact TOPO/PO for re-submittal from the laboratory.

		YES	NO	N/A
A.1.9	Technical Holding Times: (Aqueous and soil samples) (Examine sample Traffic Reports and digestion/distillation logs to determine the holding time from the sample collection date to the sample preparation date.)			
A.1.9.1	Cyanide distillation(14 days)exceeded?	_	[ ]	[✓]
	Mercury analysis(28 days) exceeded?	_	[✓]	_
	Other Metals analysis(180 days)exceeded?	___	___	[✓]

ACTION:
If yes, reject (R) and red-line non-detects and flag as estimated (J)results ≥ MDL even if sample(s) was preserved properly.

NOTE:
In addition to qualifying the data, a list of all samples and analytes which exceeded the holding times must be prepared. Report for each sample the number of days that were exceeded. (Subtract the sample collection date from the sample preparation date). Attach this list to the data review narrative.

A.1.9.2	Is pH of aqueous samples for:			
	Metals Analysis ≤ 2?	[✓]	___	___
	Cyanide Analysis ≥ 12?	[ ]	_	[✓]

ACTION:
If no for any of the above, flag non-detects as "R" and detects as "J".

A.1.9.3	Is the cooler temperature ≤ 10 C°?	[✓]	_	_

ACTION:
If cooler temperature is >10°C , flag non-detects as "UJ" and detects as "J".

A.1.10 Final Data Correctness - Form I

A.1.10.1 Are Form I's for all samples

	YES	NO	N/A
present and complete?	[✓]		

ACTION:
If no, prepare Telephone Record Log and contact CLP PO/TOPO for submittal from the laboratory.

A.1.10.2 Verify there are no calculation and transcription errors in the results reported on Form I's. Circle on each Form I all results that are incorrect.

Is the calculation error less than 10% of the correct result?	[✓]		
Are results on Form I's reported in correct units (ug/L for aqueous and MG/KG for soils)?	[✓]		
Are results on Form I'S reported by correct significant figures?	[✓]		
Are soil sample results on Form I's corrected for percent solids?	[✓]		
Are all "less than MDL" values reported by the CRQLs and coded with "U"?	[✓]		
Are values less than the CRQLs but greater than or equal to the MDLs flagged with "J"?	[✓]		
Are appropriate contractual quality control and Method qualifiers used?	[✓]		

ACTION:
If no for any of the above questions, prepare Telephone Record Log, and contact CLP PO/TOPO for corrected data.

A.1.10.3 Do EPA sample identification numbers and the corresponding laboratory sample identification numbers match on the Cover Page, Form I's and in the raw data? [✓]

Was a brief physical description

	YES	NO	N/A
of the samples before and after digestion given on the Form I's?	[ ]	✓	
Was any sample result outside the mercury/cyanide calibration range or the ICP-AES/ICP-MS linear range diluted and noted on the Form I?	[✓]		

ACTION:
If no for any of the above, note under the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.11 Initial Calibration

A.1.11.1 Is a record of at least 2 point (A blank and a standard)calibration present for ICP-AES analysis?	[✓]		
Is a record of at least 2 point (a blank and a standard)calibration present for ICP-MS analysis?	[ ]		✓
Is a record of at least 5 point calibration (a blank & 4 standards)present for Hg analysis?	[✓]		
Is a record of at least 4 point calibration (a blank & 4 standards)present for cyanide?	[ ]		✓

ACTION:
If incomplete or no initial calibration was performed, reject (R) and red-line the associated data (detects & non-detects).

Is one initial calibration standard at the CRQL level for cyanide and mercury?	[✓]		

ACTION:
If no, write in the Contract Problem/ Non-Compliance Section of the Data Review Narrative.

A.1.11.2 Is the curve correlation coefficient $\geq$ 0.995 for:

		YES	NO	N/A
	Mercury Analysis?	[✓]	___	___
	Cyanide Analysis?	[___]	___	✓
	ICP-AES (more than 2 point Calib.)?	[✓]	___	___
	ICP-MS (more than 2 point calib.)?	[___]	___	✓

ACTION:
If no, qualify the associated sample results ≥ MDL as estimated "J" and non-detects as "UJ".

NOTE:
The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.).

A.1.12 Initial and Continuing Calibration Verification- Form IIA

A.1.12.1	Present and complete for every metal and cyanide?	[✓]	___	___
	Present and complete for ICP-AES and ICP-MS when both these methods were used for the same analyte?	[___]	___	✓

ACTION:
If no for any of the above, prepare a Telephone Record Log and contact PO/TOPO for re-submittal from the laboratory.

A.1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?	[✓]	___	___

ACTION:
If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.12.3	Was an ICV or a mid-range standard distilled and analyzed with each batch of cyanide samples?	[___]	___	✓

	YES	NO	N/A

ACTION:
If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative and qualify results ≥ MDL as estimated (J).

A.1.12.2 Circle on each Form IIA all percent recoveries that are outside the contract windows.

Are ICV/CCVs within control limits for:

Metals - 90-110%R?	[✓]	___	___
Hg - 80-120%R?	[✓]	___	___
Cyanide - 85-115%R?	[___]	___	✓

ACTION:
If no, qualify all samples between a previous technically acceptable CCV standard and a subsequent technically acceptable CCV standard as follows as follows:

Qualify as estimated (J) all detects and non-detects, if the ICV/CCV %R is between 75-89%(65-79% for Hg; 70-84% for CN). Qualify only positive results(≥ MDL) as "J" if the ICV/CCV %R is between 111-125%(121-135% for Hg;116-130% for CN). Reject (R) and red-line only
detects if the recovery is greater than 125% (135% for Hg; 130% for CN). Reject (R) and red-line all associated results (hits and non-detects)if the recovery is less than 75%(65% for Hg;70% for CN).

NOTE:
For ICV that does not fall within the acceptance limits, qualify all samples reported from the analytical run.

A.1.12.3 Was the distilled ICV or mid-range standard for cyanide within acceptance limits (85-115%)? [___] ___ ✓

ACTION:
If no, Qualify all cyanide results ≥ MDL as "J".

A.1.13 CRQL Standard Analysis - Form IIB

A.1.13.1 For each ICP-AES run, was a CRI

	YES	NO	N/A
(CRQL or MDL when MDL > CRQL) standard analyzed? (Note:CRI is not required for Al, Ba, Ca, Fe, Mg, Na and K.)	[✓]	___	___
For each ICP-MS run, was a CRI (CRQL or MDL when MDL > CRQL) standard analyzed for each mass/isotope used for the analysis?	[___]	___	✓ ___
For each mercury run, was a CRQL standard analyzed?	[✓]	___	___
For each cyanide run, was a CRQL standard analyzed?	[___]	___	✓

ACTION:
If no for any of the above, write this deficiency in the Contract Problems/ Non-Compliance Section of the Data Review Narrative, inform CLP PO and flag results in the affected ranges (detects <2xCRQL)as J and non-detects UJ.

The affected ranges are:
ICP-AES Analysis - *True Value ± CRQL
ICP-MS Analysis - *True Value ± CRQL
Mercury Analysis - *True Value ± CRQL
Cyanide Analysis - *True Value ± CRQL
* True value of the CRQL Standard

		YES	NO	N/A
A.1.13.2	Was a CRQL standard analyzed after the ICV/ICB, before the final CCV/CCB and once every 20 analytical samples in the analytical run for each analysis?	[___]	✓	___

ACTION:
If no, write in the Contract Problem/ Non-Compliance Section of the "Data Review Narrative".

A.1.13.3 Circle on each Form IIB all percent recoveries that are outside the acceptance windows.

	YES	NO	N/A
Is the CRQL standard within control limits for:			
Metals(ICP-AES/ICP-MS)- 70 - 130%?	[✓]	___	___
Mercury- 70 - 130%?	[✓]	___	___
Cyanide - 70 - 130%?	[___]	___	✓

ACTION:
If no, flag detects <2xCRQL as "J" and non-detects as "UJ" if the CRQL standard recovery is between 50-69%. Flag(J) only detects <2xCRQL if the recovery is between 131% and ≤180%. If the recovery is less than 150%, reject(R) and red-line non-detects and detects < 2xCRQL, and flag (J) detects between 2xCRQL and ICV/CCV. Reject and red-line only detects <2xCRQL and flag (J)detects ≥ 2xCRQL but < ICV/CCV if the recovery is > 180%.

NOTE:
1. Qualify all field samples analyzed between a previous technically acceptable analysis of the CRQL standard and a subsequent acceptable analysis of the CRQL standard
2. Flag (J) or reject (R) only the final sample results on Form I's when Sample raw data are within the affected ranges and the CRQL standard is outside the acceptance windows.
3. The samples and the CRQL standard must be analyzed in the same analytical run.

A.1.14 Initial and Continuing Calibration Blanks - Form III

A.1.14.1	Present and complete for all the instruments used for the metals and cyanide analyses?	[✓]	___	___
	Was an initial Calibration Blank analyzed after ICV?	[✓]	___	___
	Was a continuing Calibration Blank analyzed after every CCV and every 10 samples or every 2 hours, whichever is more frequent?	[✓]	___	___
	Were the ICB & CCB values ≥ MDL but < CRQL reported on Form III and flagged "J" by			

		YES	NO	N/A
	using MDLs from direct analysis(Preparation Method "NP1")? (Check Form III against the raw data)	[✓]	___	___
	ACTION: If no, inform CLP PO/TOPO and make a note in the Contract-Problems/Non-Compliance Section of the "Data Review Narrative".			
A.1.14.2	Circle with red pencil on each Form III all Calib. Blank values that are: ≥ MDL but ≤ CRQL; > CRQL			
A.1.14.2.1	When MDL < CRQL, is any Calib. Blank value ≥ MDL but ≤ CRQL?	✓	[___]	___
	ACTION: If yes, change sample results ≥ MDL but ≤ CRQL to the CRQL with a "U". Do not qualify non-detects.			
A.1.14.2.2	When MDL < CRQL, is any Calib. Blank value > CRQL?	___	[✓]	___
	ACTION: If yes, reject (R) and red line the associated sample results > CRQL but <ICB/CCB Blank Result. Flag as "J" detects > ICB/CCB blank value but < 10xICB/CCB value. Change the sample results ≥ MDL but ≤ the CRQL to CRQL with a "U".			
A.1.14.2.3	Is any Calibration Blank value below the negative CRQL?	___	[✓]	___
	ACTION: If yes, flag (J) as estimated all associated sample results ≥ CRQL but <10xCRQL.			

NOTE:

1. For ICB that does not meet the technical QC Criteria, apply the action to all samples

	YES	NO	N/A

reported from the analytical run.
2. For CCBs that do not meet the technical QC criteria, apply the action to all samples analyzed between a previous technically acceptable analysis of CCB and a subsequent technically acceptable analysis of the CCB in the analytical run.,

A.1.15 Preparation Blank - FORM III

NOTE: The Preparation Blank for mercury is the same as the calibration blank.

A.1.15.1 Was one Preparation Blank prepared with and analyzed for:

Each Sample Delivery Group (SDG)?	[✓]	___	___
Each batch of the SDG samples digested/distilled?	[✓]	___	___
Each matrix type?	[✓]	___	___
All instruments used for metals and cyanide analyses?	[✓]	___	___

ACTION:
If no for any of the above, flag as estimated (J) all the associated positive data <10xMDL for which the Preparation Blank was not analyzed.

NOTE:
If only one blank was analyzed for more than 20 samples, then the first 20 samples analyzed are not estimated(J), but all additional samples must be qualified (J).

A.1.15.2 Circle with red pencil on each Form III all Prep. Blank values that are:

≥ MDL but ≤ CRQL, and

> CRQL

A.1.15.2.1 When MDL < CRQL, is any preparation blank value ≥ MDL but ≤ CRQL? ___/___ [___] ___

ACTION:
If yes, change sample result ≥ MDL

		YES	NO	N/A
	but ≤ CRQL to CRQL with a "U".			
A.1.15.2.2	When the MDL ≤ CRQL, is any Preparation Blank value greater than its CRQL?	___	[✓]	___
	If yes, is the Prep. Blank value greater than the value of the associated Field Blank collected and analyzed with the SDG samples?	___	[___]	✓
	If yes, is the lowest concentration of that analyte in the associated samples less than 10 times the Preparation Blank value?	___	[___]	✓

ACTION:
If yes, reject (R) and red-line all associated sample results greater than the CRQL but less than the Prep.Blank value. Flag as "J" detects > Prep. Blank value but <10xPrep.Blank. If the sample result ≥ MDL but ≤ CRQL, replace it with CRQL-U.

If the Prep. Blank value is less than the same analyte value in the Field Blank, do not qualify the sample results due to the Prep. Blank criteria.

NOTE:
Convert soil sample result to mg/Kg on wet weight basis to compare with the soil Prep. Blank result on Form III.

A.1.15.2.3	Is the Prep. Blank concentration below the negative CRQL?	___	[✓]	___

ACTION:
If yes, flag (J) all associated sample results less than 10xCRQL. Qualify non-detects as estimated (UJ).

A.1.15.2.4	When the MDL is greater than the CRQL, is the preparation blank concentration on Form III greater than two times the MDL?	___	[___]	✓

ACTION:

		YES	NO	N/A
	If yes, reject (R) and red-line all positive sample results with sample raw data less than 10 times the Preparation Blank value.			
A.1.16	ICP-AES/ICP-MS Interference Check Sample (ICS)- Form IV NOTE:Not required for CN, Hg, Al, Ca, Fe and Mg.			
A.1.16.1	Present and complete?	[✓]	___	___
	Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical samples?	[___]	✓	___
	Was ICS analyzed at the beginning of the ICP-MS analytical run?	[___]	___	✓
	ACTION: If no, flag as estimated (J) all sample results.			
A.1.16.2	ICP-AES Method			
A.1.16.2.1	ICSA Solution: For ICP-AES, are the ICSA "Found" analyte values within the control limits ± of CRQL of the true/established mean value?	[___]	/	___
	If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSA Solution on Form IV?	[/]	___	___
	ACTION: If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run: Flag (J) as estimated only sample results ≥MDL			

	YES	NO	N/A
for which the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag non-detects as "UJ" and detects as "J".			
A.1.16.2.3 ICSAB Solution For ICP-AES, are all analyte results in ICSAB within the control limits of 80-120 of the true/established mean value?	[✓]	___	___
If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSAB Solution on Form IV?	[___]	___	✓

ACTION:
If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated those associated sample results ≥ MDL for which the ICSAB analyte recovery is greater than 120% but ≤ 150%. If the ICSAB recovery falls within 50-79%, qualify sample results ≥ MDL as "J" and non-detects as "UJ". Reject (R) and red-line all sample results (detects & non-detects) for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only positive results.

A.1.16.3 ICP-MS Method

A.1.16.3.1 ICSA Solution: For ICP-MS, are the ICSA "Found" analyte values within the control limits of ±CRQL of the true/established mean value?	[___]	___	✓

ACTION:
If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated only sample results ≥ MDL if the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag the associated sample detects as "J" and non-detects as "UJ".

	YES	NO	N/A
A.1.16.3.3 ICSAB Solution For ICP-MS, are all analyte results in ICSAB within the control limits of 80-120% of the true/established mean value, whichever is greater?	[ ]		✓

ACTION:
If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated those associated sample results ≥ MDL for which the ICSAB analyte recovery is greater than 120% but ≤ 150%. If the ICSAB recovery falls within 50-79% flag (J) as estimated the associated sample results ≥ MDL. Reject (R) and red-line those all sample detects and non-detects for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only detects (≥ MDL).

A.1.17 Spiked Sample Recovery: Pre-Digestion/Pre-Distillation)-Form V A
Note: Not required for Ca, Mg, K, and Na (both matrices); Al and Fe (soil only)

A.1.17.1 Was Matrix Spike analysis performed: Hg only			
For each matrix type?	[✓]		
For each SDG?	[✓]		
On one of the SDG samples?	[✓]		
For each concentration range (i.e., low, med., high)?	[✓]		
For each analytical Method (ICP-AES, ICP-MS, Hg, CN) used?	[✓]		
Was a spiked sample prepared and analyzed with the SDG samples?	[✓]		

ACTION:
If no for any of the above, flag as estimated (J) all the positive data for which a spiked sample was not analyzed.

NOTE:
If more than one spiked sample were analyzed for one SDG, then qualify the associated data based on the worst spiked sample analysis.

		YES	NO	N/A
A.1.17.2	Was a field blank or PE sample used for the spiked sample analysis? ACTION: If yes, flag (J) as estimated positive data of the associated SDG samples for which field blank or PE sample was used for the spiked sample analysis.	___	[✓]	___
A.1.17.3	Circle on each Form VA all spike recoveries that are outside the control limits (75-125%) that have sample concentrations less than four times the added spike concentrations.			
	Are all recoveries within the control limits when sample concentrations are less than or equal to four times the spike concentrations? NOTE: Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.	[✓]	___	___
	Are results outside the control limits (75-125%) flagged with Lab Qualifier "N" on Form I's and Form VA?	[___]	___	✓
	ACTION: If no for any of the above, write in the Contract - Problems/Non-Compliance Section of the Data Review Narrative.			
A.1.17.4	Aqueous			
	Are any spike recoveries:			
	(a) less than 30%?	___	[✓]	___
	(b) between 30-74%?	___	[✓]	___
	(c) between 126-150%?	___	[✓]	___
	(d) greater than 150%?	___	[✓]	___
	ACTION: If the matrix spike recovery is less than 30%, reject (R) and red-line all associated aqueous data (detects & non-detects). If between 30-74%, qualify all associated aqueous data ≥ MDL as "J" and non-detects			

		YES	NO	N/A
	as "UJ". If between 126-150%, flag (J) all data ≥ MDL as "J". If greater than 150%, reject (R) and red-line all associated data ≥ MDL.			
	(NOTE:Replace "N" with "J", "R" as appropriate.)			
A.1.17.5	Soil/Sediment			
	Are any spike recoveries:			
	(a) less than 10%?	___	[___]	✓
	(b) between 10-74%?	___	[___]	✓
	(c) between 126-200%?	___	[___]	✓
	(d) greater than 200%?	___	[___]	✓
	ACTION: If yes for any of the above, proceed as follows:			
	If the matrix spike recovery is less than 10%, reject (R) and red-line all associated data (detects & non-detects); if between 10-74%, qualify all associated data ≥ MDL as "J" and non-detects as "UJ"; if between 126-200%, flag (J) all associated data ≥ MDL as "J" If greater than 200%, reject (R) and red-line all associated data ≥ MDL. (NOTE:Replace "N" with "J" or "R" as appropriate.)			
A.1.18	Lab Duplicates) - Form VI			
A.1.18.1	Was the lab duplicate analysis performed:			
	For each SDG?	[___]	✓	___
	On one of the SDG samples?	[___]	✓	___
	For each matrix type?	[___]	✓	___
	For each concentration range (low or med.)?	[___]	✓	___
	For each analytical Method (ICP-AES/ICP-MS,Hg,CN)Used?	[___]	✓	___
	Was a lab duplicate prepared and analyzed with the SDG samples?	[___]	✓	___

		YES	NO	N/A
	ACTION: If no for any of the above, flag (J) as estimated all the SDG sample results (detects & non-detects) for which the lab duplicate analysis was not performed.			
	NOTE: If more than one lab duplicate sample were analyzed for an SDG, then qualify the associated samples based on the worst lab duplicate analysis.			
A.1.18.2	Was a Field Blank or PE sample used for the Lab Duplicate analysis?	___	[___]	✓
	ACTION: If yes, flag as estimated (J) all SDG sample results (hits & non-detects) for which Field Blank or PE sample was used for duplicate analysis.			
A.1.18.3	Circle on each Form VI all values that are:			
	RPD > 20%, or			
	Absolute Difference > CRQL			
	Are all values within control limits (RPD ≤ 20% or absolute difference ≤ ±CRQL)?	[___]	___	✓
	If no, are all results outside the control limits flagged with an "*" (Lab Qualifier) on Form VI and on all Form I's?	[___]	___	✓
	ACTION: If no, write in the Contract-Problems/ Non-Compliance Section of the Data Review Narrative.			
	NOTE: The laboratory is not required to report on Form VI the RPD when both values are non-detects.			
A.1.18.4	Aqueous			
A.1.18.4.1	When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),			

	YES	NO	N/A
is any RPD > 20% but < 100%?	___	[___]	✓
is any RPD ≥ 100%?	___	[___]	✓

ACTION:
If the RPD is > 20% but < 100%, flag (J) as estimated the associated sample data ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line the associated sample data ≥ CRQL.

(NOTE:Replace "*" with "J" or "R" as appropriate.)

A.1.18.4.2 When the sample and/or duplicate value <5xCRQL (substitute MDL for CRQL when MDL >CRQL), is the absolute difference between sample and duplicate values:

> ± CRQL?	___	[___]	✓
> ± 2xCRQL?	___	[___]	✓

ACTION:
If the absolute difference is > CRQL, flag as estimated all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 2xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but < 5xCRQL.

NOTE:
1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

A.1.18.5 Soil/Sediment

A.1.18.5.1 When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 35% but < 120%?	___	[___]	✓
is any RPD ≥ 120%?	___	[___]	✓

ACTION:
If the RPD is ≥ 35% and < 120%, flag (J) as estimated the associated sample

		YES	NO	N/A
	data ≥ CRQL. If the RPD is ≥ 120%, reject (R) and red-line the associated sample data ≥ CRQL.			
A.1.18.5.2	When the sample and/or duplicate value <5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and duplicate:			
	> ± 2 x CRQL?	___	[___]	___
	> ± 4 x CRQL	___	[___]	___

ACTION:
If the absolute difference is > 2 x CRQL, flag all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 4xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but <5xCRQL.

NOTE:
1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

A.1.19 Field Duplicates

Aqueous Field Duplicates

		YES	NO	N/A
A.1.19.1	Was an aqueous Field Duplicate pair collected and analyzed? (Check Sampling Trip Report)	[___]	/	___

ACTION:
If yes, prepare a Form (Appendix A.4) for each aqueous Field Duplicate pair. Report the sample and Field Duplicate results on Appendix A.4 from their respective Form I's. Calculate and report RPD on Appendix A.4 when sample and its Field Duplicate values are both > 5xCRQL. Calculate and report the absolute difference on Appendix A.4 when at least one value (sample or duplicate) is <5xCRQL. Evaluate the aqueous Field Duplicate analysis in accordance with the

	YES	NO	N/A

QC criteria stated in Sections A.1.19.2 and A.1.19.3.

NOTE:
1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this the criteria to qualify the results.

A.1.19.2 Circle all values on the Form (Appendix A.4) for Field Duplicates that have:

RPD ≥ 20% or

Difference > ± CRQL

When sample and duplicate values are both ≥5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 20%?	___	[___]	/
is any RPD ≥ 100%?	___	[___]	___

ACTION:
If the RPD is >20% but < 100%, flag (J) only the associated sample and its Field Duplicate results ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line only the associated sample and its Field Duplicate result ≥ CRQL.

A.1.19.3 When the sample and/or duplicate value(s) <5xCRQL (substitute MDL for CRQL when MDL >CRQL), is the absolute difference between sample and duplicate:

> ± CRQL?	___	[___]	/
> ± 2 x CRQL?	___	[___]	/

ACTION:
If the absolute difference is > CRQL, flag detects ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the difference is > 2xCRQL, reject (R) and red-line non-detects

		YES	NO	N/A
	and results ≥ MDL but <5xCRQL of the sample and its Field Duplicate.			
	Soil/Sediment Field Duplicates			
A.1.19.4	Was a soil field duplicate pair collected and analyzed? (Check Sampling Trip Report)	[___]	___	___/

ACTION:
If yes, for each soil Field Duplicate pair proceed as follows:

Prepare Appendix A.4 for each Field Duplicate pair. Report on Appendix A.4 all sample and its Field Duplicate results in MG/KG from their respective Form I's. Calculate and report RPD when sample and its duplicate values are both greater than 5xCRQL. Calculate and report the absolute difference when at least one value (sample or duplicate)is < 5xCRQL. Evaluate the Field Duplicate analysis in accordance with the QC Criteria stated in Sections A.1.19.5 and A.1.19.6.

NOTE:
1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and apply the criteria to qualify the results.

		YES	NO	N/A
A.1.19.5	Circle on each Appendix A.4 all values that have:			
	RPD ≥ 35%, or Difference > ± 2xCRQL When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),			
	is any RPD ≥ 35% but < 120%?	___	[___]	___/
	is any RPD ≥ 120%?	___	[___]	___/

ACTION:
If the RPD is ≥ 35% but < 120%,

		YES	NO	N/A
	flag only the associated sample and its Field Duplicate results ≥ CRQL as "J". If the RPD is ≥ 120%, reject (R) and red-line only the sample and its Field Duplicate results ≥ CRQL.			
A.1.19.6	When the sample and/or duplicate value(s) <5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and Field Duplicate:			
	> ± 2 x CRQL?	___	[___]	✓
	> ± 4 x CRQL?	___	[___]	___ ✓
	ACTION: If the absolute difference is > 2xCRQL, flag Sample and its Field Duplicate resuts ≥ MDL but <5xCRQL as "J" and non-detects as "UJ". If the difference is >4xCRQL, reject(R) and red-line non-detects and detects ≥ MDL but <5xCRQL of the sample and its Field Duplicate.			
A.1.20	Laboratory Control Sample (LCS)- Form VII			
A.1.20.1	Was one LCS prepared and analyzed for:			
	Each SDG?	[✓]	___	___
	Each matrix type?	[✓]	___	___
	Each batch samples digested/distilled?	[✓]	___	___
	For each Method(ICP-AES,ICP-MS,Hg,CN) used?	[✓]	___	___
	Was an LCS prepared and analyzed with the samples?	[✓]	___	___
	ACTION: If no for any of the above, prepare Telephone Record Log and contact CLP PO or TOPO for submittal of the LCS results. Flag (J) as estimated all the data for which an LCS was not analyzed.			
	NOTE: If only one LCS was analyzed for			

	YES	NO	N/A

more than 20 samples, then the first 20 samples analyzed are not flagged(J), but all additional samples must be qualified (J).

A.1.20.2 Aqueous LCS

Circle on each Form VII the LCS percent recoveries outside control limits 80-120%.

NOTE: 1.Use digested ICV as LCS for aqueous mercury
2.Use distilled ICV as LCS for aqueous cyanide

Is any LCS recovery:

Less than 50%?	___	[✓]	___
Between 50% and 79%?	___	[✓]	___
Between 121% and 150%?	___	[✓]	___
Greater than 150%?	___	[✓]	___

ACTION:
If the LCS recovery is less than 50%, reject (R) and red-line all associated sample data (detects & non-detects); for a recovery between 50-79%, flag detects as "J" all non-detects as "UJ". if the LCS recovery is between 121-150%, flag only detects as "J". if the recovery is greater than 150%, reject (R) and red-line all detects.

A.1.20.3 Solid LCS

If an analyte's MDL is equal to or greater than the true value of LCS, disregard the "Action" below for that analyte even though the LCS is out of control limits.

Is the LCS "Found" value greater than the Upper Control Limit reported on Form VII?	___	[___]	✓

ACTION:

		YES	NO	N/A
	If yes, flag (J) all the associated detects ≥ MDL as estimated (J).			
	Is the LCS "Found" value lower than the Lower Control Limit reported on Form VII?	___	[___]	___/
	ACTION: If yes, flag detects as "J" and non-dectes as "UJ".			
A.1.21	ICP-AES/ICP-MS Serial Dilution - Form VIII NOTE: Serial dilution analysis is required only when the initial concentration is equal to or greater than 50 x MDL.			
A.1.21.1	Was a Serial Dilution analysis performed:			
	For each SDG?	[___]	___/	___
	On one of the SDG samples?	[___]	___/	___
	For each matrix type?	[___]	___/	___
	For each concentration range (low or med.)?	[___]	___/	___
	Was a Serial Dilution sample analyzed with the SDG samples?	[___]	___/	___
	ACTION: If no for any of the above, flag as estimated (J) detects ≥ MDL of all the SDG samples for which the ICP Serial Dilution Analysis was not performed.			
..1.21.2	Was a Field Blank or PE sample used for the Serial Dilution Analysis?	___	[___/]	___
	ACTION: If yes, flag as estimated (J) detects ≥ MDL of all the SDG samples			
.1.21.3	Circle on Form VIII the Percent Differences (%D) between sample results and its dilution results that are outside the control limits ± 10%			

		YES	NO	N/A
	when initial concentrations ≥ 50 x MDLs.			
	Are results outside the control limits flagged with an "E" (Lab Qualifier) on Form VIII and all Form I's?	[___]	___	✓
	ACTION: If no, write in the Contract-Problem/ Non-Compliance Section of the Data Review Narrative.			
A.1.21.4	Are any %D values:			
	> 10%?	___	[___]	✓
	≥ 100%?	___	[___]	✓
	ACTION: If the Percent Difference (%D) is greater than 10%, flag (J) as estimated all associated samples whose raw data ≥ MDL; if the %D is ≥ 100%, reject (R) and red-line all associated samples with raw data ≥ MDL.			
	(NOTE:Replace "E" with "J" or "R" as appropriate.)			
A.1.22	Total/Dissolved or Inorganic/Total Analytes			
A.1.22.1	Were any analyses performed for dissolved as well as total analytes on the same sample(s)?	✓	[___]	___
	Were any analyses performed for inorganic as well as total analytes on the same sample(s)?	___	[✓]	___
	ACTION: If yes, prepare a Form (Appendix A.5) to compare the differences between dissolved (or inorganic) and total analyte concentrations. Compute each difference on Appendix A.5 as a percent of the total analyte only when both of the following conditions are fulfilled:			
	(1) The dissolved (or inorganic) concentration is greater than total concentration, and (2) greater than or equal to 5x ~~MDL~~ RL per professional judgment.			
1.22.2	Is any dissolved (or inorganic) concentration greater than its total concentration by more than 20%?	___	[✓]	___

		YES	NO	N/A
A.1.22.3	Is any dissolved (or inorganic) concentration greater than its total concentration by more than 50%?	___	[✓]	___

ACTION:
If the percent difference is greater than 20%, flag (J) both dissolved/inorganic and total concentrations as estimated. If the difference is more than 50%, reject (R) and red-line both the values.

A.1.23 Field Blank - Form I

NOTE: Designate "Field Blank" as such on Form I

A.1.23.1	Was a Field/Rinsate Bank collected and analyzed with the SDG samples?	[✓]	___	___
	If yes, is any Field/Rinsate Blank absolute value of an analyte on Form I greater than its CRQL (or 2xMDL when MDL>CRQL)?	✓	[___]	___
	If yes, circle the Field Blank value on Form I that is greater than the CRQL, (or 2 x MDL when MDL > CRQL).			
	Is any Field Blank value greater than CRQL also greater than the Preparation Blank value?	✓	[___]	___
	If yes, is the Field Blank value (> CRQL and > the prep. blank value) already rejected due to other QC criteria?	[___]	✓	___

ACTION:
If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result ≥ MDL but ≤ CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

		YES	NO	N/A
	Prep.Blank value, do not qualify the sample results due to the Field Blank criteria.			
	NOTE: 1. Field Blank result previously rejected due to other criteria cannot be used to qualify field samples. 2. Do not use Rinsate Blank associated with soils to qualify water samples and vice versa.			
A.1.24	Verification of Instrumental Parameters - Form IX, XA, XB, XI			
A.1.24.1	Is verification report present for:			
	Method Detection Limits (Form IX-Annually)?	[✓]	___	___
	ICP-AES Interelement Correction Factors (Form XA & XB -Quarterly)?	[✓]	___	___
	ICP-AES & ICP-MS Linear Ranges (Form XI-Quarterly)?	[✓]	___	___
	ACTION: If no, contact CLP PO/TOPO for submittal from the laboratory.			
A.1.24.2	Method Detection Limits - Form IX			
A.1.24.2.1	Are MDLs present on Form IX for:			
	All the analytes?	[✓]	___	___
	All the instruments used?	[✓]	___	___
	Digested and undigested samples and Calib.Blanks?	✓ [___]	___	___
	ICP-AES and ICP-MS when both instruments are used for the same analyte?	[___]	___	✓
	ACTION: If no for any of the above, prepare Telephone Record Log and contact CLP PO/TOPO for submittal of the MDLs from the laboratory. Report to CLP PO and write in the Contract Problems/ Non-Compliance Section of the Data Review Narrative if the MDL concentration is not less than ½ CRQL.			

		YES	NO	N/A
A.1.24.2.2	Is MDL greater than the CRQL for any analyte?	___	[✓]	___
	If yes, is the analyte concentration on Form I greater than 5 x MDL for the sample analyzed on the instrument whose MDL exceeds CRQL?	[___]	___	✓
	ACTION: If no, flag as estimated (J) all values less than five times MDL for the analyte whose MDL exceeds the CRQL.			
A.1.24.3	Linear Ranges - Form XI			
A.1.24.3.1	Was any sample result higher than the high linear range for ICP-AES or ICP-MS?	___	[✓]	___
	Was any sample result higher than the highest calibration standard for mercury or cyanide?	___	[✓]	___
	If yes for any of the above, was the sample diluted to obtain the result reported on Form I?	[___]	___	✓
	ACTION: If no, flag (J) as estimated the affected detects (≥ MDL) reported on Form I.			
.1.25	ICP-MS Tune Analysis - Form XIV			
.1.25.1	Was the ICP-MS instrument tuned prior to calibration?	[___]	___	✓
	ACTION: If no, reject (R) and red-line all sample data for which tuning was not performed.			
1.25.2	Was the tuning solution analyzed or scanned at least five times consecutively?	[___]	___	✓
	Were all the required isotopes spanning the analytical range present in the tuning solution?	[___]	___	✓
	Was the mass resolution within			

SOP: HW-2 Revision 13 Appendix A.1 Sept. 2006

		YES	NO	N/A
	0.1 amu for each isotope in the tuning solution?	[___]	___	✓
	Was %RSD less than 5% for each isotope of each analyte in the tuning solution?	[___]	___	✓
	ACTION: If no for any of the above, qualify all results ≥ MDL associated with that Tune as estimated "J", and all non-detects associated with that Tune as "UJ".			
A.1.26	ICP-MS Internal Standards - Form XV			
A.1.26.1	Were the Internal Standards added to all the samples and all QC samples and calibration standards (except the Tuning Solution)?	[___]	___	✓
	Were all the target analyte masses bracketed by the masses of the five internal standards?	[___]	___	✓
	ACTION: If none of the Internal Standards was added to the samples, reject (R) and red-line all the associated sample data (detects & non-detects). If internal standards were used but did not cover all the analyte masses, reject (R) and red-line only the analyte results not bracketed by the internal standard masses.			
A.1.26.2	Was the intensity of an Internal Standard in each sample within 60-125% of the intensity of the same Internal Standard in the calibration blank?	[___]	___	✓
	If no, was the original sample diluted two fold, Internal Standard added and the sample re-analyzed?	[___]	___	✓
	Was the %RI for the two fold diluted sample within the acceptance limits (60-125%)?	[___]	___	✓
	ACTION: If no for any of the above, flag detects as "J" and non-detects "UJ" of all the analytes with atomic masses between the atomic mass of the internal standard lighter			

than the affected internal standard, and the atomic mass of the internal standard heavier than the affected internal standard.

A.1.27 Percent Solids of Sediments

A.1.27.1 Are percent solids in sediment(s):

< 50%? ___ [✓] ___

ACTION:
If yes, qualify as estimated (J) all detects and non-detects of a sample that has percent solids less than 50%(i.e.,moisture content greater than 50%).

NOTE:
Flag(J) only the sample results that were not previously flagged due to other QC criteria.

Inorganic Data Review Narrative

Case# _____ Site: _____ Matrix: Soil ____

SDG# _____ Lab: _____ Water ____

Sampling Team: _____ Reviewer: _____ Other _____

A.2.1 Data Validation Flags:
The following flags may have been applied in red by the data validator and must be considered by the data user.

J - This flag indicates the result qualified as estimated

R and Red-Line - A red-line drawn through a sample result indicates unusable value. The red-lined data are known to contain significant errors based on documented information and must not be used by the data user.

U - This data validation qualifier is applied to sample results ≥ MDL when associated blank is contaminated

Fully Usable Data - The results that do not carry "J" or "red-line" are fully usable.

2.2 Laboratory Qualifiers:
The CLP laboratory applies a contractual qualifier on all

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681921A	4801681921A	IRON	3/4/2014			Yes	N	U		U	0.050	0.019	mg/l
4801681921A	4801681921A	LEAD	3/4/2014			Yes	N	U		U	0.0050	0.0030	mg/l
4801681921A	4801681921A	MAGNESIUM	3/4/2014			Yes	N	U		U	0.20	0.043	mg/l
4801681921A	4801681921A	MANGANESE	3/4/2014	0.00085		Yes	Y	J		J	0.0030	0.00040	mg/l
4801681921A	4801681921A	NICKEL	3/4/2014			Yes	N	U		U	0.010	0.0013	mg/l
4801681921A	4801681921A	SELENIUM	3/4/2014			Yes	N	U		U	0.015	0.0087	mg/l
4801681921A	4801681921A	SODIUM	3/4/2014			Yes	N	U		U	1.0	0.32	mg/l
4801681921A	4801681921A	THALLIUM	3/4/2014			Yes	N	U		U	0.020	0.010	mg/l
4801681921A	4801681921A	COPPER	3/4/2014			Yes	N	U		U	0.010	0.0016	mg/l
4801681921A	4801681921A	ZINC	3/4/2014	0.00174		Yes	Y	J		J	0.010	0.0015	mg/l
4801681921A	4801681921A	POTASSIUM	3/4/2014			Yes	N	U		U	0.50	0.10	mg/l
4801681921A	4801681921A	VANADIUM	3/4/2014			Yes	N	U		U	0.0050	0.0015	mg/l
4801681921A	4801681921A	ALUMINUM	3/4/2014			Yes	N	U		U	0.20	0.060	mg/l
4801681921A	4801681921A	CHROMIUM, TOTAL	3/4/2014			Yes	N	U		U	0.0040	0.0010	mg/l
4801681921A	4801681921A	CALCIUM	3/4/2014			Yes	N	U		U	0.50	0.10	mg/l
4801681921A	4801681921A	CADMIUM	3/4/2014			Yes	N	U		U	0.0010	0.00050	mg/l
4801681921A	4801681921A	BERYLLIUM	3/4/2014			Yes	N	U		U	0.0020	0.00030	mg/l
4801681921A	4801681921A	BARIUM	3/4/2014			Yes	N	U		U	0.0020	0.00070	mg/l
4801681921A	4801681921A	ARSENIC	3/4/2014			Yes	N	U		U	0.010	0.0056	mg/l
4801681921A	4801681921A	ANTIMONY	3/4/2014			Yes	N	U		U	0.020	0.0068	mg/l
4801681921A	4801681921A	SILVER	3/4/2014			Yes	N	U		U	0.0030	0.0017	mg/l
4801681921A	4801681921A	COBALT	3/4/2014			Yes	N	U		U	0.0040	0.00063	mg/l
4801684251C	4801684251C	NICKEL	3/6/2014			Yes	N	U		U	0.010	0.0013	mg/l
4801684251C	4801684251C	MANGANESE	3/6/2014			Yes	N	U		U	0.0030	0.00040	mg/l
4801684251C	4801684251C	MAGNESIUM	3/6/2014			Yes	N	U		U	0.20	0.043	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801684251C	4801684251C	BERYLLIUM	3/6/2014			Yes	N	U		U	0.0020	0.00030	mg/l
4801684251C	4801684251C	LEAD	3/6/2014			Yes	N	U		U	0.0050	0.0030	mg/l
4801684251C	4801684251C	CADMIUM	3/6/2014			Yes	N	U		U	0.0010	0.00050	mg/l
4801684251C	4801684251C	IRON	3/6/2014			Yes	N	U		U	0.050	0.019	mg/l
4801684251C	4801684251C	POTASSIUM	3/6/2014			Yes	N	U		U	0.50	0.10	mg/l
4801684251C	4801684251C	COBALT	3/6/2014			Yes	N	U		U	0.0040	0.00063	mg/l
4801684251C	4801684251C	VANADIUM	3/6/2014			Yes	N	U		U	0.0050	0.0015	mg/l
4801684251C	4801684251C	CHROMIUM, TOTAL	3/6/2014	0.00235		Yes	Y	J		J	0.0040	0.0010	mg/l
4801684251C	4801684251C	CALCIUM	3/6/2014			Yes	N	U		U	0.50	0.10	mg/l
4801684251C	4801684251C	COPPER	3/6/2014			Yes	N	U		U	0.010	0.0016	mg/l
4801684251C	4801684251C	SELENIUM	3/6/2014			Yes	N	U		U	0.015	0.0087	mg/l
4801684251C	4801684251C	SILVER	3/6/2014			Yes	N	U		U	0.0030	0.0017	mg/l
4801684251C	4801684251C	THALLIUM	3/6/2014			Yes	N	U		U	0.020	0.010	mg/l
4801684251C	4801684251C	ZINC	3/6/2014	0.00349		Yes	Y	J		J	0.010	0.0015	mg/l
4801684251C	4801684251C	ALUMINUM	3/6/2014			Yes	N	U		U	0.20	0.060	mg/l
4801684251C	4801684251C	ANTIMONY	3/6/2014			Yes	N	U		U	0.020	0.0068	mg/l
4801684251C	4801684251C	ARSENIC	3/6/2014			Yes	N	U		U	0.010	0.0056	mg/l
4801684251C	4801684251C	BARIUM	3/6/2014			Yes	N	U		U	0.0020	0.00070	mg/l
4801684251C	4801684251C	SODIUM	3/6/2014			Yes	N	U		U	1.0	0.32	mg/l
CC-C-001-GW-20140227	480-55331-10	CALCIUM	3/3/2014	137		Yes	Y				0.50	0.10	mg/l
CC-C-001-GW-20140227	480-55331-10	CHROMIUM, TOTAL	3/3/2014	0.0043		Yes	Y				0.0040	0.0010	mg/l
CC-C-001-GW-20140227	480-55331-10	BARIUM	3/3/2014	0.46		Yes	Y				0.0020	0.00070	mg/l
CC-C-001-GW-20140227	480-55331-10	THALLIUM	3/3/2014			Yes	N	U		U	0.020	0.010	mg/l
CC-C-001-GW-20140227	480-55331-10	CADMIUM	3/3/2014			Yes	N	U		U	0.0010	0.00050	mg/l
CC-C-001-GW-20140227	480-55331-10	BERYLLIUM	3/3/2014			Yes	N	U		U	0.0020	0.00030	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-001-GW-20140227	480-55331-10	LEAD	3/3/2014	0.017	Yes	Y				0.0050	0.0030	mg/l
CC-C-001-GW-20140227	480-55331-10	ZINC	3/3/2014	0.063	Yes	Y	B			0.010	0.0015	mg/l
CC-C-001-GW-20140227	480-55331-10	VANADIUM	3/3/2014	0.0025	Yes	Y	J		J	0.0050	0.0015	mg/l
CC-C-001-GW-20140227	480-55331-10	SODIUM	3/3/2014	41.8	Yes	Y				1.0	0.32	mg/l
CC-C-001-GW-20140227	480-55331-10	POTASSIUM	3/3/2014	20.2	Yes	Y				0.50	0.10	mg/l
CC-C-001-GW-20140227	480-55331-10	NICKEL	3/3/2014	0.0038	Yes	Y	J		J	0.010	0.0013	mg/l
CC-C-001-GW-20140227	480-55331-10	SILVER	3/3/2014		Yes	N	U		U	0.0030	0.0017	mg/l
CC-C-001-GW-20140227	480-55331-10	MAGNESIUM	3/3/2014	21.8	Yes	Y				0.20	0.043	mg/l
CC-C-001-GW-20140227	480-55331-10	COPPER	3/3/2014	0.0062	Yes	Y	J		J	0.010	0.0016	mg/l
CC-C-001-GW-20140227	480-55331-10	COBALT	3/3/2014		Yes	N	U		U	0.0040	0.00063	mg/l
CC-C-001-GW-20140227	480-55331-10	MANGANESE	3/3/2014	1.2	Yes	Y	B			0.0030	0.00040	mg/l
CC-C-001-GW-20140227	480-55331-10	ANTIMONY	3/3/2014		Yes	N	U		U	0.020	0.0068	mg/l
CC-C-001-GW-20140227	480-55331-10	ALUMINUM	3/3/2014	0.66	Yes	Y				0.20	0.060	mg/l
CC-C-001-GW-20140227	480-55331-10	SELENIUM	3/4/2014		Yes	N	U		U	0.015	0.0087	mg/l
CC-C-001-GW-20140227	480-55331-10	IRON	3/4/2014	35.7	Yes	Y				0.050	0.019	mg/l
CC-C-001-GW-20140227	480-55331-10	ARSENIC	3/4/2014		Yes	N	U		U	0.010	0.0056	mg/l
CC-C-001-GW-20140227	480-55331-10	CADMIUM	3/6/2014		Yes	N	U		U	0.0010	0.00050	mg/l
CC-C-001-GW-20140227	480-55331-10	ALUMINUM	3/6/2014		Yes	N	U		U	0.20	0.060	mg/l
CC-C-001-GW-20140227	480-55331-10	ANTIMONY	3/6/2014		Yes	N	U		U	0.020	0.0068	mg/l
CC-C-001-GW-20140227	480-55331-10	ARSENIC	3/6/2014		Yes	N	U		U	0.010	0.0056	mg/l
CC-C-001-GW-20140227	480-55331-10	BARIUM	3/6/2014	0.39	Yes	Y				0.0020	0.00070	mg/l
CC-C-001-GW-20140227	480-55331-10	BERYLLIUM	3/6/2014		Yes	N	U		U	0.0020	0.00030	mg/l
CC-C-001-GW-20140227	480-55331-10	MAGNESIUM	3/6/2014	20.6	Yes	Y				0.20	0.043	mg/l
CC-C-001-GW-20140227	480-55331-10	CALCIUM	3/6/2014	142	Yes	Y				0.50	0.10	mg/l
CC-C-001-GW-20140227	480-55331-10	CHROMIUM, TOTAL	3/6/2014	0.002	Yes	Y	BJ	U	U	0.0040	0.0010	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-001-GW-20140227	480-55331-10	VANADIUM	3/6/2014			Yes	N	U		U	0.0050	0.0015	mg/l
CC-C-001-GW-20140227	480-55331-10	COBALT	3/6/2014			Yes	N	U		U	0.0040	0.00063	mg/l
CC-C-001-GW-20140227	480-55331-10	COPPER	3/6/2014			Yes	N	U		U	0.010	0.0016	mg/l
CC-C-001-GW-20140227	480-55331-10	IRON	3/6/2014	26.3		Yes	Y				0.050	0.019	mg/l
CC-C-001-GW-20140227	480-55331-10	LEAD	3/6/2014			Yes	N	U		U	0.0050	0.0030	mg/l
CC-C-001-GW-20140227	480-55331-10	MANGANESE	3/6/2014	1.2		Yes	Y				0.0030	0.00040	mg/l
CC-C-001-GW-20140227	480-55331-10	NICKEL	3/6/2014	0.0017		Yes	Y	J		J	0.010	0.0013	mg/l
CC-C-001-GW-20140227	480-55331-10	POTASSIUM	3/6/2014	19.6		Yes	Y				0.50	0.10	mg/l
CC-C-001-GW-20140227	480-55331-10	SELENIUM	3/6/2014			Yes	N	U		U	0.015	0.0087	mg/l
CC-C-001-GW-20140227	480-55331-10	SILVER	3/6/2014			Yes	N	U		U	0.0030	0.0017	mg/l
CC-C-001-GW-20140227	480-55331-10	THALLIUM	3/6/2014			Yes	N	U		U	0.020	0.010	mg/l
CC-C-001-GW-20140227	480-55331-10	ZINC	3/6/2014	0.0034		Yes	Y	BJ	U	U	0.010	0.0015	mg/l
CC-C-001-GW-20140227	480-55331-10	SODIUM	3/6/2014	39.9		Yes	Y				1.0	0.32	mg/l
CC-C-028-GW-20140226	480-55331-3	ZINC	3/3/2014	0.29		Yes	Y	B			0.010	0.0015	mg/l
CC-C-028-GW-20140226	480-55331-3	BARIUM	3/3/2014	0.26		Yes	Y				0.0020	0.00070	mg/l
CC-C-028-GW-20140226	480-55331-3	CALCIUM	3/3/2014	195		Yes	Y				0.50	0.10	mg/l
CC-C-028-GW-20140226	480-55331-3	VANADIUM	3/3/2014	0.045		Yes	Y				0.0050	0.0015	mg/l
CC-C-028-GW-20140226	480-55331-3	NICKEL	3/3/2014	0.055		Yes	Y				0.010	0.0013	mg/l
CC-C-028-GW-20140226	480-55331-3	MANGANESE	3/3/2014	1		Yes	Y	B			0.0030	0.00040	mg/l
CC-C-028-GW-20140226	480-55331-3	MAGNESIUM	3/3/2014	53.7		Yes	Y				0.20	0.043	mg/l
CC-C-028-GW-20140226	480-55331-3	LEAD	3/3/2014	0.057		Yes	Y				0.0050	0.0030	mg/l
CC-C-028-GW-20140226	480-55331-3	COPPER	3/3/2014	0.074		Yes	Y				0.010	0.0016	mg/l
CC-C-028-GW-20140226	480-55331-3	ALUMINUM	3/3/2014	15.3		Yes	Y				0.20	0.060	mg/l
CC-C-028-GW-20140226	480-55331-3	CHROMIUM, TOTAL	3/3/2014	0.15		Yes	Y				0.0040	0.0010	mg/l
CC-C-028-GW-20140226	480-55331-3	THALLIUM	3/3/2014			Yes	N	U		U	0.020	0.010	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-028-GW-20140226	480-55331-3	CADMIUM	3/3/2014	0.0027		Yes	Y				0.0010	0.00050	mg/l
CC-C-028-GW-20140226	480-55331-3	BERYLLIUM	3/3/2014	0.00067		Yes	Y	J		J	0.0020	0.00030	mg/l
CC-C-028-GW-20140226	480-55331-3	ANTIMONY	3/3/2014	0.086		Yes	Y				0.020	0.0068	mg/l
CC-C-028-GW-20140226	480-55331-3	POTASSIUM	3/3/2014	86.7		Yes	Y				0.50	0.10	mg/l
CC-C-028-GW-20140226	480-55331-3	SILVER	3/3/2014	0.0053		Yes	Y				0.0030	0.0017	mg/l
CC-C-028-GW-20140226	480-55331-3	SODIUM	3/3/2014	1060		Yes	Y				1.0	0.32	mg/l
CC-C-028-GW-20140226	480-55331-3	COBALT	3/3/2014	0.016		Yes	Y				0.0040	0.00063	mg/l
CC-C-028-GW-20140226	480-55331-3	SELENIUM	3/4/2014	0.035		Yes	Y				0.015	0.0087	mg/l
CC-C-028-GW-20140226	480-55331-3	IRON	3/4/2014	72.2		Yes	Y				0.050	0.019	mg/l
CC-C-028-GW-20140226	480-55331-3	ARSENIC	3/4/2014	0.6		Yes	Y				0.010	0.0056	mg/l
CC-C-028-GW-20140226	480-55331-3	BARIUM	3/6/2014	0.092		Yes	Y				0.0020	0.00070	mg/l
CC-C-028-GW-20140226	480-55331-3	ALUMINUM	3/6/2014			Yes	N	U		U	0.20	0.060	mg/l
CC-C-028-GW-20140226	480-55331-3	ARSENIC	3/6/2014	0.071		Yes	Y				0.010	0.0056	mg/l
CC-C-028-GW-20140226	480-55331-3	BERYLLIUM	3/6/2014			Yes	N	U		U	0.0020	0.00030	mg/l
CC-C-028-GW-20140226	480-55331-3	CADMIUM	3/6/2014	0.00056		Yes	Y	J		J	0.0010	0.00050	mg/l
CC-C-028-GW-20140226	480-55331-3	CALCIUM	3/6/2014	187		Yes	Y				0.50	0.10	mg/l
CC-C-028-GW-20140226	480-55331-3	CHROMIUM, TOTAL	3/6/2014	0.0054		Yes	Y	B			0.0040	0.0010	mg/l
CC-C-028-GW-20140226	480-55331-3	COBALT	3/6/2014	0.0013		Yes	Y	J		J	0.0040	0.00063	mg/l
CC-C-028-GW-20140226	480-55331-3	COPPER	3/6/2014			Yes	N	U		U	0.010	0.0016	mg/l
CC-C-028-GW-20140226	480-55331-3	IRON	3/6/2014	0.03		Yes	Y	J		J	0.050	0.019	mg/l
CC-C-028-GW-20140226	480-55331-3	THALLIUM	3/6/2014			Yes	N	U		U	0.020	0.010	mg/l
CC-C-028-GW-20140226	480-55331-3	ANTIMONY	3/6/2014	0.031		Yes	Y				0.020	0.0068	mg/l
CC-C-028-GW-20140226	480-55331-3	LEAD	3/6/2014			Yes	N	U		U	0.0050	0.0030	mg/l
CC-C-028-GW-20140226	480-55331-3	ZINC	3/6/2014	0.0038		Yes	Y	BJ	U	U	0.010	0.0015	mg/l
CC-C-028-GW-20140226	480-55331-3	VANADIUM	3/6/2014			Yes	N	U		U	0.0050	0.0015	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-028-GW-20140226	480-55331-3	SODIUM	3/6/2014	1030		Yes	Y				1.0	0.32	mg/l
CC-C-028-GW-20140226	480-55331-3	SILVER	3/6/2014			Yes	N	U		U	0.0030	0.0017	mg/l
CC-C-028-GW-20140226	480-55331-3	SELENIUM	3/6/2014	0.036		Yes	Y				0.015	0.0087	mg/l
CC-C-028-GW-20140226	480-55331-3	POTASSIUM	3/6/2014	80.8		Yes	Y				0.50	0.10	mg/l
CC-C-028-GW-20140226	480-55331-3	NICKEL	3/6/2014	0.0047		Yes	Y	J		J	0.010	0.0013	mg/l
CC-C-028-GW-20140226	480-55331-3	MANGANESE	3/6/2014	0.57		Yes	Y				0.0030	0.00040	mg/l
CC-C-028-GW-20140226	480-55331-3	MAGNESIUM	3/6/2014	49.3		Yes	Y				0.20	0.043	mg/l
CC-C-048-GW-20140226	480-55331-2	ZINC	3/3/2014	0.11		Yes	Y	B			0.010	0.0015	mg/l
CC-C-048-GW-20140226	480-55331-2	CADMIUM	3/3/2014	0.0024		Yes	Y				0.0010	0.00050	mg/l
CC-C-048-GW-20140226	480-55331-2	MANGANESE	3/3/2014	0.79		Yes	Y	B			0.0030	0.00040	mg/l
CC-C-048-GW-20140226	480-55331-2	THALLIUM	3/3/2014			Yes	N	U		U	0.020	0.010	mg/l
CC-C-048-GW-20140226	480-55331-2	SODIUM	3/3/2014	1520		Yes	Y				1.0	0.32	mg/l
CC-C-048-GW-20140226	480-55331-2	SILVER	3/3/2014			Yes	N	U		U	0.0030	0.0017	mg/l
CC-C-048-GW-20140226	480-55331-2	POTASSIUM	3/3/2014	83.4		Yes	Y				0.50	0.10	mg/l
CC-C-048-GW-20140226	480-55331-2	NICKEL	3/3/2014	0.12		Yes	Y				0.010	0.0013	mg/l
CC-C-048-GW-20140226	480-55331-2	VANADIUM	3/3/2014	0.064		Yes	Y				0.0050	0.0015	mg/l
CC-C-048-GW-20140226	480-55331-2	MAGNESIUM	3/3/2014	121		Yes	Y				0.20	0.043	mg/l
CC-C-048-GW-20140226	480-55331-2	LEAD	3/3/2014	0.031		Yes	Y				0.0050	0.0030	mg/l
CC-C-048-GW-20140226	480-55331-2	COPPER	3/3/2014	0.14		Yes	Y				0.010	0.0016	mg/l
CC-C-048-GW-20140226	480-55331-2	COBALT	3/3/2014	0.015		Yes	Y				0.0040	0.00063	mg/l
CC-C-048-GW-20140226	480-55331-2	CALCIUM	3/3/2014	79.2		Yes	Y				0.50	0.10	mg/l
CC-C-048-GW-20140226	480-55331-2	BARIUM	3/3/2014	0.11		Yes	Y				0.0020	0.00070	mg/l
CC-C-048-GW-20140226	480-55331-2	ALUMINUM	3/3/2014	24.1		Yes	Y				0.20	0.060	mg/l
CC-C-048-GW-20140226	480-55331-2	BERYLLIUM	3/3/2014	0.0012		Yes	Y	J		J	0.0020	0.00030	mg/l
CC-C-048-GW-20140226	480-55331-2	CHROMIUM, TOTAL	3/3/2014	0.41		Yes	Y				0.0040	0.0010	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-048-GW-20140226	480-55331-2	ANTIMONY	3/3/2014	0.0099	Yes	Y	J		J	0.020	0.0068	mg/l
CC-C-048-GW-20140226	480-55331-2	IRON	3/4/2014	63.9	Yes	Y				0.050	0.019	mg/l
CC-C-048-GW-20140226	480-55331-2	ARSENIC	3/4/2014	0.59	Yes	Y				0.010	0.0056	mg/l
CC-C-048-GW-20140226	480-55331-2	SELENIUM	3/4/2014	0.079	Yes	Y				0.015	0.0087	mg/l
CC-C-048-GW-20140226	480-55331-2	LEAD	3/6/2014		Yes	N	U		U	0.0050	0.0030	mg/l
CC-C-048-GW-20140226	480-55331-2	ZINC	3/6/2014	0.015	Yes	Y	B			0.010	0.0015	mg/l
CC-C-048-GW-20140226	480-55331-2	VANADIUM	3/6/2014	0.038	Yes	Y				0.0050	0.0015	mg/l
CC-C-048-GW-20140226	480-55331-2	THALLIUM	3/6/2014		Yes	N	U		U	0.020	0.010	mg/l
CC-C-048-GW-20140226	480-55331-2	SODIUM	3/6/2014	1500	Yes	Y				1.0	0.32	mg/l
CC-C-048-GW-20140226	480-55331-2	SILVER	3/6/2014		Yes	N	U		U	0.0030	0.0017	mg/l
CC-C-048-GW-20140226	480-55331-2	SELENIUM	3/6/2014	0.089	Yes	Y				0.015	0.0087	mg/l
CC-C-048-GW-20140226	480-55331-2	POTASSIUM	3/6/2014	75.8	Yes	Y				0.50	0.10	mg/l
CC-C-048-GW-20140226	480-55331-2	NICKEL	3/6/2014	0.0067	Yes	Y	J		J	0.010	0.0013	mg/l
CC-C-048-GW-20140226	480-55331-2	MAGNESIUM	3/6/2014	115	Yes	Y				0.20	0.043	mg/l
CC-C-048-GW-20140226	480-55331-2	BERYLLIUM	3/6/2014		Yes	N	U		U	0.0020	0.00030	mg/l
CC-C-048-GW-20140226	480-55331-2	IRON	3/6/2014	1.2	Yes	Y				0.050	0.019	mg/l
CC-C-048-GW-20140226	480-55331-2	COPPER	3/6/2014	0.0024	Yes	Y	J		J	0.010	0.0016	mg/l
CC-C-048-GW-20140226	480-55331-2	COBALT	3/6/2014	0.0013	Yes	Y	J		J	0.0040	0.00063	mg/l
CC-C-048-GW-20140226	480-55331-2	CHROMIUM, TOTAL	3/6/2014	0.064	Yes	Y	B			0.0040	0.0010	mg/l
CC-C-048-GW-20140226	480-55331-2	CALCIUM	3/6/2014	72.6	Yes	Y				0.50	0.10	mg/l
CC-C-048-GW-20140226	480-55331-2	CADMIUM	3/6/2014	0.0012	Yes	Y				0.0010	0.00050	mg/l
CC-C-048-GW-20140226	480-55331-2	BARIUM	3/6/2014	0.02	Yes	Y				0.0020	0.00070	mg/l
CC-C-048-GW-20140226	480-55331-2	ANTIMONY	3/6/2014	0.007	Yes	Y	J		J	0.020	0.0068	mg/l
CC-C-048-GW-20140226	480-55331-2	ALUMINUM	3/6/2014	0.06	Yes	Y	J		J	0.20	0.060	mg/l
CC-C-048-GW-20140226	480-55331-2	MANGANESE	3/6/2014	0.25	Yes	Y				0.0030	0.00040	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-048-GW-20140226	480-55331-2	ARSENIC	3/6/2014	0.32	Yes	Y				0.010	0.0056	mg/l
CC-C-051-GW-20140226	480-55331-4	COBALT	3/3/2014	0.34	Yes	Y				0.0040	0.00063	mg/l
CC-C-051-GW-20140226	480-55331-4	ALUMINUM	3/3/2014	589	Yes	Y				0.20	0.060	mg/l
CC-C-051-GW-20140226	480-55331-4	MANGANESE	3/3/2014	5	Yes	Y	B	J	J	0.0030	0.00040	mg/l
CC-C-051-GW-20140226	480-55331-4	CADMIUM	3/3/2014	0.0036	Yes	Y				0.0010	0.00050	mg/l
CC-C-051-GW-20140226	480-55331-4	BERYLLIUM	3/3/2014	0.022	Yes	Y				0.0020	0.00030	mg/l
CC-C-051-GW-20140226	480-55331-4	BARIUM	3/3/2014	1.8	Yes	Y				0.0020	0.00070	mg/l
CC-C-051-GW-20140226	480-55331-4	LEAD	3/3/2014	1.2	Yes	Y		J	J	0.0050	0.0030	mg/l
CC-C-051-GW-20140226	480-55331-4	CHROMIUM, TOTAL	3/3/2014	1	Yes	Y				0.0040	0.0010	mg/l
CC-C-051-GW-20140226	480-55331-4	ANTIMONY	3/3/2014		Yes	N	U		U	0.020	0.0068	mg/l
CC-C-051-GW-20140226	480-55331-4	COPPER	3/3/2014	2	Yes	Y				0.010	0.0016	mg/l
CC-C-051-GW-20140226	480-55331-4	MAGNESIUM	3/3/2014	41.1	Yes	Y				0.20	0.043	mg/l
CC-C-051-GW-20140226	480-55331-4	ZINC	3/3/2014	1.6	Yes	Y	B			0.010	0.0015	mg/l
CC-C-051-GW-20140226	480-55331-4	VANADIUM	3/3/2014	0.84	Yes	Y				0.0050	0.0015	mg/l
CC-C-051-GW-20140226	480-55331-4	SODIUM	3/3/2014	30.3	Yes	Y				1.0	0.32	mg/l
CC-C-051-GW-20140226	480-55331-4	POTASSIUM	3/3/2014	54.8	Yes	Y				0.50	0.10	mg/l
CC-C-051-GW-20140226	480-55331-4	NICKEL	3/3/2014	1.3	Yes	Y				0.010	0.0013	mg/l
CC-C-051-GW-20140226	480-55331-4	CALCIUM	3/3/2014	364	Yes	Y				0.50	0.10	mg/l
CC-C-051-GW-20140226	480-55331-4	IRON	3/4/2014	751	Yes	Y				0.050	0.019	mg/l
CC-C-051-GW-20140226	480-55331-4	SELENIUM	3/4/2014		Yes	N	U		U	0.015	0.0087	mg/l
CC-C-051-GW-20140226	480-55331-4	ARSENIC	3/4/2014	0.14	Yes	Y				0.010	0.0056	mg/l
CC-C-051-GW-20140226	480-55331-4	SILVER	3/4/2014		Yes	N	U		U	0.015	0.0085	mg/l
CC-C-051-GW-20140226	480-55331-4	THALLIUM	3/4/2014		Yes	N	U		U	0.10	0.051	mg/l
CC-C-051-GW-20140226	480-55331-4	BERYLLIUM	3/6/2014		Yes	N	U		U	0.0020	0.00030	mg/l
CC-C-051-GW-20140226	480-55331-4	POTASSIUM	3/6/2014	21.3	Yes	Y				0.50	0.10	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	SELENIUM	3/6/2014			Yes	N	U		U	0.015	0.0087	mg/l
CC-C-051-GW-20140226	480-55331-4	SODIUM	3/6/2014	93.2		Yes	Y				1.0	0.32	mg/l
CC-C-051-GW-20140226	480-55331-4	ALUMINUM	3/6/2014	0.16		Yes	Y	J		J	0.20	0.060	mg/l
CC-C-051-GW-20140226	480-55331-4	SILVER	3/6/2014			Yes	N	U		U	0.0030	0.0017	mg/l
CC-C-051-GW-20140226	480-55331-4	CADMIUM	3/6/2014			Yes	N	U		U	0.0010	0.00050	mg/l
CC-C-051-GW-20140226	480-55331-4	CALCIUM	3/6/2014	35.8		Yes	Y				0.50	0.10	mg/l
CC-C-051-GW-20140226	480-55331-4	NICKEL	3/6/2014	0.017		Yes	Y				0.010	0.0013	mg/l
CC-C-051-GW-20140226	480-55331-4	THALLIUM	3/6/2014			Yes	N	U		U	0.020	0.010	mg/l
CC-C-051-GW-20140226	480-55331-4	MAGNESIUM	3/6/2014	1.9		Yes	Y				0.20	0.043	mg/l
CC-C-051-GW-20140226	480-55331-4	ANTIMONY	3/6/2014			Yes	N	U		U	0.020	0.0068	mg/l
CC-C-051-GW-20140226	480-55331-4	ARSENIC	3/6/2014			Yes	N	U		U	0.010	0.0056	mg/l
CC-C-051-GW-20140226	480-55331-4	LEAD	3/6/2014			Yes	N	U		U	0.0050	0.0030	mg/l
CC-C-051-GW-20140226	480-55331-4	BARIUM	3/6/2014	0.024		Yes	Y				0.0020	0.00070	mg/l
CC-C-051-GW-20140226	480-55331-4	IRON	3/6/2014			Yes	N	U		U	0.050	0.019	mg/l
CC-C-051-GW-20140226	480-55331-4	COPPER	3/6/2014			Yes	N	U		U	0.010	0.0016	mg/l
CC-C-051-GW-20140226	480-55331-4	COBALT	3/6/2014			Yes	N	U		U	0.0040	0.00063	mg/l
CC-C-051-GW-20140226	480-55331-4	MANGANESE	3/6/2014	0.0043		Yes	Y				0.0030	0.00040	mg/l
CC-C-051-GW-20140226	480-55331-4	ZINC	3/6/2014	0.0028		Yes	Y	BJ	U	U	0.010	0.0015	mg/l
CC-C-051-GW-20140226	480-55331-4	VANADIUM	3/6/2014	0.0027		Yes	Y	J		J	0.0050	0.0015	mg/l
CC-C-051-GW-20140226	480-55331-4	CHROMIUM, TOTAL	3/6/2014	0.0035		Yes	Y	BJ	U	U	0.0040	0.0010	mg/l
FB004-GW-20140226	480-55331-7	CALCIUM	3/3/2014	0.14		Yes	Y	J		J	0.50	0.10	mg/l
FB004-GW-20140226	480-55331-7	NICKEL	3/3/2014			Yes	N	U		U	0.010	0.0013	mg/l
FB004-GW-20140226	480-55331-7	MANGANESE	3/3/2014	0.0034		Yes	Y	B			0.0030	0.00040	mg/l
FB004-GW-20140226	480-55331-7	MAGNESIUM	3/3/2014			Yes	N	U		U	0.20	0.043	mg/l
FB004-GW-20140226	480-55331-7	LEAD	3/3/2014			Yes	N	U		U	0.0050	0.0030	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB004-GW-20140226	480-55331-7	COPPER	3/3/2014			Yes	N	U		U	0.010	0.0016	mg/l
FB004-GW-20140226	480-55331-7	CHROMIUM, TOTAL	3/3/2014			Yes	N	U		U	0.0040	0.0010	mg/l
FB004-GW-20140226	480-55331-7	POTASSIUM	3/3/2014			Yes	N	U		U	0.50	0.10	mg/l
FB004-GW-20140226	480-55331-7	CADMIUM	3/3/2014			Yes	N	U		U	0.0010	0.00050	mg/l
FB004-GW-20140226	480-55331-7	BERYLLIUM	3/3/2014			Yes	N	U		U	0.0020	0.00030	mg/l
FB004-GW-20140226	480-55331-7	BARIUM	3/3/2014	0.00091		Yes	Y	J		J	0.0020	0.00070	mg/l
FB004-GW-20140226	480-55331-7	ANTIMONY	3/3/2014			Yes	N	U		U	0.020	0.0068	mg/l
FB004-GW-20140226	480-55331-7	ALUMINUM	3/3/2014	0.13		Yes	Y	J		J	0.20	0.060	mg/l
FB004-GW-20140226	480-55331-7	COBALT	3/3/2014			Yes	N	U		U	0.0040	0.00063	mg/l
FB004-GW-20140226	480-55331-7	SODIUM	3/3/2014			Yes	N	U		U	1.0	0.32	mg/l
FB004-GW-20140226	480-55331-7	SILVER	3/3/2014			Yes	N	U		U	0.0030	0.0017	mg/l
FB004-GW-20140226	480-55331-7	ZINC	3/3/2014	0.0023		Yes	Y	BJ	U	U	0.010	0.0015	mg/l
FB004-GW-20140226	480-55331-7	VANADIUM	3/3/2014			Yes	N	U		U	0.0050	0.0015	mg/l
FB004-GW-20140226	480-55331-7	THALLIUM	3/3/2014			Yes	N	U		U	0.020	0.010	mg/l
FB004-GW-20140226	480-55331-7	SELENIUM	3/4/2014			Yes	N	U		U	0.015	0.0087	mg/l
FB004-GW-20140226	480-55331-7	IRON	3/4/2014			Yes	N	U		U	0.050	0.019	mg/l
FB004-GW-20140226	480-55331-7	ARSENIC	3/4/2014			Yes	N	U		U	0.010	0.0056	mg/l
GM-11-20140226	480-55331-1	ARSENIC	3/3/2014			Yes	N	U		U	0.010	0.0056	mg/l
GM-11-20140226	480-55331-1	COBALT	3/3/2014	0.0014		Yes	Y	J		J	0.0040	0.00063	mg/l
GM-11-20140226	480-55331-1	POTASSIUM	3/3/2014	0.67		Yes	Y				0.50	0.10	mg/l
GM-11-20140226	480-55331-1	IRON	3/3/2014	0.6		Yes	Y				0.050	0.019	mg/l
GM-11-20140226	480-55331-1	NICKEL	3/3/2014	0.0064		Yes	Y	J		J	0.010	0.0013	mg/l
GM-11-20140226	480-55331-1	VANADIUM	3/3/2014			Yes	N	U		U	0.0050	0.0015	mg/l
GM-11-20140226	480-55331-1	LEAD	3/3/2014			Yes	N	U		U	0.0050	0.0030	mg/l
GM-11-20140226	480-55331-1	THALLIUM	3/3/2014			Yes	N	U		U	0.020	0.010	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
GM-11-20140226	480-55331-1	SODIUM	3/3/2014	8.1		Yes	Y				1.0	0.32	mg/l
GM-11-20140226	480-55331-1	SILVER	3/3/2014			Yes	N	U		U	0.0030	0.0017	mg/l
GM-11-20140226	480-55331-1	SELENIUM	3/3/2014			Yes	N	U		U	0.015	0.0087	mg/l
GM-11-20140226	480-55331-1	MAGNESIUM	3/3/2014	2.6		Yes	Y				0.20	0.043	mg/l
GM-11-20140226	480-55331-1	MANGANESE	3/3/2014	0.23		Yes	Y	B			0.0030	0.00040	mg/l
GM-11-20140226	480-55331-1	COPPER	3/3/2014	0.0031		Yes	Y	J		J	0.010	0.0016	mg/l
GM-11-20140226	480-55331-1	BARIUM	3/3/2014	0.055		Yes	Y				0.0020	0.00070	mg/l
GM-11-20140226	480-55331-1	CHROMIUM, TOTAL	3/3/2014			Yes	N	U		U	0.0040	0.0010	mg/l
GM-11-20140226	480-55331-1	CALCIUM	3/3/2014	5		Yes	Y				0.50	0.10	mg/l
GM-11-20140226	480-55331-1	CADMIUM	3/3/2014	0.00055		Yes	Y	J		J	0.0010	0.00050	mg/l
GM-11-20140226	480-55331-1	BERYLLIUM	3/3/2014	0.00081		Yes	Y	J		J	0.0020	0.00030	mg/l
GM-11-20140226	480-55331-1	ZINC	3/3/2014	0.01		Yes	Y	B			0.010	0.0015	mg/l
GM-11-20140226	480-55331-1	ANTIMONY	3/3/2014			Yes	N	U		U	0.020	0.0068	mg/l
GM-11-20140226	480-55331-1	ALUMINUM	3/3/2014	0.95		Yes	Y				0.20	0.060	mg/l
GM-11-20140226	480-55331-1	CALCIUM	3/6/2014	4.7		Yes	Y				0.50	0.10	mg/l
GM-11-20140226	480-55331-1	CADMIUM	3/6/2014			Yes	N	U		U	0.0010	0.00050	mg/l
GM-11-20140226	480-55331-1	BERYLLIUM	3/6/2014	0.00058		Yes	Y	J		J	0.0020	0.00030	mg/l
GM-11-20140226	480-55331-1	BARIUM	3/6/2014	0.047		Yes	Y				0.0020	0.00070	mg/l
GM-11-20140226	480-55331-1	ARSENIC	3/6/2014			Yes	N	U		U	0.010	0.0056	mg/l
GM-11-20140226	480-55331-1	ALUMINUM	3/6/2014	0.41		Yes	Y				0.20	0.060	mg/l
GM-11-20140226	480-55331-1	SODIUM	3/6/2014	8		Yes	Y				1.0	0.32	mg/l
GM-11-20140226	480-55331-1	MANGANESE	3/6/2014	0.2		Yes	Y				0.0030	0.00040	mg/l
GM-11-20140226	480-55331-1	NICKEL	3/6/2014	0.0057		Yes	Y	J		J	0.010	0.0013	mg/l
GM-11-20140226	480-55331-1	POTASSIUM	3/6/2014	0.52		Yes	Y				0.50	0.10	mg/l
GM-11-20140226	480-55331-1	ANTIMONY	3/6/2014			Yes	N	U		U	0.020	0.0068	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
GM-11-20140226	480-55331-1	SILVER	3/6/2014			Yes	N	U		U	0.0030	0.0017	mg/l
GM-11-20140226	480-55331-1	THALLIUM	3/6/2014			Yes	N	U		U	0.020	0.010	mg/l
GM-11-20140226	480-55331-1	VANADIUM	3/6/2014			Yes	N	U		U	0.0050	0.0015	mg/l
GM-11-20140226	480-55331-1	ZINC	3/6/2014	0.016		Yes	Y	B			0.010	0.0015	mg/l
GM-11-20140226	480-55331-1	CHROMIUM, TOTAL	3/6/2014	0.0015		Yes	Y	BJ	U	U	0.0040	0.0010	mg/l
GM-11-20140226	480-55331-1	COBALT	3/6/2014	0.0011		Yes	Y	J		J	0.0040	0.00063	mg/l
GM-11-20140226	480-55331-1	MAGNESIUM	3/6/2014	2.3		Yes	Y				0.20	0.043	mg/l
GM-11-20140226	480-55331-1	COPPER	3/6/2014	0.0019		Yes	Y	J		J	0.010	0.0016	mg/l
GM-11-20140226	480-55331-1	IRON	3/6/2014			Yes	N	U		U	0.050	0.019	mg/l
GM-11-20140226	480-55331-1	LEAD	3/6/2014			Yes	N	U		U	0.0050	0.0030	mg/l
GM-11-20140226	480-55331-1	SELENIUM	3/6/2014			Yes	N	U		U	0.015	0.0087	mg/l
LT-C-054-GW-20140226	480-55331-5	THALLIUM	3/3/2014			Yes	N	U		U	0.020	0.010	mg/l
LT-C-054-GW-20140226	480-55331-5	CHROMIUM, TOTAL	3/3/2014	0.15		Yes	Y				0.0040	0.0010	mg/l
LT-C-054-GW-20140226	480-55331-5	ZINC	3/3/2014	0.23		Yes	Y	B			0.010	0.0015	mg/l
LT-C-054-GW-20140226	480-55331-5	VANADIUM	3/3/2014	0.18		Yes	Y				0.0050	0.0015	mg/l
LT-C-054-GW-20140226	480-55331-5	CADMIUM	3/3/2014	0.0046		Yes	Y				0.0010	0.00050	mg/l
LT-C-054-GW-20140226	480-55331-5	ALUMINUM	3/3/2014	60.6		Yes	Y				0.20	0.060	mg/l
LT-C-054-GW-20140226	480-55331-5	ANTIMONY	3/3/2014			Yes	N	U		U	0.020	0.0068	mg/l
LT-C-054-GW-20140226	480-55331-5	COPPER	3/3/2014	0.16		Yes	Y				0.010	0.0016	mg/l
LT-C-054-GW-20140226	480-55331-5	BERYLLIUM	3/3/2014	0.0031		Yes	Y				0.0020	0.00030	mg/l
LT-C-054-GW-20140226	480-55331-5	SODIUM	3/3/2014	63.3		Yes	Y				1.0	0.32	mg/l
LT-C-054-GW-20140226	480-55331-5	CALCIUM	3/3/2014	40.1		Yes	Y				0.50	0.10	mg/l
LT-C-054-GW-20140226	480-55331-5	COBALT	3/3/2014	0.072		Yes	Y				0.0040	0.00063	mg/l
LT-C-054-GW-20140226	480-55331-5	LEAD	3/3/2014	0.061		Yes	Y		J	J	0.0050	0.0030	mg/l
LT-C-054-GW-20140226	480-55331-5	MAGNESIUM	3/3/2014	32.7		Yes	Y				0.20	0.043	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	MANGANESE	3/3/2014	5.9		Yes	Y	B	J	J	0.0030	0.00040	mg/l
LT-C-054-GW-20140226	480-55331-5	NICKEL	3/3/2014	0.1		Yes	Y				0.010	0.0013	mg/l
LT-C-054-GW-20140226	480-55331-5	POTASSIUM	3/3/2014	20		Yes	Y				0.50	0.10	mg/l
LT-C-054-GW-20140226	480-55331-5	BARIUM	3/3/2014	1.2		Yes	Y				0.0020	0.00070	mg/l
LT-C-054-GW-20140226	480-55331-5	IRON	3/4/2014	280		Yes	Y				0.050	0.019	mg/l
LT-C-054-GW-20140226	480-55331-5	ARSENIC	3/4/2014	0.12		Yes	Y				0.010	0.0056	mg/l
LT-C-054-GW-20140226	480-55331-5	SILVER	3/4/2014			Yes	N	U		U	0.0030	0.0017	mg/l
LT-C-054-GW-20140226	480-55331-5	SELENIUM	3/4/2014			Yes	N	U		U	0.015	0.0087	mg/l
LT-C-054-GW-20140226	480-55331-5	VANADIUM	3/6/2014			Yes	N	U		U	0.0050	0.0015	mg/l
LT-C-054-GW-20140226	480-55331-5	MANGANESE	3/6/2014	4.2		Yes	Y				0.0030	0.00040	mg/l
LT-C-054-GW-20140226	480-55331-5	CALCIUM	3/6/2014	41.2		Yes	Y				0.50	0.10	mg/l
LT-C-054-GW-20140226	480-55331-5	LEAD	3/6/2014			Yes	N	U		U	0.0050	0.0030	mg/l
LT-C-054-GW-20140226	480-55331-5	THALLIUM	3/6/2014			Yes	N	U		U	0.020	0.010	mg/l
LT-C-054-GW-20140226	480-55331-5	SODIUM	3/6/2014	69.3		Yes	Y				1.0	0.32	mg/l
LT-C-054-GW-20140226	480-55331-5	ALUMINUM	3/6/2014			Yes	N	U		U	0.20	0.060	mg/l
LT-C-054-GW-20140226	480-55331-5	ANTIMONY	3/6/2014			Yes	N	U		U	0.020	0.0068	mg/l
LT-C-054-GW-20140226	480-55331-5	ARSENIC	3/6/2014			Yes	N	U		U	0.010	0.0056	mg/l
LT-C-054-GW-20140226	480-55331-5	BARIUM	3/6/2014	0.32		Yes	Y				0.0020	0.00070	mg/l
LT-C-054-GW-20140226	480-55331-5	SILVER	3/6/2014			Yes	N	U		U	0.0030	0.0017	mg/l
LT-C-054-GW-20140226	480-55331-5	CADMIUM	3/6/2014			Yes	N	U		U	0.0010	0.00050	mg/l
LT-C-054-GW-20140226	480-55331-5	ZINC	3/6/2014	0.0028		Yes	Y	BJ	U	U	0.010	0.0015	mg/l
LT-C-054-GW-20140226	480-55331-5	CHROMIUM, TOTAL	3/6/2014	0.0022		Yes	Y	BJ	U	U	0.0040	0.0010	mg/l
LT-C-054-GW-20140226	480-55331-5	COBALT	3/6/2014	0.0059		Yes	Y				0.0040	0.00063	mg/l
LT-C-054-GW-20140226	480-55331-5	COPPER	3/6/2014			Yes	N	U		U	0.010	0.0016	mg/l
LT-C-054-GW-20140226	480-55331-5	IRON	3/6/2014	3.5		Yes	Y				0.050	0.019	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	MAGNESIUM	3/6/2014	22.9	Yes	Y				0.20	0.043	mg/l
LT-C-054-GW-20140226	480-55331-5	NICKEL	3/6/2014	0.004	Yes	Y	J		J	0.010	0.0013	mg/l
LT-C-054-GW-20140226	480-55331-5	POTASSIUM	3/6/2014	9.9	Yes	Y				0.50	0.10	mg/l
LT-C-054-GW-20140226	480-55331-5	SELENIUM	3/6/2014		Yes	N	U		U	0.015	0.0087	mg/l
LT-C-054-GW-20140226	480-55331-5	BERYLLIUM	3/6/2014		Yes	N	U		U	0.0020	0.00030	mg/l
LT-G-010-GW-20140227	480-55331-9	CADMIUM	3/3/2014	0.00089	Yes	Y	J		J	0.0010	0.00050	mg/l
LT-G-010-GW-20140227	480-55331-9	POTASSIUM	3/3/2014	9.6	Yes	Y				0.50	0.10	mg/l
LT-G-010-GW-20140227	480-55331-9	NICKEL	3/3/2014	0.063	Yes	Y				0.010	0.0013	mg/l
LT-G-010-GW-20140227	480-55331-9	MANGANESE	3/3/2014	2.7	Yes	Y	B			0.0030	0.00040	mg/l
LT-G-010-GW-20140227	480-55331-9	MAGNESIUM	3/3/2014	26.6	Yes	Y				0.20	0.043	mg/l
LT-G-010-GW-20140227	480-55331-9	LEAD	3/3/2014	0.042	Yes	Y				0.0050	0.0030	mg/l
LT-G-010-GW-20140227	480-55331-9	COPPER	3/3/2014	0.067	Yes	Y				0.010	0.0016	mg/l
LT-G-010-GW-20140227	480-55331-9	COBALT	3/3/2014	0.012	Yes	Y				0.0040	0.00063	mg/l
LT-G-010-GW-20140227	480-55331-9	SILVER	3/3/2014		Yes	N	U		U	0.0030	0.0017	mg/l
LT-G-010-GW-20140227	480-55331-9	CALCIUM	3/3/2014	104	Yes	Y				0.50	0.10	mg/l
LT-G-010-GW-20140227	480-55331-9	ZINC	3/3/2014	0.084	Yes	Y	B			0.010	0.0015	mg/l
LT-G-010-GW-20140227	480-55331-9	BERYLLIUM	3/3/2014	0.00038	Yes	Y	J		J	0.0020	0.00030	mg/l
LT-G-010-GW-20140227	480-55331-9	BARIUM	3/3/2014	0.24	Yes	Y				0.0020	0.00070	mg/l
LT-G-010-GW-20140227	480-55331-9	ANTIMONY	3/3/2014		Yes	N	U		U	0.020	0.0068	mg/l
LT-G-010-GW-20140227	480-55331-9	ALUMINUM	3/3/2014	13.7	Yes	Y				0.20	0.060	mg/l
LT-G-010-GW-20140227	480-55331-9	SODIUM	3/3/2014	23.9	Yes	Y				1.0	0.32	mg/l
LT-G-010-GW-20140227	480-55331-9	THALLIUM	3/3/2014		Yes	N	U		U	0.020	0.010	mg/l
LT-G-010-GW-20140227	480-55331-9	VANADIUM	3/3/2014	0.033	Yes	Y				0.0050	0.0015	mg/l
LT-G-010-GW-20140227	480-55331-9	CHROMIUM, TOTAL	3/3/2014	0.16	Yes	Y				0.0040	0.0010	mg/l
LT-G-010-GW-20140227	480-55331-9	IRON	3/4/2014	64.4	Yes	Y				0.050	0.019	mg/l

SDG: 480553311

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-010-GW-20140227	480-55331-9	ARSENIC	3/4/2014	0.012		Yes	Y				0.010	0.0056	mg/l
LT-G-010-GW-20140227	480-55331-9	SELENIUM	3/4/2014			Yes	N	U		U	0.015	0.0087	mg/l
LT-G-010-GW-20140227	480-55331-9	COBALT	3/6/2014	0.0011		Yes	Y	J		J	0.0040	0.00063	mg/l
LT-G-010-GW-20140227	480-55331-9	SILVER	3/6/2014			Yes	N	U		U	0.0030	0.0017	mg/l
LT-G-010-GW-20140227	480-55331-9	LEAD	3/6/2014			Yes	N	U		U	0.0050	0.0030	mg/l
LT-G-010-GW-20140227	480-55331-9	MANGANESE	3/6/2014	2.4		Yes	Y				0.0030	0.00040	mg/l
LT-G-010-GW-20140227	480-55331-9	NICKEL	3/6/2014	0.0076		Yes	Y	J		J	0.010	0.0013	mg/l
LT-G-010-GW-20140227	480-55331-9	IRON	3/6/2014	1.6		Yes	Y				0.050	0.019	mg/l
LT-G-010-GW-20140227	480-55331-9	COPPER	3/6/2014			Yes	N	U		U	0.010	0.0016	mg/l
LT-G-010-GW-20140227	480-55331-9	POTASSIUM	3/6/2014	6.8		Yes	Y				0.50	0.10	mg/l
LT-G-010-GW-20140227	480-55331-9	CHROMIUM, TOTAL	3/6/2014	0.0022		Yes	Y	BJ	U	U	0.0040	0.0010	mg/l
LT-G-010-GW-20140227	480-55331-9	CADMIUM	3/6/2014			Yes	N	U		U	0.0010	0.00050	mg/l
LT-G-010-GW-20140227	480-55331-9	BERYLLIUM	3/6/2014			Yes	N	U		U	0.0020	0.00030	mg/l
LT-G-010-GW-20140227	480-55331-9	BARIUM	3/6/2014	0.1		Yes	Y				0.0020	0.00070	mg/l
LT-G-010-GW-20140227	480-55331-9	ARSENIC	3/6/2014			Yes	N	U		U	0.010	0.0056	mg/l
LT-G-010-GW-20140227	480-55331-9	ANTIMONY	3/6/2014			Yes	N	U		U	0.020	0.0068	mg/l
LT-G-010-GW-20140227	480-55331-9	MAGNESIUM	3/6/2014	23.9		Yes	Y				0.20	0.043	mg/l
LT-G-010-GW-20140227	480-55331-9	SELENIUM	3/6/2014			Yes	N	U		U	0.015	0.0087	mg/l
LT-G-010-GW-20140227	480-55331-9	SODIUM	3/6/2014	23.8		Yes	Y				1.0	0.32	mg/l
LT-G-010-GW-20140227	480-55331-9	THALLIUM	3/6/2014			Yes	N	U		U	0.020	0.010	mg/l
LT-G-010-GW-20140227	480-55331-9	VANADIUM	3/6/2014			Yes	N	U		U	0.0050	0.0015	mg/l
LT-G-010-GW-20140227	480-55331-9	ZINC	3/6/2014	0.0042		Yes	Y	BJ	U	U	0.010	0.0015	mg/l
LT-G-010-GW-20140227	480-55331-9	CALCIUM	3/6/2014	107		Yes	Y				0.50	0.10	mg/l
LT-G-010-GW-20140227	480-55331-9	ALUMINUM	3/6/2014			Yes	N	U		U	0.20	0.060	mg/l

Analytical Method SW7470A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801682051A	4801682051A	MERCURY	3/3/2014			Yes	N	U		U	0.00020	0.00012	mg/l
4801684251B	4801684251B	MERCURY	3/6/2014			Yes	N	U		U	0.00020	0.00012	mg/l
CC-C-001-GW-20140227	480-55331-10	MERCURY	3/3/2014			Yes	N	U		U	0.00020	0.00012	mg/l
CC-C-001-GW-20140227	480-55331-10	MERCURY	3/6/2014			Yes	N	U		U	0.00020	0.00012	mg/l
CC-C-028-GW-20140226	480-55331-3	MERCURY	3/3/2014	0.00023		Yes	Y				0.00020	0.00012	mg/l
CC-C-028-GW-20140226	480-55331-3	MERCURY	3/6/2014			Yes	N	U		U	0.00020	0.00012	mg/l
CC-C-048-GW-20140226	480-55331-2	MERCURY	3/3/2014			Yes	N	U		U	0.00020	0.00012	mg/l
CC-C-048-GW-20140226	480-55331-2	MERCURY	3/6/2014			Yes	N	U		U	0.00020	0.00012	mg/l
CC-C-051-GW-20140226	480-55331-4	MERCURY	3/3/2014	0.00066		Yes	Y				0.00020	0.00012	mg/l
CC-C-051-GW-20140226	480-55331-4	MERCURY	3/6/2014			Yes	N	U		U	0.00020	0.00012	mg/l
FB004-GW-20140226	480-55331-7	MERCURY	3/3/2014			Yes	N	U		U	0.00020	0.00012	mg/l
GM-11-20140226	480-55331-1	MERCURY	3/3/2014			Yes	N	U		U	0.00020	0.00012	mg/l
GM-11-20140226	480-55331-1	MERCURY	3/6/2014			Yes	N	U		U	0.00020	0.00012	mg/l
LT-C-054-GW-20140226	480-55331-5	MERCURY	3/3/2014	0.00036		Yes	Y				0.00020	0.00012	mg/l
LT-C-054-GW-20140226	480-55331-5	MERCURY	3/6/2014			Yes	N	U		U	0.00020	0.00012	mg/l
LT-G-010-GW-20140227	480-55331-9	MERCURY	3/3/2014	0.00012		Yes	Y	J	U	U	0.00020	0.00012	mg/l
LT-G-010-GW-20140227	480-55331-9	MERCURY	3/6/2014			Yes	N	U		U	0.00020	0.00012	mg/l

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801685651A	4801685651A	PCB-1232 (AROCLOR 1232)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l
4801685651A	4801685651A	PCB-1242 (AROCLOR 1242)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l
4801685651A	4801685651A	PCB-1221 (AROCLOR 1221)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l
4801685651A	4801685651A	PCB-1254 (AROCLOR 1254)	3/5/2014			Yes	N	U		U	0.50	0.25	ug/l
4801685651A	4801685651A	PCB-1248 (AROCLOR 1248)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l
4801685651A	4801685651A	PCB-1016 (AROCLOR 1016)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l

SDG: 480553311

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801685651A	4801685651A	PCB-1260 (AROCLOR 1260)	3/5/2014			Yes	N	U		U	0.50	0.25	ug/l
LT-G-010-GW-20140227	480-55331-9	PCB-1242 (AROCLOR 1242)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l
LT-G-010-GW-20140227	480-55331-9	PCB-1248 (AROCLOR 1248)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l
LT-G-010-GW-20140227	480-55331-9	PCB-1254 (AROCLOR 1254)	3/5/2014			Yes	N	U		U	0.50	0.25	ug/l
LT-G-010-GW-20140227	480-55331-9	PCB-1260 (AROCLOR 1260)	3/5/2014			Yes	N	U		U	0.50	0.25	ug/l
LT-G-010-GW-20140227	480-55331-9	PCB-1221 (AROCLOR 1221)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l
LT-G-010-GW-20140227	480-55331-9	PCB-1016 (AROCLOR 1016)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l
LT-G-010-GW-20140227	480-55331-9	PCB-1232 (AROCLOR 1232)	3/5/2014			Yes	N	U		U	0.50	0.18	ug/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681259	4801681259	STYRENE	2/28/2014			Yes	N	U		U	1.0	0.73	ug/l
4801681259	4801681259	SEC-BUTYLBENZENE	2/28/2014			Yes	N	U		U	1.0	0.75	ug/l
4801681259	4801681259	N-PROPYLBENZENE	2/28/2014			Yes	N	U		U	1.0	0.69	ug/l
4801681259	4801681259	N-BUTYLBENZENE	2/28/2014			Yes	N	U		U	1.0	0.64	ug/l
4801681259	4801681259	METHYLCYCLOHEXANE	2/28/2014			Yes	N	U		U	1.0	0.16	ug/l
4801681259	4801681259	METHYL ETHYL KETONE (2-BUTANONE)	2/28/2014			Yes	N	U		U	10	1.3	ug/l
4801681259	4801681259	T-BUTYLBENZENE	2/28/2014			Yes	N	U		U	1.0	0.81	ug/l
4801681259	4801681259	ISOPROPYLBENZENE (CUMENE)	2/28/2014			Yes	N	U		U	1.0	0.79	ug/l
4801681259	4801681259	TRANS-1,2-DICHLOROETHENE	2/28/2014			Yes	N	U		U	1.0	0.90	ug/l
4801681259	4801681259	ETHYLBENZENE	2/28/2014			Yes	N	U		U	1.0	0.74	ug/l
4801681259	4801681259	METHYL ACETATE	2/28/2014			Yes	N	U		U	2.5	0.50	ug/l
4801681259	4801681259	TERT-BUTYL METHYL ETHER	2/28/2014			Yes	N	U		U	1.0	0.16	ug/l
4801681259	4801681259	1,1,1-TRICHLOROETHANE	2/28/2014			Yes	N	U		U	1.0	0.82	ug/l
4801681259	4801681259	XYLENES, TOTAL	2/28/2014			Yes	N	U		U	2.0	0.66	ug/l
4801681259	4801681259	TOLUENE	2/28/2014			Yes	N	U		U	1.0	0.51	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681259	4801681259	TRANS-1,3-DICHLOROPROPENE	2/28/2014			Yes	N	U		U	1.0	0.37	ug/l
4801681259	4801681259	TRICHLOROETHYLENE (TCE)	2/28/2014			Yes	N	U		U	1.0	0.46	ug/l
4801681259	4801681259	TRICHLOROFLUOROMETHANE	2/28/2014			Yes	N	U		U	1.0	0.88	ug/l
4801681259	4801681259	VINYL CHLORIDE	2/28/2014			Yes	N	U		U	1.0	0.90	ug/l
4801681259	4801681259	DICHLORODIFLUOROMETHANE	2/28/2014			Yes	N	U		U	1.0	0.68	ug/l
4801681259	4801681259	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/28/2014			Yes	N	U		U	5.0	2.1	ug/l
4801681259	4801681259	TETRACHLOROETHYLENE(PCE)	2/28/2014			Yes	N	U		U	1.0	0.36	ug/l
4801681259	4801681259	1,2,4-TRIMETHYLBENZENE	2/28/2014			Yes	N	U		U	1.0	0.75	ug/l
4801681259	4801681259	1,4-DICHLOROBENZENE	2/28/2014			Yes	N	U		U	1.0	0.84	ug/l
4801681259	4801681259	1,3-DICHLOROBENZENE	2/28/2014			Yes	N	U		U	1.0	0.78	ug/l
4801681259	4801681259	1,2-DICHLOROPROPANE	2/28/2014			Yes	N	U		U	1.0	0.72	ug/l
4801681259	4801681259	1,2-DICHLOROBENZENE	2/28/2014			Yes	N	U		U	1.0	0.79	ug/l
4801681259	4801681259	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/28/2014			Yes	N	U		U	1.0	0.73	ug/l
4801681259	4801681259	DIBROMOCHLOROMETHANE	2/28/2014			Yes	N	U		U	1.0	0.32	ug/l
4801681259	4801681259	1,4-DIOXANE (P-DIOXANE)	2/28/2014			Yes	N	U		U	40	9.3	ug/l
4801681259	4801681259	1,2-DIBROMO-3-CHLOROPROPANE	2/28/2014			Yes	N	U		U	1.0	0.39	ug/l
4801681259	4801681259	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/28/2014			Yes	N	U		U	1.0	0.77	ug/l
4801681259	4801681259	1,2,4-TRICHLOROBENZENE	2/28/2014			Yes	N	U		U	1.0	0.41	ug/l
4801681259	4801681259	1,1-DICHLOROETHENE	2/28/2014			Yes	N	U		U	1.0	0.29	ug/l
4801681259	4801681259	1,1,2,2-TETRACHLOROETHANE	2/28/2014			Yes	N	U		U	1.0	0.21	ug/l
4801681259	4801681259	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/28/2014			Yes	N	U		U	1.0	0.31	ug/l
4801681259	4801681259	1,1-DICHLOROETHANE	2/28/2014			Yes	N	U		U	1.0	0.38	ug/l
4801681259	4801681259	1,1,2-TRICHLOROETHANE	2/28/2014			Yes	N	U		U	1.0	0.23	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681259	4801681259	METHYLENE CHLORIDE	2/28/2014			Yes	N	U		U	1.0	0.44	ug/l
4801681259	4801681259	CARBON DISULFIDE	2/28/2014			Yes	N	U		U	1.0	0.19	ug/l
4801681259	4801681259	CHLOROFORM	2/28/2014			Yes	N	U		U	1.0	0.34	ug/l
4801681259	4801681259	1,2-DICHLOROETHANE	2/28/2014			Yes	N	U		U	1.0	0.21	ug/l
4801681259	4801681259	CHLOROMETHANE	2/28/2014			Yes	N	U		U	1.0	0.35	ug/l
4801681259	4801681259	2-HEXANONE	2/28/2014			Yes	N	U		U	5.0	1.2	ug/l
4801681259	4801681259	CARBON TETRACHLORIDE	2/28/2014			Yes	N	U		U	1.0	0.27	ug/l
4801681259	4801681259	CHLOROETHANE	2/28/2014			Yes	N	U		U	1.0	0.32	ug/l
4801681259	4801681259	CIS-1,3-DICHLOROPROPENE	2/28/2014			Yes	N	U		U	1.0	0.36	ug/l
4801681259	4801681259	CHLOROBENZENE	2/28/2014			Yes	N	U		U	1.0	0.75	ug/l
4801681259	4801681259	BROMOMETHANE	2/28/2014			Yes	N	U		U	1.0	0.69	ug/l
4801681259	4801681259	CYCLOHEXANE	2/28/2014			Yes	N	U		U	1.0	0.18	ug/l
4801681259	4801681259	BROMOFORM	2/28/2014			Yes	N	U		U	1.0	0.26	ug/l
4801681259	4801681259	BROMODICHLOROMETHANE	2/28/2014			Yes	N	U		U	1.0	0.39	ug/l
4801681259	4801681259	BENZENE	2/28/2014			Yes	N	U		U	1.0	0.41	ug/l
4801681259	4801681259	ACETONE	2/28/2014			Yes	N	U		U	10	3.0	ug/l
4801681259	4801681259	CIS-1,2-DICHLOROETHYLENE	2/28/2014			Yes	N	U		U	1.0	0.81	ug/l
4801682387	4801682387	1,4-DIOXANE (P-DIOXANE)	3/3/2014			Yes	N	U		U	40	9.3	ug/l
4801682387	4801682387	1,4-DICHLOROBENZENE	3/3/2014			Yes	N	U		U	1.0	0.84	ug/l
4801682387	4801682387	CARBON TETRACHLORIDE	3/3/2014			Yes	N	U		U	1.0	0.27	ug/l
4801682387	4801682387	CARBON DISULFIDE	3/3/2014			Yes	N	U		U	1.0	0.19	ug/l
4801682387	4801682387	2-HEXANONE	3/3/2014			Yes	N	U		U	5.0	1.2	ug/l
4801682387	4801682387	BENZENE	3/3/2014			Yes	N	U		U	1.0	0.41	ug/l
4801682387	4801682387	BROMODICHLOROMETHANE	3/3/2014			Yes	N	U		U	1.0	0.39	ug/l
4801682387	4801682387	BROMOFORM	3/3/2014			Yes	N	U		U	1.0	0.26	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801682387	4801682387	BROMOMETHANE	3/3/2014			Yes	N	U		U	1.0	0.69	ug/l
4801682387	4801682387	1,3-DICHLOROBENZENE	3/3/2014			Yes	N	U		U	1.0	0.78	ug/l
4801682387	4801682387	1,1,2-TRICHLOROETHANE	3/3/2014			Yes	N	U		U	1.0	0.23	ug/l
4801682387	4801682387	ACETONE	3/3/2014			Yes	N	U		U	10	3.0	ug/l
4801682387	4801682387	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/3/2014			Yes	N	U		U	1.0	0.77	ug/l
4801682387	4801682387	1,2-DICHLOROPROPANE	3/3/2014			Yes	N	U		U	1.0	0.72	ug/l
4801682387	4801682387	1,2-DICHLOROETHANE	3/3/2014			Yes	N	U		U	1.0	0.21	ug/l
4801682387	4801682387	1,2-DICHLOROBENZENE	3/3/2014			Yes	N	U		U	1.0	0.79	ug/l
4801682387	4801682387	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/3/2014			Yes	N	U		U	1.0	0.73	ug/l
4801682387	4801682387	1,2-DIBROMO-3-CHLOROPROPANE	3/3/2014			Yes	N	U		U	1.0	0.39	ug/l
4801682387	4801682387	1,2,4-TRIMETHYLBENZENE	3/3/2014			Yes	N	U		U	1.0	0.75	ug/l
4801682387	4801682387	1,2,4-TRICHLOROBENZENE	3/3/2014			Yes	N	U		U	1.0	0.41	ug/l
4801682387	4801682387	1,1-DICHLOROETHANE	3/3/2014			Yes	N	U		U	1.0	0.38	ug/l
4801682387	4801682387	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/3/2014			Yes	N	U		U	1.0	0.31	ug/l
4801682387	4801682387	1,1,2,2-TETRACHLOROETHANE	3/3/2014			Yes	N	U		U	1.0	0.21	ug/l
4801682387	4801682387	1,1,1-TRICHLOROETHANE	3/3/2014			Yes	N	U		U	1.0	0.82	ug/l
4801682387	4801682387	CHLOROBENZENE	3/3/2014			Yes	N	U		U	1.0	0.75	ug/l
4801682387	4801682387	METHYL ETHYL KETONE (2-BUTANONE)	3/3/2014			Yes	N	U		U	10	1.3	ug/l
4801682387	4801682387	1,1-DICHLOROETHENE	3/3/2014			Yes	N	U		U	1.0	0.29	ug/l
4801682387	4801682387	TERT-BUTYL METHYL ETHER	3/3/2014			Yes	N	U		U	1.0	0.16	ug/l
4801682387	4801682387	ISOPROPYLBENZENE (CUMENE)	3/3/2014			Yes	N	U		U	1.0	0.79	ug/l
4801682387	4801682387	CHLOROETHANE	3/3/2014			Yes	N	U		U	1.0	0.32	ug/l
4801682387	4801682387	SEC-BUTYLBENZENE	3/3/2014			Yes	N	U		U	1.0	0.75	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801682387	4801682387	T-BUTYLBENZENE	3/3/2014			Yes	N	U		U	1.0	0.81	ug/l
4801682387	4801682387	TETRACHLOROETHYLENE(PCE)	3/3/2014			Yes	N	U		U	1.0	0.36	ug/l
4801682387	4801682387	TOLUENE	3/3/2014			Yes	N	U		U	1.0	0.51	ug/l
4801682387	4801682387	TRANS-1,2-DICHLOROETHENE	3/3/2014			Yes	N	U		U	1.0	0.90	ug/l
4801682387	4801682387	TRANS-1,3-DICHLOROPROPENE	3/3/2014			Yes	N	U		U	1.0	0.37	ug/l
4801682387	4801682387	TRICHLOROETHYLENE (TCE)	3/3/2014			Yes	N	U		U	1.0	0.46	ug/l
4801682387	4801682387	XYLENES, TOTAL	3/3/2014			Yes	N	U		U	2.0	0.66	ug/l
4801682387	4801682387	VINYL CHLORIDE	3/3/2014			Yes	N	U		U	1.0	0.90	ug/l
4801682387	4801682387	TRICHLOROFLUOROMETHANE	3/3/2014			Yes	N	U		U	1.0	0.88	ug/l
4801682387	4801682387	N-PROPYLBENZENE	3/3/2014			Yes	N	U		U	1.0	0.69	ug/l
4801682387	4801682387	CIS-1,3-DICHLOROPROPENE	3/3/2014			Yes	N	U		U	1.0	0.36	ug/l
4801682387	4801682387	CHLOROMETHANE	3/3/2014			Yes	N	U		U	1.0	0.35	ug/l
4801682387	4801682387	STYRENE	3/3/2014			Yes	N	U		U	1.0	0.73	ug/l
4801682387	4801682387	N-BUTYLBENZENE	3/3/2014			Yes	N	U		U	1.0	0.64	ug/l
4801682387	4801682387	CHLOROFORM	3/3/2014			Yes	N	U		U	1.0	0.34	ug/l
4801682387	4801682387	CIS-1,2-DICHLOROETHYLENE	3/3/2014			Yes	N	U		U	1.0	0.81	ug/l
4801682387	4801682387	CYCLOHEXANE	3/3/2014			Yes	N	U		U	1.0	0.18	ug/l
4801682387	4801682387	METHYL ACETATE	3/3/2014			Yes	N	U		U	2.5	0.50	ug/l
4801682387	4801682387	METHYLENE CHLORIDE	3/3/2014			Yes	N	U		U	1.0	0.44	ug/l
4801682387	4801682387	METHYLCYCLOHEXANE	3/3/2014			Yes	N	U		U	1.0	0.16	ug/l
4801682387	4801682387	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/3/2014			Yes	N	U		U	5.0	2.1	ug/l
4801682387	4801682387	DIBROMOCHLOROMETHANE	3/3/2014			Yes	N	U		U	1.0	0.32	ug/l
4801682387	4801682387	ETHYLBENZENE	3/3/2014			Yes	N	U		U	1.0	0.74	ug/l
4801682387	4801682387	DICHLORODIFLUOROMETHANE	3/3/2014			Yes	N	U		U	1.0	0.68	ug/l
CC-C-001-GW-20140227	480-55331-10	SEC-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-001-GW-20140227	480-55331-10	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/1/2014			Yes	N	U		U	5.0	2.1	ug/l
CC-C-001-GW-20140227	480-55331-10	TRICHLOROETHYLENE (TCE)	3/1/2014			Yes	N	U		U	1.0	0.46	ug/l
CC-C-001-GW-20140227	480-55331-10	METHYL ETHYL KETONE (2-BUTANONE)	3/1/2014			Yes	N	U		U	10	1.3	ug/l
CC-C-001-GW-20140227	480-55331-10	METHYLENE CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.44	ug/l
CC-C-001-GW-20140227	480-55331-10	METHYL ACETATE	3/1/2014			Yes	N	U		U	2.5	0.50	ug/l
CC-C-001-GW-20140227	480-55331-10	N-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.64	ug/l
CC-C-001-GW-20140227	480-55331-10	N-PROPYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
CC-C-001-GW-20140227	480-55331-10	METHYLCYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
CC-C-001-GW-20140227	480-55331-10	STYRENE	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
CC-C-001-GW-20140227	480-55331-10	T-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
CC-C-001-GW-20140227	480-55331-10	TERT-BUTYL METHYL ETHER	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
CC-C-001-GW-20140227	480-55331-10	TETRACHLOROETHYLENE(PCE)	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
CC-C-001-GW-20140227	480-55331-10	TOLUENE	3/1/2014			Yes	N	U		U	1.0	0.51	ug/l
CC-C-001-GW-20140227	480-55331-10	TRANS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.37	ug/l
CC-C-001-GW-20140227	480-55331-10	TRICHLOROFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.88	ug/l
CC-C-001-GW-20140227	480-55331-10	VINYL CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
CC-C-001-GW-20140227	480-55331-10	XYLENES, TOTAL	3/1/2014			Yes	N	U		U	2.0	0.66	ug/l
CC-C-001-GW-20140227	480-55331-10	ISOPROPYLBENZENE (CUMENE)	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
CC-C-001-GW-20140227	480-55331-10	CHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
CC-C-001-GW-20140227	480-55331-10	TRANS-1,2-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
CC-C-001-GW-20140227	480-55331-10	1,2,4-TRICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
CC-C-001-GW-20140227	480-55331-10	CHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.35	ug/l
CC-C-001-GW-20140227	480-55331-10	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/1/2014			Yes	N	U		U	1.0	0.77	ug/l
CC-C-001-GW-20140227	480-55331-10	1,2-DICHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.72	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-001-GW-20140227	480-55331-10	1,2-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
CC-C-001-GW-20140227	480-55331-10	1,2-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
CC-C-001-GW-20140227	480-55331-10	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
CC-C-001-GW-20140227	480-55331-10	1,4-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.84	ug/l
CC-C-001-GW-20140227	480-55331-10	1,2,4-TRIMETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
CC-C-001-GW-20140227	480-55331-10	1,4-DIOXANE (P-DIOXANE)	3/1/2014			Yes	N	U		U	40	9.3	ug/l
CC-C-001-GW-20140227	480-55331-10	1,1-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.29	ug/l
CC-C-001-GW-20140227	480-55331-10	1,1-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.38	ug/l
CC-C-001-GW-20140227	480-55331-10	1,1,2-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.23	ug/l
CC-C-001-GW-20140227	480-55331-10	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.31	ug/l
CC-C-001-GW-20140227	480-55331-10	1,1,2,2-TETRACHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
CC-C-001-GW-20140227	480-55331-10	1,1,1-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.82	ug/l
CC-C-001-GW-20140227	480-55331-10	1,2-DIBROMO-3-CHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
CC-C-001-GW-20140227	480-55331-10	CARBON TETRACHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.27	ug/l
CC-C-001-GW-20140227	480-55331-10	DICHLORODIFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.68	ug/l
CC-C-001-GW-20140227	480-55331-10	DIBROMOCHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
CC-C-001-GW-20140227	480-55331-10	CYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.18	ug/l
CC-C-001-GW-20140227	480-55331-10	CIS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
CC-C-001-GW-20140227	480-55331-10	CIS-1,2-DICHLOROETHYLENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
CC-C-001-GW-20140227	480-55331-10	1,3-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.78	ug/l
CC-C-001-GW-20140227	480-55331-10	CHLOROBENZENE	3/1/2014	1.2		Yes	Y				1.0	0.75	ug/l
CC-C-001-GW-20140227	480-55331-10	ETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.74	ug/l
CC-C-001-GW-20140227	480-55331-10	CARBON DISULFIDE	3/1/2014			Yes	N	U		U	1.0	0.19	ug/l
CC-C-001-GW-20140227	480-55331-10	BROMOMETHANE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-001-GW-20140227	480-55331-10	BROMOFORM	3/1/2014			Yes	N	U		U	1.0	0.26	ug/l
CC-C-001-GW-20140227	480-55331-10	BROMODICHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
CC-C-001-GW-20140227	480-55331-10	BENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
CC-C-001-GW-20140227	480-55331-10	ACETONE	3/1/2014			Yes	N	U		U	10	3.0	ug/l
CC-C-001-GW-20140227	480-55331-10	2-HEXANONE	3/1/2014			Yes	N	U		U	5.0	1.2	ug/l
CC-C-001-GW-20140227	480-55331-10	CHLOROFORM	3/1/2014			Yes	N	U		U	1.0	0.34	ug/l
CC-C-028-GW-20140226	480-55331-3	1,1,2-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.23	ug/l
CC-C-028-GW-20140226	480-55331-3	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/1/2014			Yes	N	U		U	1.0	0.77	ug/l
CC-C-028-GW-20140226	480-55331-3	1,1-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.29	ug/l
CC-C-028-GW-20140226	480-55331-3	CHLOROBENZENE	3/1/2014	4.3		Yes	Y				1.0	0.75	ug/l
CC-C-028-GW-20140226	480-55331-3	CARBON TETRACHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.27	ug/l
CC-C-028-GW-20140226	480-55331-3	CARBON DISULFIDE	3/1/2014	1.2		Yes	Y				1.0	0.19	ug/l
CC-C-028-GW-20140226	480-55331-3	BROMOMETHANE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
CC-C-028-GW-20140226	480-55331-3	BROMOFORM	3/1/2014			Yes	N	U		U	1.0	0.26	ug/l
CC-C-028-GW-20140226	480-55331-3	BROMODICHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
CC-C-028-GW-20140226	480-55331-3	BENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
CC-C-028-GW-20140226	480-55331-3	ACETONE	3/1/2014			Yes	N	U		U	10	3.0	ug/l
CC-C-028-GW-20140226	480-55331-3	2-HEXANONE	3/1/2014			Yes	N	U		U	5.0	1.2	ug/l
CC-C-028-GW-20140226	480-55331-3	1,4-DIOXANE (P-DIOXANE)	3/1/2014			Yes	N	U		U	40	9.3	ug/l
CC-C-028-GW-20140226	480-55331-3	CHLOROFORM	3/1/2014			Yes	N	U		U	1.0	0.34	ug/l
CC-C-028-GW-20140226	480-55331-3	1,3-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.78	ug/l
CC-C-028-GW-20140226	480-55331-3	CHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.35	ug/l
CC-C-028-GW-20140226	480-55331-3	1,2-DICHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.72	ug/l
CC-C-028-GW-20140226	480-55331-3	1,2-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
CC-C-028-GW-20140226	480-55331-3	1,2-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-028-GW-20140226	480-55331-3	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
CC-C-028-GW-20140226	480-55331-3	1,2-DIBROMO-3-CHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
CC-C-028-GW-20140226	480-55331-3	1,2,4-TRIMETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
CC-C-028-GW-20140226	480-55331-3	1,2,4-TRICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
CC-C-028-GW-20140226	480-55331-3	1,1-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.38	ug/l
CC-C-028-GW-20140226	480-55331-3	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.31	ug/l
CC-C-028-GW-20140226	480-55331-3	1,1,2,2-TETRACHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
CC-C-028-GW-20140226	480-55331-3	1,1,1-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.82	ug/l
CC-C-028-GW-20140226	480-55331-3	1,4-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.84	ug/l
CC-C-028-GW-20140226	480-55331-3	N-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.64	ug/l
CC-C-028-GW-20140226	480-55331-3	VINYL CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
CC-C-028-GW-20140226	480-55331-3	TRICHLOROFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.88	ug/l
CC-C-028-GW-20140226	480-55331-3	TRICHLOROETHYLENE (TCE)	3/1/2014			Yes	N	U		U	1.0	0.46	ug/l
CC-C-028-GW-20140226	480-55331-3	TRANS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.37	ug/l
CC-C-028-GW-20140226	480-55331-3	TRANS-1,2-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
CC-C-028-GW-20140226	480-55331-3	TOLUENE	3/1/2014			Yes	N	U		U	1.0	0.51	ug/l
CC-C-028-GW-20140226	480-55331-3	TETRACHLOROETHYLENE(PCE)	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
CC-C-028-GW-20140226	480-55331-3	TERT-BUTYL METHYL ETHER	3/1/2014	0.57		Yes	Y	J		J	1.0	0.16	ug/l
CC-C-028-GW-20140226	480-55331-3	T-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
CC-C-028-GW-20140226	480-55331-3	STYRENE	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
CC-C-028-GW-20140226	480-55331-3	CHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
CC-C-028-GW-20140226	480-55331-3	N-PROPYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
CC-C-028-GW-20140226	480-55331-3	XYLENES, TOTAL	3/1/2014			Yes	N	U		U	2.0	0.66	ug/l
CC-C-028-GW-20140226	480-55331-3	METHYLENE CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.44	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-028-GW-20140226	480-55331-3	METHYLCYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
CC-C-028-GW-20140226	480-55331-3	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/1/2014			Yes	N	U		U	5.0	2.1	ug/l
CC-C-028-GW-20140226	480-55331-3	METHYL ETHYL KETONE (2-BUTANONE)	3/1/2014			Yes	N	U		U	10	1.3	ug/l
CC-C-028-GW-20140226	480-55331-3	METHYL ACETATE	3/1/2014			Yes	N	U		U	2.5	0.50	ug/l
CC-C-028-GW-20140226	480-55331-3	ISOPROPYLBENZENE (CUMENE)	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
CC-C-028-GW-20140226	480-55331-3	ETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.74	ug/l
CC-C-028-GW-20140226	480-55331-3	DICHLORODIFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.68	ug/l
CC-C-028-GW-20140226	480-55331-3	DIBROMOCHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
CC-C-028-GW-20140226	480-55331-3	CYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.18	ug/l
CC-C-028-GW-20140226	480-55331-3	CIS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
CC-C-028-GW-20140226	480-55331-3	CIS-1,2-DICHLOROETHYLENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
CC-C-028-GW-20140226	480-55331-3	SEC-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
CC-C-048-GW-20140226	480-55331-2	1,1,1-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	4.0	3.3	ug/l
CC-C-048-GW-20140226	480-55331-2	N-PROPYLBENZENE	3/1/2014			Yes	N	U		U	4.0	2.8	ug/l
CC-C-048-GW-20140226	480-55331-2	CIS-1,2-DICHLOROETHYLENE	3/1/2014			Yes	N	U		U	4.0	3.2	ug/l
CC-C-048-GW-20140226	480-55331-2	CIS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	4.0	1.4	ug/l
CC-C-048-GW-20140226	480-55331-2	CYCLOHEXANE	3/1/2014			Yes	N	U		U	4.0	0.72	ug/l
CC-C-048-GW-20140226	480-55331-2	DIBROMOCHLOROMETHANE	3/1/2014			Yes	N	U		U	4.0	1.3	ug/l
CC-C-048-GW-20140226	480-55331-2	DICHLORODIFLUOROMETHANE	3/1/2014			Yes	N	U		U	4.0	2.7	ug/l
CC-C-048-GW-20140226	480-55331-2	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/1/2014			Yes	N	U		U	4.0	1.2	ug/l
CC-C-048-GW-20140226	480-55331-2	ISOPROPYLBENZENE (CUMENE)	3/1/2014			Yes	N	U		U	4.0	3.2	ug/l
CC-C-048-GW-20140226	480-55331-2	METHYL ETHYL KETONE (2-BUTANONE)	3/1/2014			Yes	N	U		U	40	5.3	ug/l
CC-C-048-GW-20140226	480-55331-2	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/1/2014			Yes	N	U		U	20	8.4	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-048-GW-20140226	480-55331-2	METHYLCYCLOHEXANE	3/1/2014			Yes	N	U		U	4.0	0.64	ug/l
CC-C-048-GW-20140226	480-55331-2	XYLENES, TOTAL	3/1/2014			Yes	N	U		U	8.0	2.6	ug/l
CC-C-048-GW-20140226	480-55331-2	N-BUTYLBENZENE	3/1/2014			Yes	N	U		U	4.0	2.6	ug/l
CC-C-048-GW-20140226	480-55331-2	CHLOROETHANE	3/1/2014			Yes	N	U		U	4.0	1.3	ug/l
CC-C-048-GW-20140226	480-55331-2	SEC-BUTYLBENZENE	3/1/2014			Yes	N	U		U	4.0	3.0	ug/l
CC-C-048-GW-20140226	480-55331-2	STYRENE	3/1/2014			Yes	N	U		U	4.0	2.9	ug/l
CC-C-048-GW-20140226	480-55331-2	T-BUTYLBENZENE	3/1/2014			Yes	N	U		U	4.0	3.2	ug/l
CC-C-048-GW-20140226	480-55331-2	TERT-BUTYL METHYL ETHER	3/1/2014	3.1		Yes	Y	J		J	4.0	0.64	ug/l
CC-C-048-GW-20140226	480-55331-2	TETRACHLOROETHYLENE(PCE)	3/1/2014			Yes	N	U		U	4.0	1.4	ug/l
CC-C-048-GW-20140226	480-55331-2	TOLUENE	3/1/2014			Yes	N	U		U	4.0	2.0	ug/l
CC-C-048-GW-20140226	480-55331-2	TRANS-1,2-DICHLOROETHENE	3/1/2014			Yes	N	U		U	4.0	3.6	ug/l
CC-C-048-GW-20140226	480-55331-2	TRANS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	4.0	1.5	ug/l
CC-C-048-GW-20140226	480-55331-2	TRICHLOROETHYLENE (TCE)	3/1/2014			Yes	N	U		U	4.0	1.8	ug/l
CC-C-048-GW-20140226	480-55331-2	TRICHLOROFLUOROMETHANE	3/1/2014			Yes	N	U		U	4.0	3.5	ug/l
CC-C-048-GW-20140226	480-55331-2	VINYL CHLORIDE	3/1/2014			Yes	N	U		U	4.0	3.6	ug/l
CC-C-048-GW-20140226	480-55331-2	METHYLENE CHLORIDE	3/1/2014			Yes	N	U		U	4.0	1.8	ug/l
CC-C-048-GW-20140226	480-55331-2	1,4-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	4.0	3.4	ug/l
CC-C-048-GW-20140226	480-55331-2	1,1,2,2-TETRACHLOROETHANE	3/1/2014			Yes	N	U		U	4.0	0.84	ug/l
CC-C-048-GW-20140226	480-55331-2	1,1,2-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	4.0	0.92	ug/l
CC-C-048-GW-20140226	480-55331-2	1,1-DICHLOROETHANE	3/1/2014			Yes	N	U		U	4.0	1.5	ug/l
CC-C-048-GW-20140226	480-55331-2	1,1-DICHLOROETHENE	3/1/2014			Yes	N	U		U	4.0	1.2	ug/l
CC-C-048-GW-20140226	480-55331-2	1,2,4-TRICHLOROBENZENE	3/1/2014			Yes	N	U		U	4.0	1.6	ug/l
CC-C-048-GW-20140226	480-55331-2	1,2,4-TRIMETHYLBENZENE	3/1/2014			Yes	N	U		U	4.0	3.0	ug/l
CC-C-048-GW-20140226	480-55331-2	1,2-DIBROMO-3-CHLOROPROPANE	3/1/2014			Yes	N	U		U	4.0	1.6	ug/l
CC-C-048-GW-20140226	480-55331-2	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/1/2014			Yes	N	U		U	4.0	2.9	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-048-GW-20140226	480-55331-2	1,2-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	4.0	3.2	ug/l
CC-C-048-GW-20140226	480-55331-2	1,2-DICHLOROETHANE	3/1/2014			Yes	N	U		U	4.0	0.84	ug/l
CC-C-048-GW-20140226	480-55331-2	1,2-DICHLOROPROPANE	3/1/2014			Yes	N	U		U	4.0	2.9	ug/l
CC-C-048-GW-20140226	480-55331-2	CHLOROMETHANE	3/1/2014			Yes	N	U		U	4.0	1.4	ug/l
CC-C-048-GW-20140226	480-55331-2	1,3-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	4.0	3.1	ug/l
CC-C-048-GW-20140226	480-55331-2	CHLOROFORM	3/1/2014			Yes	N	U		U	4.0	1.4	ug/l
CC-C-048-GW-20140226	480-55331-2	1,4-DIOXANE (P-DIOXANE)	3/1/2014			Yes	N	U		U	160	37	ug/l
CC-C-048-GW-20140226	480-55331-2	2-HEXANONE	3/1/2014			Yes	N	U		U	20	5.0	ug/l
CC-C-048-GW-20140226	480-55331-2	ACETONE	3/1/2014			Yes	N	U		U	40	12	ug/l
CC-C-048-GW-20140226	480-55331-2	BENZENE	3/1/2014			Yes	N	U		U	4.0	1.6	ug/l
CC-C-048-GW-20140226	480-55331-2	BROMODICHLOROMETHANE	3/1/2014			Yes	N	U		U	4.0	1.6	ug/l
CC-C-048-GW-20140226	480-55331-2	BROMOFORM	3/1/2014			Yes	N	U		U	4.0	1.0	ug/l
CC-C-048-GW-20140226	480-55331-2	BROMOMETHANE	3/1/2014			Yes	N	U		U	4.0	2.8	ug/l
CC-C-048-GW-20140226	480-55331-2	CARBON DISULFIDE	3/1/2014	1.9		Yes	Y	J		J	4.0	0.76	ug/l
CC-C-048-GW-20140226	480-55331-2	CARBON TETRACHLORIDE	3/1/2014			Yes	N	U		U	4.0	1.1	ug/l
CC-C-048-GW-20140226	480-55331-2	CHLOROBENZENE	3/1/2014			Yes	N	U		U	4.0	3.0	ug/l
CC-C-048-GW-20140226	480-55331-2	METHYL ACETATE	3/1/2014			Yes	N	U		U	10	2.0	ug/l
CC-C-048-GW-20140226	480-55331-2	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/1/2014			Yes	N	U		U	4.0	3.1	ug/l
CC-C-048-GW-20140226	480-55331-2	ETHYLBENZENE	3/1/2014			Yes	N	U		U	4.0	3.0	ug/l
CC-C-051-GW-20140226	480-55331-4	1,4-DIOXANE (P-DIOXANE)	3/1/2014			Yes	N	U		U	4000	930	ug/l
CC-C-051-GW-20140226	480-55331-4	CIS-1,2-DICHLOROETHYLENE	3/1/2014			Yes	N	U		U	100	81	ug/l
CC-C-051-GW-20140226	480-55331-4	CIS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	100	36	ug/l
CC-C-051-GW-20140226	480-55331-4	CYCLOHEXANE	3/1/2014			Yes	N	U		U	100	18	ug/l
CC-C-051-GW-20140226	480-55331-4	DIBROMOCHLOROMETHANE	3/1/2014			Yes	N	U		U	100	32	ug/l
CC-C-051-GW-20140226	480-55331-4	DICHLORODIFLUOROMETHANE	3/1/2014			Yes	N	U		U	100	68	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	ISOPROPYLBENZENE (CUMENE)	3/1/2014			Yes	N	U		U	100	79	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYL ETHYL KETONE (2-BUTANONE)	3/1/2014			Yes	N	U		U	1000	130	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/1/2014			Yes	N	U		U	500	210	ug/l
CC-C-051-GW-20140226	480-55331-4	XYLENES, TOTAL	3/1/2014	18000		Yes	Y				200	66	ug/l
CC-C-051-GW-20140226	480-55331-4	VINYL CHLORIDE	3/1/2014			Yes	N	U		U	100	90	ug/l
CC-C-051-GW-20140226	480-55331-4	CHLOROMETHANE	3/1/2014			Yes	N	U		U	100	35	ug/l
CC-C-051-GW-20140226	480-55331-4	TRICHLOROETHYLENE (TCE)	3/1/2014			Yes	N	U		U	100	46	ug/l
CC-C-051-GW-20140226	480-55331-4	ETHYLBENZENE	3/1/2014	3900		Yes	Y				100	74	ug/l
CC-C-051-GW-20140226	480-55331-4	TRANS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	100	37	ug/l
CC-C-051-GW-20140226	480-55331-4	TRANS-1,2-DICHLOROETHENE	3/1/2014			Yes	N	U		U	100	90	ug/l
CC-C-051-GW-20140226	480-55331-4	TOLUENE	3/1/2014	14000		No	Y	E			100	51	ug/l
CC-C-051-GW-20140226	480-55331-4	TETRACHLOROETHYLENE(PCE)	3/1/2014			Yes	N	U		U	100	36	ug/l
CC-C-051-GW-20140226	480-55331-4	TERT-BUTYL METHYL ETHER	3/1/2014			Yes	N	U		U	100	16	ug/l
CC-C-051-GW-20140226	480-55331-4	T-BUTYLBENZENE	3/1/2014			Yes	N	U		U	100	81	ug/l
CC-C-051-GW-20140226	480-55331-4	STYRENE	3/1/2014			Yes	N	U		U	100	73	ug/l
CC-C-051-GW-20140226	480-55331-4	SEC-BUTYLBENZENE	3/1/2014			Yes	N	U		U	100	75	ug/l
CC-C-051-GW-20140226	480-55331-4	N-PROPYLBENZENE	3/1/2014			Yes	N	U		U	100	69	ug/l
CC-C-051-GW-20140226	480-55331-4	N-BUTYLBENZENE	3/1/2014			Yes	N	U		U	100	64	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYLENE CHLORIDE	3/1/2014			Yes	N	U		U	100	44	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYLCYCLOHEXANE	3/1/2014	25		Yes	Y	J		J	100	16	ug/l
CC-C-051-GW-20140226	480-55331-4	TRICHLOROFLUOROMETHANE	3/1/2014			Yes	N	U		U	100	88	ug/l
CC-C-051-GW-20140226	480-55331-4	CARBON TETRACHLORIDE	3/1/2014			Yes	N	U		U	100	27	ug/l
CC-C-051-GW-20140226	480-55331-4	2-HEXANONE	3/1/2014			Yes	N	U		U	500	120	ug/l
CC-C-051-GW-20140226	480-55331-4	ACETONE	3/1/2014			Yes	N	U		U	1000	300	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	BENZENE	3/1/2014			Yes	N	U		U	100	41	ug/l
CC-C-051-GW-20140226	480-55331-4	BROMODICHLOROMETHANE	3/1/2014			Yes	N	U		U	100	39	ug/l
CC-C-051-GW-20140226	480-55331-4	BROMOFORM	3/1/2014			Yes	N	U		U	100	26	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYL ACETATE	3/1/2014			Yes	N	U		U	250	50	ug/l
CC-C-051-GW-20140226	480-55331-4	CARBON DISULFIDE	3/1/2014			Yes	N	U		U	100	19	ug/l
CC-C-051-GW-20140226	480-55331-4	CHLOROFORM	3/1/2014			Yes	N	U		U	100	34	ug/l
CC-C-051-GW-20140226	480-55331-4	1,4-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	100	84	ug/l
CC-C-051-GW-20140226	480-55331-4	1,3-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	100	78	ug/l
CC-C-051-GW-20140226	480-55331-4	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/1/2014	180		Yes	Y				100	77	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DICHLOROPROPANE	3/1/2014			Yes	N	U		U	100	72	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DICHLOROETHANE	3/1/2014			Yes	N	U		U	100	21	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/1/2014			Yes	N	U		U	100	31	ug/l
CC-C-051-GW-20140226	480-55331-4	BROMOMETHANE	3/1/2014			Yes	N	U		U	100	69	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	100	79	ug/l
CC-C-051-GW-20140226	480-55331-4	CHLOROBENZENE	3/1/2014	130		Yes	Y				100	75	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1,2,2-TETRACHLOROETHANE	3/1/2014			Yes	N	U		U	100	21	ug/l
CC-C-051-GW-20140226	480-55331-4	CHLOROETHANE	3/1/2014			Yes	N	U		U	100	32	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1,2-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	100	23	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1-DICHLOROETHANE	3/1/2014			Yes	N	U		U	100	38	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1-DICHLOROETHENE	3/1/2014			Yes	N	U		U	100	29	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2,4-TRICHLOROBENZENE	3/1/2014			Yes	N	U		U	100	41	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2,4-TRIMETHYLBENZENE	3/1/2014	680		Yes	Y				100	75	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DIBROMO-3-CHLOROPROPANE	3/1/2014			Yes	N	U		U	100	39	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/1/2014			Yes	N	U		U	100	73	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	1,1,1-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	100	82	ug/l
CC-C-051-GW-20140226	480-55331-4	N-BUTYLBENZENE	3/3/2014			No	N	U		U	200	130	ug/l
CC-C-051-GW-20140226	480-55331-4	TETRACHLOROETHYLENE(PCE)	3/3/2014			No	N	U		U	200	72	ug/l
CC-C-051-GW-20140226	480-55331-4	N-PROPYLBENZENE	3/3/2014			No	N	U		U	200	140	ug/l
CC-C-051-GW-20140226	480-55331-4	SEC-BUTYLBENZENE	3/3/2014			No	N	U		U	200	150	ug/l
CC-C-051-GW-20140226	480-55331-4	STYRENE	3/3/2014			No	N	U		U	200	150	ug/l
CC-C-051-GW-20140226	480-55331-4	T-BUTYLBENZENE	3/3/2014			No	N	U		U	200	160	ug/l
CC-C-051-GW-20140226	480-55331-4	TERT-BUTYL METHYL ETHER	3/3/2014			No	N	U		U	200	32	ug/l
CC-C-051-GW-20140226	480-55331-4	TOLUENE	3/3/2014	14000		Yes	Y		J	J	200	100	ug/l
CC-C-051-GW-20140226	480-55331-4	TRANS-1,2-DICHLOROETHENE	3/3/2014			No	N	U		U	200	180	ug/l
CC-C-051-GW-20140226	480-55331-4	TRANS-1,3-DICHLOROPROPENE	3/3/2014			No	N	U		U	200	74	ug/l
CC-C-051-GW-20140226	480-55331-4	TRICHLOROETHYLENE (TCE)	3/3/2014			No	N	U		U	200	92	ug/l
CC-C-051-GW-20140226	480-55331-4	TRICHLOROFLUOROMETHANE	3/3/2014			No	N	U		U	200	180	ug/l
CC-C-051-GW-20140226	480-55331-4	XYLENES, TOTAL	3/3/2014	19000		No	Y				400	130	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/3/2014			No	N	U		U	1000	420	ug/l
CC-C-051-GW-20140226	480-55331-4	VINYL CHLORIDE	3/3/2014			No	N	U		U	200	180	ug/l
CC-C-051-GW-20140226	480-55331-4	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/3/2014	180		No	Y	J		J	200	150	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1-DICHLOROETHANE	3/3/2014			No	N	U		U	200	76	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1-DICHLOROETHENE	3/3/2014			No	N	U		U	200	58	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2,4-TRICHLOROBENZENE	3/3/2014			No	N	U		U	200	82	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2,4-TRIMETHYLBENZENE	3/3/2014	680		No	Y				200	150	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DIBROMO-3-CHLOROPROPANE	3/3/2014			No	N	U		U	200	78	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/3/2014			No	N	U		U	200	150	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DICHLOROBENZENE	3/3/2014			No	N	U		U	200	160	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	1,1,2-TRICHLOROETHANE	3/3/2014			No	N	U		U	200	46	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DICHLOROPROPANE	3/3/2014			No	N	U		U	200	140	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZENE	3/3/2014			No	N	U		U	200	82	ug/l
CC-C-051-GW-20140226	480-55331-4	BROMOMETHANE	3/3/2014			No	N	U		U	200	140	ug/l
CC-C-051-GW-20140226	480-55331-4	BROMOFORM	3/3/2014			No	N	U		U	200	52	ug/l
CC-C-051-GW-20140226	480-55331-4	BROMODICHLOROMETHANE	3/3/2014			No	N	U		U	200	78	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYLCYCLOHEXANE	3/3/2014			No	N	U		U	200	32	ug/l
CC-C-051-GW-20140226	480-55331-4	ACETONE	3/3/2014			No	N	U		U	2000	600	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYLENE CHLORIDE	3/3/2014			No	N	U		U	200	88	ug/l
CC-C-051-GW-20140226	480-55331-4	1,4-DIOXANE (P-DIOXANE)	3/3/2014			No	N	U		U	8000	1900	ug/l
CC-C-051-GW-20140226	480-55331-4	1,4-DICHLOROBENZENE	3/3/2014			No	N	U		U	200	170	ug/l
CC-C-051-GW-20140226	480-55331-4	1,2-DICHLOROETHANE	3/3/2014			No	N	U		U	200	42	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYL ACETATE	3/3/2014			No	N	U		U	500	100	ug/l
CC-C-051-GW-20140226	480-55331-4	2-HEXANONE	3/3/2014			No	N	U		U	1000	250	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/3/2014			No	N	U		U	200	62	ug/l
CC-C-051-GW-20140226	480-55331-4	METHYL ETHYL KETONE (2-BUTANONE)	3/3/2014			No	N	U		U	2000	260	ug/l
CC-C-051-GW-20140226	480-55331-4	ISOPROPYLBENZENE (CUMENE)	3/3/2014			No	N	U		U	200	160	ug/l
CC-C-051-GW-20140226	480-55331-4	ETHYLBENZENE	3/3/2014	3900		No	Y				200	150	ug/l
CC-C-051-GW-20140226	480-55331-4	DICHLORODIFLUOROMETHANE	3/3/2014			No	N	U		U	200	140	ug/l
CC-C-051-GW-20140226	480-55331-4	DIBROMOCHLOROMETHANE	3/3/2014			No	N	U		U	200	64	ug/l
CC-C-051-GW-20140226	480-55331-4	CYCLOHEXANE	3/3/2014			No	N	U		U	200	36	ug/l
CC-C-051-GW-20140226	480-55331-4	CIS-1,3-DICHLOROPROPENE	3/3/2014			No	N	U		U	200	72	ug/l
CC-C-051-GW-20140226	480-55331-4	CARBON DISULFIDE	3/3/2014			No	N	U		U	200	38	ug/l
CC-C-051-GW-20140226	480-55331-4	CHLOROMETHANE	3/3/2014			No	N	U		U	200	70	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	CHLOROFORM	3/3/2014			No	N	U		U	200	68	ug/l
CC-C-051-GW-20140226	480-55331-4	CHLOROETHANE	3/3/2014			No	N	U		U	200	64	ug/l
CC-C-051-GW-20140226	480-55331-4	CHLOROBENZENE	3/3/2014			No	N	U		U	200	150	ug/l
CC-C-051-GW-20140226	480-55331-4	CARBON TETRACHLORIDE	3/3/2014			No	N	U		U	200	54	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1,1-TRICHLOROETHANE	3/3/2014			No	N	U		U	200	160	ug/l
CC-C-051-GW-20140226	480-55331-4	1,3-DICHLOROBENZENE	3/3/2014			No	N	U		U	200	160	ug/l
CC-C-051-GW-20140226	480-55331-4	1,1,2,2-TETRACHLOROETHANE	3/3/2014			No	N	U		U	200	42	ug/l
CC-C-051-GW-20140226	480-55331-4	CIS-1,2-DICHLOROETHYLENE	3/3/2014			No	N	U		U	200	160	ug/l
FB004-GW-20140226	480-55331-7	CARBON DISULFIDE	3/1/2014			Yes	N	U		U	1.0	0.19	ug/l
FB004-GW-20140226	480-55331-7	CYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.18	ug/l
FB004-GW-20140226	480-55331-7	BROMOFORM	3/1/2014			Yes	N	U		U	1.0	0.26	ug/l
FB004-GW-20140226	480-55331-7	BENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
FB004-GW-20140226	480-55331-7	CHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.35	ug/l
FB004-GW-20140226	480-55331-7	ACETONE	3/1/2014			Yes	N	U		U	10	3.0	ug/l
FB004-GW-20140226	480-55331-7	BROMODICHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
FB004-GW-20140226	480-55331-7	CARBON TETRACHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.27	ug/l
FB004-GW-20140226	480-55331-7	CHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
FB004-GW-20140226	480-55331-7	CHLOROFORM	3/1/2014			Yes	N	U		U	1.0	0.34	ug/l
FB004-GW-20140226	480-55331-7	CIS-1,2-DICHLOROETHYLENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
FB004-GW-20140226	480-55331-7	CIS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
FB004-GW-20140226	480-55331-7	2-HEXANONE	3/1/2014			Yes	N	U		U	5.0	1.2	ug/l
FB004-GW-20140226	480-55331-7	1,1-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.29	ug/l
FB004-GW-20140226	480-55331-7	CHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
FB004-GW-20140226	480-55331-7	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
FB004-GW-20140226	480-55331-7	1,1,1-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.82	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB004-GW-20140226	480-55331-7	1,1,2,2-TETRACHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
FB004-GW-20140226	480-55331-7	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.31	ug/l
FB004-GW-20140226	480-55331-7	1,1,2-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.23	ug/l
FB004-GW-20140226	480-55331-7	1,1-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.38	ug/l
FB004-GW-20140226	480-55331-7	1,2,4-TRIMETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
FB004-GW-20140226	480-55331-7	1,2-DIBROMO-3-CHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
FB004-GW-20140226	480-55331-7	1,4-DIOXANE (P-DIOXANE)	3/1/2014			Yes	N	U		U	40	9.3	ug/l
FB004-GW-20140226	480-55331-7	1,2-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
FB004-GW-20140226	480-55331-7	1,2-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
FB004-GW-20140226	480-55331-7	1,2-DICHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.72	ug/l
FB004-GW-20140226	480-55331-7	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/1/2014			Yes	N	U		U	1.0	0.77	ug/l
FB004-GW-20140226	480-55331-7	1,3-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.78	ug/l
FB004-GW-20140226	480-55331-7	1,4-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.84	ug/l
FB004-GW-20140226	480-55331-7	1,2,4-TRICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
FB004-GW-20140226	480-55331-7	TRANS-1,2-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
FB004-GW-20140226	480-55331-7	DIBROMOCHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
FB004-GW-20140226	480-55331-7	BROMOMETHANE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
FB004-GW-20140226	480-55331-7	XYLENES, TOTAL	3/1/2014			Yes	N	U		U	2.0	0.66	ug/l
FB004-GW-20140226	480-55331-7	VINYL CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
FB004-GW-20140226	480-55331-7	TRICHLOROFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.88	ug/l
FB004-GW-20140226	480-55331-7	TRANS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.37	ug/l
FB004-GW-20140226	480-55331-7	TOLUENE	3/1/2014			Yes	N	U		U	1.0	0.51	ug/l
FB004-GW-20140226	480-55331-7	TETRACHLOROETHYLENE(PCE)	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
FB004-GW-20140226	480-55331-7	TERT-BUTYL METHYL ETHER	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB004-GW-20140226	480-55331-7	T-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
FB004-GW-20140226	480-55331-7	STYRENE	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
FB004-GW-20140226	480-55331-7	METHYL ETHYL KETONE (2-BUTANONE)	3/1/2014			Yes	N	U		U	10	1.3	ug/l
FB004-GW-20140226	480-55331-7	DICHLORODIFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.68	ug/l
FB004-GW-20140226	480-55331-7	TRICHLOROETHYLENE (TCE)	3/1/2014			Yes	N	U		U	1.0	0.46	ug/l
FB004-GW-20140226	480-55331-7	SEC-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
FB004-GW-20140226	480-55331-7	ISOPROPYLBENZENE (CUMENE)	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
FB004-GW-20140226	480-55331-7	ETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.74	ug/l
FB004-GW-20140226	480-55331-7	METHYL ACETATE	3/1/2014			Yes	N	U		U	2.5	0.50	ug/l
FB004-GW-20140226	480-55331-7	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/1/2014			Yes	N	U		U	5.0	2.1	ug/l
FB004-GW-20140226	480-55331-7	METHYLCYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
FB004-GW-20140226	480-55331-7	METHYLENE CHLORIDE	3/1/2014	0.44		Yes	Y	J		J	1.0	0.44	ug/l
FB004-GW-20140226	480-55331-7	N-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.64	ug/l
FB004-GW-20140226	480-55331-7	N-PROPYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
GM-11-20140226	480-55331-1	CYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.18	ug/l
GM-11-20140226	480-55331-1	N-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.64	ug/l
GM-11-20140226	480-55331-1	METHYLCYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
GM-11-20140226	480-55331-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/1/2014			Yes	N	U		U	5.0	2.1	ug/l
GM-11-20140226	480-55331-1	METHYLENE CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.44	ug/l
GM-11-20140226	480-55331-1	METHYL ETHYL KETONE (2-BUTANONE)	3/1/2014			Yes	N	U		U	10	1.3	ug/l
GM-11-20140226	480-55331-1	METHYL ACETATE	3/1/2014			Yes	N	U		U	2.5	0.50	ug/l
GM-11-20140226	480-55331-1	ISOPROPYLBENZENE (CUMENE)	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
GM-11-20140226	480-55331-1	DICHLORODIFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.68	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
GM-11-20140226	480-55331-1	N-PROPYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
GM-11-20140226	480-55331-1	XYLENES, TOTAL	3/1/2014			Yes	N	U		U	2.0	0.66	ug/l
GM-11-20140226	480-55331-1	ETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.74	ug/l
GM-11-20140226	480-55331-1	SEC-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
GM-11-20140226	480-55331-1	STYRENE	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
GM-11-20140226	480-55331-1	T-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
GM-11-20140226	480-55331-1	TERT-BUTYL METHYL ETHER	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
GM-11-20140226	480-55331-1	TETRACHLOROETHYLENE(PCE)	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
GM-11-20140226	480-55331-1	TOLUENE	3/1/2014			Yes	N	U		U	1.0	0.51	ug/l
GM-11-20140226	480-55331-1	TRANS-1,2-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
GM-11-20140226	480-55331-1	TRANS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.37	ug/l
GM-11-20140226	480-55331-1	TRICHLOROETHYLENE (TCE)	3/1/2014			Yes	N	U		U	1.0	0.46	ug/l
GM-11-20140226	480-55331-1	CIS-1,2-DICHLOROETHYLENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
GM-11-20140226	480-55331-1	VINYL CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
GM-11-20140226	480-55331-1	CIS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
GM-11-20140226	480-55331-1	1,1,1-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.82	ug/l
GM-11-20140226	480-55331-1	TRICHLOROFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.88	ug/l
GM-11-20140226	480-55331-1	1,2,4-TRICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
GM-11-20140226	480-55331-1	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/1/2014			Yes	N	U		U	1.0	0.77	ug/l
GM-11-20140226	480-55331-1	1,2-DICHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.72	ug/l
GM-11-20140226	480-55331-1	1,2-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
GM-11-20140226	480-55331-1	1,2-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
GM-11-20140226	480-55331-1	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
GM-11-20140226	480-55331-1	1,3-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.78	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
GM-11-20140226	480-55331-1	1,2,4-TRIMETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
GM-11-20140226	480-55331-1	1,1,2-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.23	ug/l
GM-11-20140226	480-55331-1	1,1-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.29	ug/l
GM-11-20140226	480-55331-1	1,1-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.38	ug/l
GM-11-20140226	480-55331-1	CHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.35	ug/l
GM-11-20140226	480-55331-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.31	ug/l
GM-11-20140226	480-55331-1	DIBROMOCHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
GM-11-20140226	480-55331-1	1,1,2,2-TETRACHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
GM-11-20140226	480-55331-1	1,2-DIBROMO-3-CHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
GM-11-20140226	480-55331-1	CARBON DISULFIDE	3/1/2014			Yes	N	U		U	1.0	0.19	ug/l
GM-11-20140226	480-55331-1	1,4-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.84	ug/l
GM-11-20140226	480-55331-1	CHLOROFORM	3/1/2014			Yes	N	U		U	1.0	0.34	ug/l
GM-11-20140226	480-55331-1	CARBON TETRACHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.27	ug/l
GM-11-20140226	480-55331-1	CHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
GM-11-20140226	480-55331-1	BROMOMETHANE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
GM-11-20140226	480-55331-1	BROMOFORM	3/1/2014			Yes	N	U		U	1.0	0.26	ug/l
GM-11-20140226	480-55331-1	BROMODICHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
GM-11-20140226	480-55331-1	BENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
GM-11-20140226	480-55331-1	ACETONE	3/1/2014			Yes	N	U		U	10	3.0	ug/l
GM-11-20140226	480-55331-1	2-HEXANONE	3/1/2014			Yes	N	U		U	5.0	1.2	ug/l
GM-11-20140226	480-55331-1	1,4-DIOXANE (P-DIOXANE)	3/1/2014			Yes	N	U		U	40	9.3	ug/l
GM-11-20140226	480-55331-1	CHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
LT-C-054-GW-20140226	480-55331-5	ACETONE	3/1/2014			Yes	N	U		U	10	3.0	ug/l
LT-C-054-GW-20140226	480-55331-5	1,3-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.78	ug/l
LT-C-054-GW-20140226	480-55331-5	1,4-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.84	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	1,4-DIOXANE (P-DIOXANE)	3/1/2014			Yes	N	U		U	40	9.3	ug/l
LT-C-054-GW-20140226	480-55331-5	2-HEXANONE	3/1/2014			Yes	N	U		U	5.0	1.2	ug/l
LT-C-054-GW-20140226	480-55331-5	BENZENE	3/1/2014	0.78		Yes	Y	J		J	1.0	0.41	ug/l
LT-C-054-GW-20140226	480-55331-5	BROMODICHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
LT-C-054-GW-20140226	480-55331-5	BROMOFORM	3/1/2014			Yes	N	U		U	1.0	0.26	ug/l
LT-C-054-GW-20140226	480-55331-5	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/1/2014			Yes	N	U		U	1.0	0.77	ug/l
LT-C-054-GW-20140226	480-55331-5	CARBON DISULFIDE	3/1/2014	0.43		Yes	Y	J		J	1.0	0.19	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2,4-TRICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
LT-C-054-GW-20140226	480-55331-5	CARBON TETRACHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.27	ug/l
LT-C-054-GW-20140226	480-55331-5	BROMOMETHANE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DICHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.72	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DICHLOROETHANE	3/1/2014	0.44		Yes	Y	J		J	1.0	0.21	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1,1-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.82	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2,4-TRIMETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1-DICHLOROETHENE	3/1/2014	3		Yes	Y				1.0	0.29	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.38	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1,2-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.23	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.31	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1,2,2-TETRACHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
LT-C-054-GW-20140226	480-55331-5	METHYLCYCLOHEXANE	3/1/2014	0.21		Yes	Y	J		J	1.0	0.16	ug/l
LT-C-054-GW-20140226	480-55331-5	CHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DIBROMO-3-CHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	VINYL CHLORIDE	3/1/2014	11		Yes	Y				1.0	0.90	ug/l
LT-C-054-GW-20140226	480-55331-5	METHYL ETHYL KETONE (2-BUTANONE)	3/1/2014			Yes	N	U		U	10	1.3	ug/l
LT-C-054-GW-20140226	480-55331-5	CHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
LT-C-054-GW-20140226	480-55331-5	XYLENES, TOTAL	3/1/2014	1.2		Yes	Y	J		J	2.0	0.66	ug/l
LT-C-054-GW-20140226	480-55331-5	TRICHLOROFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.88	ug/l
LT-C-054-GW-20140226	480-55331-5	TRICHLOROETHYLENE (TCE)	3/1/2014	3		Yes	Y				1.0	0.46	ug/l
LT-C-054-GW-20140226	480-55331-5	TRANS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.37	ug/l
LT-C-054-GW-20140226	480-55331-5	TRANS-1,2-DICHLOROETHENE	3/1/2014	21		Yes	Y				1.0	0.90	ug/l
LT-C-054-GW-20140226	480-55331-5	TOLUENE	3/1/2014			Yes	N	U		U	1.0	0.51	ug/l
LT-C-054-GW-20140226	480-55331-5	TETRACHLOROETHYLENE(PCE)	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
LT-C-054-GW-20140226	480-55331-5	TERT-BUTYL METHYL ETHER	3/1/2014	0.41		Yes	Y	J		J	1.0	0.16	ug/l
LT-C-054-GW-20140226	480-55331-5	T-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
LT-C-054-GW-20140226	480-55331-5	STYRENE	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
LT-C-054-GW-20140226	480-55331-5	SEC-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
LT-C-054-GW-20140226	480-55331-5	N-PROPYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
LT-C-054-GW-20140226	480-55331-5	DIBROMOCHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
LT-C-054-GW-20140226	480-55331-5	N-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.64	ug/l
LT-C-054-GW-20140226	480-55331-5	CHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.35	ug/l
LT-C-054-GW-20140226	480-55331-5	CHLOROFORM	3/1/2014			Yes	N	U		U	1.0	0.34	ug/l
LT-C-054-GW-20140226	480-55331-5	CYCLOHEXANE	3/1/2014	0.52		Yes	Y	J		J	1.0	0.18	ug/l
LT-C-054-GW-20140226	480-55331-5	CIS-1,2-DICHLOROETHYLENE	3/1/2014	680		No	Y	E			1.0	0.81	ug/l
LT-C-054-GW-20140226	480-55331-5	DICHLORODIFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.68	ug/l
LT-C-054-GW-20140226	480-55331-5	ETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.74	ug/l
LT-C-054-GW-20140226	480-55331-5	ISOPROPYLBENZENE (CUMENE)	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
LT-C-054-GW-20140226	480-55331-5	METHYL ACETATE	3/1/2014			Yes	N	U		U	2.5	0.50	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/1/2014			Yes	N	U		U	5.0	2.1	ug/l
LT-C-054-GW-20140226	480-55331-5	METHYLENE CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.44	ug/l
LT-C-054-GW-20140226	480-55331-5	CIS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
LT-C-054-GW-20140226	480-55331-5	METHYL ETHYL KETONE (2-BUTANONE)	3/3/2014			No	N	U		U	100	13	ug/l
LT-C-054-GW-20140226	480-55331-5	METHYLENE CHLORIDE	3/3/2014			No	N	U		U	10	4.4	ug/l
LT-C-054-GW-20140226	480-55331-5	METHYLCYCLOHEXANE	3/3/2014			No	N	U		U	10	1.6	ug/l
LT-C-054-GW-20140226	480-55331-5	N-BUTYLBENZENE	3/3/2014			No	N	U		U	10	6.4	ug/l
LT-C-054-GW-20140226	480-55331-5	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/3/2014			No	N	U		U	50	21	ug/l
LT-C-054-GW-20140226	480-55331-5	METHYL ACETATE	3/3/2014			No	N	U		U	25	5.0	ug/l
LT-C-054-GW-20140226	480-55331-5	ISOPROPYLBENZENE (CUMENE)	3/3/2014			No	N	U		U	10	7.9	ug/l
LT-C-054-GW-20140226	480-55331-5	ETHYLBENZENE	3/3/2014			No	N	U		U	10	7.4	ug/l
LT-C-054-GW-20140226	480-55331-5	DIBROMOCHLOROMETHANE	3/3/2014			No	N	U		U	10	3.2	ug/l
LT-C-054-GW-20140226	480-55331-5	TETRACHLOROETHYLENE(PCE)	3/3/2014			No	N	U		U	10	3.6	ug/l
LT-C-054-GW-20140226	480-55331-5	CYCLOHEXANE	3/3/2014			No	N	U		U	10	1.8	ug/l
LT-C-054-GW-20140226	480-55331-5	CIS-1,3-DICHLOROPROPENE	3/3/2014			No	N	U		U	10	3.6	ug/l
LT-C-054-GW-20140226	480-55331-5	DICHLORODIFLUOROMETHANE	3/3/2014			No	N	U		U	10	6.8	ug/l
LT-C-054-GW-20140226	480-55331-5	N-PROPYLBENZENE	3/3/2014			No	N	U		U	10	6.9	ug/l
LT-C-054-GW-20140226	480-55331-5	SEC-BUTYLBENZENE	3/3/2014			No	N	U		U	10	7.5	ug/l
LT-C-054-GW-20140226	480-55331-5	STYRENE	3/3/2014			No	N	U		U	10	7.3	ug/l
LT-C-054-GW-20140226	480-55331-5	VINYL CHLORIDE	3/3/2014	11		No	Y				10	9.0	ug/l
LT-C-054-GW-20140226	480-55331-5	TERT-BUTYL METHYL ETHER	3/3/2014			No	N	U		U	10	1.6	ug/l
LT-C-054-GW-20140226	480-55331-5	TOLUENE	3/3/2014			No	N	U		U	10	5.1	ug/l
LT-C-054-GW-20140226	480-55331-5	TRANS-1,2-DICHLOROETHENE	3/3/2014	21		No	Y				10	9.0	ug/l
LT-C-054-GW-20140226	480-55331-5	TRANS-1,3-DICHLOROPROPENE	3/3/2014			No	N	U		U	10	3.7	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	TRICHLOROETHYLENE (TCE)	3/3/2014			No	N	U		U	10	4.6	ug/l
LT-C-054-GW-20140226	480-55331-5	TRICHLOROFLUOROMETHANE	3/3/2014			No	N	U		U	10	8.8	ug/l
LT-C-054-GW-20140226	480-55331-5	CIS-1,2-DICHLOROETHYLENE	3/3/2014	700		Yes	Y				10	8.1	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DICHLOROPROPANE	3/3/2014			No	N	U		U	10	7.2	ug/l
LT-C-054-GW-20140226	480-55331-5	XYLENES, TOTAL	3/3/2014			No	N	U		U	20	6.6	ug/l
LT-C-054-GW-20140226	480-55331-5	T-BUTYLBENZENE	3/3/2014			No	N	U		U	10	8.1	ug/l
LT-C-054-GW-20140226	480-55331-5	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/3/2014			No	N	U		U	10	7.7	ug/l
LT-C-054-GW-20140226	480-55331-5	1,4-DICHLOROBENZENE	3/3/2014			No	N	U		U	10	8.4	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1,1-TRICHLOROETHANE	3/3/2014			No	N	U		U	10	8.2	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1,2,2-TETRACHLOROETHANE	3/3/2014			No	N	U		U	10	2.1	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/3/2014			No	N	U		U	10	3.1	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1,2-TRICHLOROETHANE	3/3/2014			No	N	U		U	10	2.3	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1-DICHLOROETHANE	3/3/2014			No	N	U		U	10	3.8	ug/l
LT-C-054-GW-20140226	480-55331-5	1,1-DICHLOROETHENE	3/3/2014			No	N	U		U	10	2.9	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2,4-TRICHLOROBENZENE	3/3/2014			No	N	U		U	10	4.1	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2,4-TRIMETHYLBENZENE	3/3/2014			No	N	U		U	10	7.5	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DIBROMO-3-CHLOROPROPANE	3/3/2014			No	N	U		U	10	3.9	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/3/2014			No	N	U		U	10	7.3	ug/l
LT-C-054-GW-20140226	480-55331-5	1,3-DICHLOROBENZENE	3/3/2014			No	N	U		U	10	7.8	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DICHLOROETHANE	3/3/2014			No	N	U		U	10	2.1	ug/l
LT-C-054-GW-20140226	480-55331-5	CHLOROMETHANE	3/3/2014			No	N	U		U	10	3.5	ug/l
LT-C-054-GW-20140226	480-55331-5	1,4-DIOXANE (P-DIOXANE)	3/3/2014			No	N	U		U	400	93	ug/l
LT-C-054-GW-20140226	480-55331-5	ACETONE	3/3/2014			No	N	U		U	100	30	ug/l
LT-C-054-GW-20140226	480-55331-5	BENZENE	3/3/2014			No	N	U		U	10	4.1	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	BROMODICHLOROMETHANE	3/3/2014			No	N	U		U	10	3.9	ug/l
LT-C-054-GW-20140226	480-55331-5	BROMOFORM	3/3/2014			No	N	U		U	10	2.6	ug/l
LT-C-054-GW-20140226	480-55331-5	BROMOMETHANE	3/3/2014			No	N	U		U	10	6.9	ug/l
LT-C-054-GW-20140226	480-55331-5	CARBON DISULFIDE	3/3/2014			No	N	U		U	10	1.9	ug/l
LT-C-054-GW-20140226	480-55331-5	CARBON TETRACHLORIDE	3/3/2014			No	N	U		U	10	2.7	ug/l
LT-C-054-GW-20140226	480-55331-5	CHLOROBENZENE	3/3/2014			No	N	U		U	10	7.5	ug/l
LT-C-054-GW-20140226	480-55331-5	CHLOROETHANE	3/3/2014			No	N	U		U	10	3.2	ug/l
LT-C-054-GW-20140226	480-55331-5	CHLOROFORM	3/3/2014			No	N	U		U	10	3.4	ug/l
LT-C-054-GW-20140226	480-55331-5	1,2-DICHLOROBENZENE	3/3/2014			No	N	U		U	10	7.9	ug/l
LT-C-054-GW-20140226	480-55331-5	2-HEXANONE	3/3/2014			No	N	U		U	50	12	ug/l
LT-G-010-GW-20140227	480-55331-9	METHYLENE CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.44	ug/l
LT-G-010-GW-20140227	480-55331-9	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.31	ug/l
LT-G-010-GW-20140227	480-55331-9	1,1,2,2-TETRACHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
LT-G-010-GW-20140227	480-55331-9	1,1,1-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.82	ug/l
LT-G-010-GW-20140227	480-55331-9	CYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.18	ug/l
LT-G-010-GW-20140227	480-55331-9	DIBROMOCHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
LT-G-010-GW-20140227	480-55331-9	DICHLORODIFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.68	ug/l
LT-G-010-GW-20140227	480-55331-9	ETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.74	ug/l
LT-G-010-GW-20140227	480-55331-9	ISOPROPYLBENZENE (CUMENE)	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
LT-G-010-GW-20140227	480-55331-9	METHYL ACETATE	3/1/2014			Yes	N	U		U	2.5	0.50	ug/l
LT-G-010-GW-20140227	480-55331-9	METHYL ETHYL KETONE (2-BUTANONE)	3/1/2014			Yes	N	U		U	10	1.3	ug/l
LT-G-010-GW-20140227	480-55331-9	1,1,2-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.23	ug/l
LT-G-010-GW-20140227	480-55331-9	METHYLCYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
LT-G-010-GW-20140227	480-55331-9	N-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.64	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-010-GW-20140227	480-55331-9	N-PROPYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
LT-G-010-GW-20140227	480-55331-9	STYRENE	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
LT-G-010-GW-20140227	480-55331-9	T-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
LT-G-010-GW-20140227	480-55331-9	TERT-BUTYL METHYL ETHER	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
LT-G-010-GW-20140227	480-55331-9	TETRACHLOROETHYLENE(PCE)	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
LT-G-010-GW-20140227	480-55331-9	TOLUENE	3/1/2014			Yes	N	U		U	1.0	0.51	ug/l
LT-G-010-GW-20140227	480-55331-9	TRANS-1,2-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
LT-G-010-GW-20140227	480-55331-9	TRANS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.37	ug/l
LT-G-010-GW-20140227	480-55331-9	TRICHLOROETHYLENE (TCE)	3/1/2014			Yes	N	U		U	1.0	0.46	ug/l
LT-G-010-GW-20140227	480-55331-9	TRICHLOROFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.88	ug/l
LT-G-010-GW-20140227	480-55331-9	VINYL CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
LT-G-010-GW-20140227	480-55331-9	XYLENES, TOTAL	3/1/2014			Yes	N	U		U	2.0	0.66	ug/l
LT-G-010-GW-20140227	480-55331-9	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/1/2014			Yes	N	U		U	5.0	2.1	ug/l
LT-G-010-GW-20140227	480-55331-9	CARBON DISULFIDE	3/1/2014	0.22		Yes	Y	J		J	1.0	0.19	ug/l
LT-G-010-GW-20140227	480-55331-9	SEC-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
LT-G-010-GW-20140227	480-55331-9	1,1-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.38	ug/l
LT-G-010-GW-20140227	480-55331-9	CIS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
LT-G-010-GW-20140227	480-55331-9	CIS-1,2-DICHLOROETHYLENE	3/1/2014	0.86		Yes	Y	J		J	1.0	0.81	ug/l
LT-G-010-GW-20140227	480-55331-9	CHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.35	ug/l
LT-G-010-GW-20140227	480-55331-9	CHLOROFORM	3/1/2014			Yes	N	U		U	1.0	0.34	ug/l
LT-G-010-GW-20140227	480-55331-9	CHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
LT-G-010-GW-20140227	480-55331-9	CARBON TETRACHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.27	ug/l
LT-G-010-GW-20140227	480-55331-9	BROMOMETHANE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
LT-G-010-GW-20140227	480-55331-9	BROMOFORM	3/1/2014			Yes	N	U		U	1.0	0.26	ug/l
LT-G-010-GW-20140227	480-55331-9	BROMODICHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-010-GW-20140227	480-55331-9	BENZENE	3/1/2014	2.3		Yes	Y				1.0	0.41	ug/l
LT-G-010-GW-20140227	480-55331-9	ACETONE	3/1/2014			Yes	N	U		U	10	3.0	ug/l
LT-G-010-GW-20140227	480-55331-9	1,2,4-TRIMETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
LT-G-010-GW-20140227	480-55331-9	1,1-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.29	ug/l
LT-G-010-GW-20140227	480-55331-9	CHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
LT-G-010-GW-20140227	480-55331-9	1,2,4-TRICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
LT-G-010-GW-20140227	480-55331-9	2-HEXANONE	3/1/2014			Yes	N	U		U	5.0	1.2	ug/l
LT-G-010-GW-20140227	480-55331-9	1,2-DIBROMO-3-CHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
LT-G-010-GW-20140227	480-55331-9	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
LT-G-010-GW-20140227	480-55331-9	1,2-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
LT-G-010-GW-20140227	480-55331-9	1,2-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
LT-G-010-GW-20140227	480-55331-9	1,2-DICHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.72	ug/l
LT-G-010-GW-20140227	480-55331-9	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/1/2014			Yes	N	U		U	1.0	0.77	ug/l
LT-G-010-GW-20140227	480-55331-9	1,3-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.78	ug/l
LT-G-010-GW-20140227	480-55331-9	1,4-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.84	ug/l
LT-G-010-GW-20140227	480-55331-9	1,4-DIOXANE (P-DIOXANE)	3/1/2014			Yes	N	U		U	40	9.3	ug/l
TB-20140226	480-55331-8	CHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.35	ug/l
TB-20140226	480-55331-8	1,4-DIOXANE (P-DIOXANE)	3/1/2014			Yes	N	U		U	40	9.3	ug/l
TB-20140226	480-55331-8	2-HEXANONE	3/1/2014			Yes	N	U		U	5.0	1.2	ug/l
TB-20140226	480-55331-8	ACETONE	3/1/2014	5.6		Yes	Y	J		J	10	3.0	ug/l
TB-20140226	480-55331-8	BENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
TB-20140226	480-55331-8	BROMODICHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
TB-20140226	480-55331-8	BROMOFORM	3/1/2014			Yes	N	U		U	1.0	0.26	ug/l
TB-20140226	480-55331-8	CARBON DISULFIDE	3/1/2014			Yes	N	U		U	1.0	0.19	ug/l

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
TB-20140226	480-55331-8	CHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
TB-20140226	480-55331-8	CIS-1,2-DICHLOROETHYLENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
TB-20140226	480-55331-8	CHLOROFORM	3/1/2014			Yes	N	U		U	1.0	0.34	ug/l
TB-20140226	480-55331-8	1,4-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.84	ug/l
TB-20140226	480-55331-8	CYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.18	ug/l
TB-20140226	480-55331-8	CIS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
TB-20140226	480-55331-8	1,1,1-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.82	ug/l
TB-20140226	480-55331-8	CHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
TB-20140226	480-55331-8	1,2,4-TRIMETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
TB-20140226	480-55331-8	CARBON TETRACHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.27	ug/l
TB-20140226	480-55331-8	DIBROMOCHLOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.32	ug/l
TB-20140226	480-55331-8	1,1,2,2-TETRACHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
TB-20140226	480-55331-8	1,1,2-TRICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.23	ug/l
TB-20140226	480-55331-8	1,1-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.38	ug/l
TB-20140226	480-55331-8	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.31	ug/l
TB-20140226	480-55331-8	1,2,4-TRICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.41	ug/l
TB-20140226	480-55331-8	1,3-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.78	ug/l
TB-20140226	480-55331-8	1,2-DIBROMO-3-CHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.39	ug/l
TB-20140226	480-55331-8	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
TB-20140226	480-55331-8	1,2-DICHLOROBENZENE	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
TB-20140226	480-55331-8	1,2-DICHLOROETHANE	3/1/2014			Yes	N	U		U	1.0	0.21	ug/l
TB-20140226	480-55331-8	1,2-DICHLOROPROPANE	3/1/2014			Yes	N	U		U	1.0	0.72	ug/l
TB-20140226	480-55331-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	3/1/2014			Yes	N	U		U	1.0	0.77	ug/l
TB-20140226	480-55331-8	1,1-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.29	ug/l

SDG: 480553311

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
TB-20140226	480-55331-8	TRANS-1,2-DICHLOROETHENE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
TB-20140226	480-55331-8	DICHLORODIFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.68	ug/l
TB-20140226	480-55331-8	XYLENES, TOTAL	3/1/2014			Yes	N	U		U	2.0	0.66	ug/l
TB-20140226	480-55331-8	VINYL CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.90	ug/l
TB-20140226	480-55331-8	TRICHLOROFLUOROMETHANE	3/1/2014			Yes	N	U		U	1.0	0.88	ug/l
TB-20140226	480-55331-8	TRANS-1,3-DICHLOROPROPENE	3/1/2014			Yes	N	U		U	1.0	0.37	ug/l
TB-20140226	480-55331-8	TOLUENE	3/1/2014			Yes	N	U		U	1.0	0.51	ug/l
TB-20140226	480-55331-8	TETRACHLOROETHYLENE(PCE)	3/1/2014			Yes	N	U		U	1.0	0.36	ug/l
TB-20140226	480-55331-8	TERT-BUTYL METHYL ETHER	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
TB-20140226	480-55331-8	T-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.81	ug/l
TB-20140226	480-55331-8	STYRENE	3/1/2014			Yes	N	U		U	1.0	0.73	ug/l
TB-20140226	480-55331-8	SEC-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.75	ug/l
TB-20140226	480-55331-8	METHYL ETHYL KETONE (2-BUTANONE)	3/1/2014			Yes	N	U		U	10	1.3	ug/l
TB-20140226	480-55331-8	TRICHLOROETHYLENE (TCE)	3/1/2014			Yes	N	U		U	1.0	0.46	ug/l
TB-20140226	480-55331-8	N-PROPYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
TB-20140226	480-55331-8	ISOPROPYLBENZENE (CUMENE)	3/1/2014			Yes	N	U		U	1.0	0.79	ug/l
TB-20140226	480-55331-8	METHYL ACETATE	3/1/2014			Yes	N	U		U	2.5	0.50	ug/l
TB-20140226	480-55331-8	ETHYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.74	ug/l
TB-20140226	480-55331-8	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3/1/2014			Yes	N	U		U	5.0	2.1	ug/l
TB-20140226	480-55331-8	METHYLCYCLOHEXANE	3/1/2014			Yes	N	U		U	1.0	0.16	ug/l
TB-20140226	480-55331-8	METHYLENE CHLORIDE	3/1/2014			Yes	N	U		U	1.0	0.44	ug/l
TB-20140226	480-55331-8	BROMOMETHANE	3/1/2014			Yes	N	U		U	1.0	0.69	ug/l
TB-20140226	480-55331-8	N-BUTYLBENZENE	3/1/2014			Yes	N	U		U	1.0	0.64	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681171A	4801681171A	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.22	ug/l
4801681171A	4801681171A	CAPROLACTAM	3/3/2014			Yes	N	U		U	5.0	2.2	ug/l
4801681171A	4801681171A	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.42	ug/l
4801681171A	4801681171A	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
4801681171A	4801681171A	CHRYSENE	3/3/2014			Yes	N	U		U	5.0	0.33	ug/l
4801681171A	4801681171A	CARBAZOLE	3/3/2014			Yes	N	U		U	5.0	0.30	ug/l
4801681171A	4801681171A	DIBENZOFURAN	3/3/2014			Yes	N	U		U	10	0.51	ug/l
4801681171A	4801681171A	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	1.86		Yes	Y	J		J	5.0	1.8	ug/l
4801681171A	4801681171A	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	5.0	0.52	ug/l
4801681171A	4801681171A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	BIPHENYL (DIPHENYL)	3/3/2014			Yes	N	U		U	5.0	0.65	ug/l
4801681171A	4801681171A	DI-N-BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.31	ug/l
4801681171A	4801681171A	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	5.0	0.54	ug/l
4801681171A	4801681171A	BENZYL BUTYL PHTHALATE	3/3/2014	0.54		Yes	Y	J		J	5.0	0.42	ug/l
4801681171A	4801681171A	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
4801681171A	4801681171A	ISOPHORONE	3/3/2014			Yes	N	U		U	5.0	0.43	ug/l
4801681171A	4801681171A	PYRENE	3/3/2014			Yes	N	U		U	5.0	0.34	ug/l
4801681171A	4801681171A	PHENOL	3/3/2014			Yes	N	U		U	5.0	0.39	ug/l
4801681171A	4801681171A	PHENANTHRENE	3/3/2014			Yes	N	U		U	5.0	0.44	ug/l
4801681171A	4801681171A	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
4801681171A	4801681171A	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
4801681171A	4801681171A	BENZALDEHYDE	3/3/2014			Yes	N	U		U	5.0	0.27	ug/l
4801681171A	4801681171A	NAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.76	ug/l
4801681171A	4801681171A	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.73	ug/l
4801681171A	4801681171A	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681171A	4801681171A	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l
4801681171A	4801681171A	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
4801681171A	4801681171A	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
4801681171A	4801681171A	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	5.0	0.68	ug/l
4801681171A	4801681171A	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
4801681171A	4801681171A	FLUORENE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
4801681171A	4801681171A	FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	NITROBENZENE	3/3/2014			Yes	N	U		U	5.0	0.29	ug/l
4801681171A	4801681171A	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.46	ug/l
4801681171A	4801681171A	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
4801681171A	4801681171A	3-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.48	ug/l
4801681171A	4801681171A	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	2-NITROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.48	ug/l
4801681171A	4801681171A	2-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.42	ug/l
4801681171A	4801681171A	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
4801681171A	4801681171A	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
4801681171A	4801681171A	BENZO(A)PYRENE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l
4801681171A	4801681171A	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
4801681171A	4801681171A	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
4801681171A	4801681171A	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
4801681171A	4801681171A	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	5.0	0.50	ug/l
4801681171A	4801681171A	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
4801681171A	4801681171A	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.61	ug/l
4801681171A	4801681171A	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.48	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
4801681171A	4801681171A	2-METHYLNAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.60	ug/l
4801681171A	4801681171A	ATRAZINE	3/3/2014			Yes	N	U		U	5.0	0.46	ug/l
4801681171A	4801681171A	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.53	ug/l
4801681171A	4801681171A	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
4801681171A	4801681171A	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
4801681171A	4801681171A	ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.28	ug/l
4801681171A	4801681171A	ACETOPHENONE	3/3/2014			Yes	N	U		U	5.0	0.54	ug/l
4801681171A	4801681171A	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	5.0	0.38	ug/l
4801681171A	4801681171A	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
4801681171A	4801681171A	4-NITROPHENOL	3/3/2014			Yes	N	U		U	10	1.5	ug/l
4801681171A	4801681171A	4-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.25	ug/l
4801681171A	4801681171A	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	10	0.36	ug/l
4801681171A	4801681171A	ACENAPHTHENE	3/3/2014			Yes	N	U		U	5.0	0.41	ug/l
4801681171A	4801681171A	BENZO(B)FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.34	ug/l
4801681171A	4801681171A	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
CC-C-001-GW-20140227	480-55331-10	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	5.1	0.55	ug/l
CC-C-001-GW-20140227	480-55331-10	NITROBENZENE	3/3/2014			Yes	N	U		U	5.1	0.29	ug/l
CC-C-001-GW-20140227	480-55331-10	NAPHTHALENE	3/3/2014			Yes	N	U		U	5.1	0.77	ug/l
CC-C-001-GW-20140227	480-55331-10	ISOPHORONE	3/3/2014			Yes	N	U		U	5.1	0.44	ug/l
CC-C-001-GW-20140227	480-55331-10	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	5.1	0.60	ug/l
CC-C-001-GW-20140227	480-55331-10	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	5.1	0.69	ug/l
CC-C-001-GW-20140227	480-55331-10	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	5.1	0.52	ug/l
CC-C-001-GW-20140227	480-55331-10	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.43	ug/l
CC-C-001-GW-20140227	480-55331-10	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	5.1	0.60	ug/l
CC-C-001-GW-20140227	480-55331-10	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-001-GW-20140227	480-55331-10	PHENANTHRENE	3/3/2014	0.46		Yes	Y	J	U	U	5.1	0.45	ug/l
CC-C-001-GW-20140227	480-55331-10	PHENOL	3/3/2014			Yes	N	U		U	5.1	0.40	ug/l
CC-C-001-GW-20140227	480-55331-10	PYRENE	3/3/2014			Yes	N	U		U	5.1	0.34	ug/l
CC-C-001-GW-20140227	480-55331-10	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
CC-C-001-GW-20140227	480-55331-10	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.48	ug/l
CC-C-001-GW-20140227	480-55331-10	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.74	ug/l
CC-C-001-GW-20140227	480-55331-10	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.35	ug/l
CC-C-001-GW-20140227	480-55331-10	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	5.1	0.52	ug/l
CC-C-001-GW-20140227	480-55331-10	2-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.43	ug/l
CC-C-001-GW-20140227	480-55331-10	ACENAPHTHENE	3/3/2014			Yes	N	U		U	5.1	0.42	ug/l
CC-C-001-GW-20140227	480-55331-10	4-NITROPHENOL	3/3/2014			Yes	N	U		U	10	1.5	ug/l
CC-C-001-GW-20140227	480-55331-10	4-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.25	ug/l
CC-C-001-GW-20140227	480-55331-10	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	10	0.36	ug/l
CC-C-001-GW-20140227	480-55331-10	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.1	0.35	ug/l
CC-C-001-GW-20140227	480-55331-10	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	5.1	0.60	ug/l
CC-C-001-GW-20140227	480-55331-10	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	5.1	0.46	ug/l
CC-C-001-GW-20140227	480-55331-10	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.1	0.46	ug/l
CC-C-001-GW-20140227	480-55331-10	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
CC-C-001-GW-20140227	480-55331-10	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	5.1	0.39	ug/l
CC-C-001-GW-20140227	480-55331-10	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.41	ug/l
CC-C-001-GW-20140227	480-55331-10	2-NITROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.49	ug/l
CC-C-001-GW-20140227	480-55331-10	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.52	ug/l
CC-C-001-GW-20140227	480-55331-10	2-METHYLNAPHTHALENE	3/3/2014			Yes	N	U		U	5.1	0.61	ug/l
CC-C-001-GW-20140227	480-55331-10	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.54	ug/l
CC-C-001-GW-20140227	480-55331-10	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	5.1	0.47	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-001-GW-20140227	480-55331-10	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.1	0.45	ug/l
CC-C-001-GW-20140227	480-55331-10	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.49	ug/l
CC-C-001-GW-20140227	480-55331-10	FLUORENE	3/3/2014			Yes	N	U		U	5.1	0.36	ug/l
CC-C-001-GW-20140227	480-55331-10	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.1	0.41	ug/l
CC-C-001-GW-20140227	480-55331-10	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.62	ug/l
CC-C-001-GW-20140227	480-55331-10	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	5.1	0.51	ug/l
CC-C-001-GW-20140227	480-55331-10	3-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.49	ug/l
CC-C-001-GW-20140227	480-55331-10	FLUORANTHENE	3/3/2014	0.44		Yes	Y	J	U	U	5.1	0.41	ug/l
CC-C-001-GW-20140227	480-55331-10	ACETOPHENONE	3/3/2014			Yes	N	U		U	5.1	0.55	ug/l
CC-C-001-GW-20140227	480-55331-10	DI-N-BUTYL PHTHALATE	3/3/2014	0.45		Yes	Y	J	U	U	5.1	0.31	ug/l
CC-C-001-GW-20140227	480-55331-10	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	5.1	0.48	ug/l
CC-C-001-GW-20140227	480-55331-10	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.1	0.22	ug/l
CC-C-001-GW-20140227	480-55331-10	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.1	0.36	ug/l
CC-C-001-GW-20140227	480-55331-10	CHRYSENE	3/3/2014			Yes	N	U		U	5.1	0.33	ug/l
CC-C-001-GW-20140227	480-55331-10	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	5.1	0.41	ug/l
CC-C-001-GW-20140227	480-55331-10	CAPROLACTAM	3/3/2014			Yes	N	U		U	5.1	2.2	ug/l
CC-C-001-GW-20140227	480-55331-10	DIBENZOFURAN	3/3/2014			Yes	N	U		U	10	0.52	ug/l
CC-C-001-GW-20140227	480-55331-10	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	14		Yes	Y	B			5.1	1.8	ug/l
CC-C-001-GW-20140227	480-55331-10	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	5.1	0.36	ug/l
CC-C-001-GW-20140227	480-55331-10	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	5.1	0.41	ug/l
CC-C-001-GW-20140227	480-55331-10	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	5.1	0.35	ug/l
CC-C-001-GW-20140227	480-55331-10	BIPHENYL (DIPHENYL)	3/3/2014			Yes	N	U		U	5.1	0.66	ug/l
CC-C-001-GW-20140227	480-55331-10	BENZYL BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	5.1	0.43	ug/l
CC-C-001-GW-20140227	480-55331-10	BENZO(B)FLUORANTHENE	3/3/2014	1.1		Yes	Y	J	J	J	5.1	0.34	ug/l
CC-C-001-GW-20140227	480-55331-10	BENZO(A)PYRENE	3/3/2014	0.67		Yes	Y	J	J	J	5.1	0.48	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-001-GW-20140227	480-55331-10	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	5.1	0.53	ug/l
CC-C-001-GW-20140227	480-55331-10	CARBAZOLE	3/3/2014			Yes	N	U		U	5.1	0.30	ug/l
CC-C-001-GW-20140227	480-55331-10	ANTHRACENE	3/3/2014			Yes	N	U		U	5.1	0.28	ug/l
CC-C-001-GW-20140227	480-55331-10	BENZALDEHYDE	3/3/2014			Yes	N	U		U	5.1	0.27	ug/l
CC-C-001-GW-20140227	480-55331-10	ATRAZINE	3/3/2014			Yes	N	U		U	5.1	0.47	ug/l
CC-C-028-GW-20140226	480-55331-3	CARBAZOLE	3/3/2014			Yes	N	U		U	5.1	0.30	ug/l
CC-C-028-GW-20140226	480-55331-3	CHRYSENE	3/3/2014			Yes	N	U		U	5.1	0.34	ug/l
CC-C-028-GW-20140226	480-55331-3	DIBENZOFURAN	3/3/2014	1.3		Yes	Y	J	U	U	10	0.52	ug/l
CC-C-028-GW-20140226	480-55331-3	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.1	0.37	ug/l
CC-C-028-GW-20140226	480-55331-3	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.1	0.22	ug/l
CC-C-028-GW-20140226	480-55331-3	CAPROLACTAM	3/3/2014			Yes	N	U		U	5.1	2.2	ug/l
CC-C-028-GW-20140226	480-55331-3	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	3		Yes	Y	BJ	U	U	5.1	1.8	ug/l
CC-C-028-GW-20140226	480-55331-3	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	5.1	0.53	ug/l
CC-C-028-GW-20140226	480-55331-3	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	5.1	0.41	ug/l
CC-C-028-GW-20140226	480-55331-3	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	5.1	0.36	ug/l
CC-C-028-GW-20140226	480-55331-3	DI-N-BUTYL PHTHALATE	3/3/2014	0.68		Yes	Y	J	U	U	5.1	0.31	ug/l
CC-C-028-GW-20140226	480-55331-3	BENZYL BUTYL PHTHALATE	3/3/2014	0.57		Yes	Y	BJ	U	U	5.1	0.43	ug/l
CC-C-028-GW-20140226	480-55331-3	BIPHENYL (DIPHENYL)	3/3/2014	0.72		Yes	Y	J		J	5.1	0.66	ug/l
CC-C-028-GW-20140226	480-55331-3	ISOPHORONE	3/3/2014			Yes	N	U		U	5.1	0.44	ug/l
CC-C-028-GW-20140226	480-55331-3	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.54	ug/l
CC-C-028-GW-20140226	480-55331-3	PHENANTHRENE	3/3/2014	3.9		Yes	Y	J	U	U	5.1	0.45	ug/l
CC-C-028-GW-20140226	480-55331-3	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
CC-C-028-GW-20140226	480-55331-3	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	5.1	0.52	ug/l
CC-C-028-GW-20140226	480-55331-3	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	5.1	0.55	ug/l
CC-C-028-GW-20140226	480-55331-3	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	5.1	0.60	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-028-GW-20140226	480-55331-3	NAPHTHALENE	3/3/2014	2.5		Yes	Y	J	U	U	5.1	0.77	ug/l
CC-C-028-GW-20140226	480-55331-3	DI-N-OCTYLPHTHALATE	3/3/2014	1.3		Yes	Y	J		J	5.1	0.48	ug/l
CC-C-028-GW-20140226	480-55331-3	PHENOL	3/3/2014			Yes	N	U		U	5.1	0.40	ug/l
CC-C-028-GW-20140226	480-55331-3	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	5.1	0.60	ug/l
CC-C-028-GW-20140226	480-55331-3	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	5.1	0.69	ug/l
CC-C-028-GW-20140226	480-55331-3	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	5.1	0.52	ug/l
CC-C-028-GW-20140226	480-55331-3	FLUORENE	3/3/2014	1.4		Yes	Y	J	U	U	5.1	0.37	ug/l
CC-C-028-GW-20140226	480-55331-3	FLUORANTHENE	3/3/2014	2.5		Yes	Y	J		J	5.1	0.41	ug/l
CC-C-028-GW-20140226	480-55331-3	NITROBENZENE	3/3/2014			Yes	N	U		U	5.1	0.29	ug/l
CC-C-028-GW-20140226	480-55331-3	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
CC-C-028-GW-20140226	480-55331-3	BENZO(B)FLUORANTHENE	3/3/2014	1.2		Yes	Y	J	J	J	5.1	0.35	ug/l
CC-C-028-GW-20140226	480-55331-3	BENZO(A)PYRENE	3/3/2014	0.8		Yes	Y	J	J	J	5.1	0.48	ug/l
CC-C-028-GW-20140226	480-55331-3	PYRENE	3/3/2014	1.5		Yes	Y	J		J	5.1	0.35	ug/l
CC-C-028-GW-20140226	480-55331-3	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.49	ug/l
CC-C-028-GW-20140226	480-55331-3	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.62	ug/l
CC-C-028-GW-20140226	480-55331-3	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.52	ug/l
CC-C-028-GW-20140226	480-55331-3	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.1	0.45	ug/l
CC-C-028-GW-20140226	480-55331-3	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	10	2.3	ug/l
CC-C-028-GW-20140226	480-55331-3	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.1	0.41	ug/l
CC-C-028-GW-20140226	480-55331-3	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	5.1	0.47	ug/l
CC-C-028-GW-20140226	480-55331-3	2-METHYLNAPHTHALENE	3/3/2014	2.2		Yes	Y	J	U	U	5.1	0.61	ug/l
CC-C-028-GW-20140226	480-55331-3	2-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.43	ug/l
CC-C-028-GW-20140226	480-55331-3	2-NITROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.49	ug/l
CC-C-028-GW-20140226	480-55331-3	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	5.1	0.41	ug/l
CC-C-028-GW-20140226	480-55331-3	4-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.25	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-028-GW-20140226	480-55331-3	BENZALDEHYDE	3/3/2014			Yes	N	U		U	5.1	0.27	ug/l
CC-C-028-GW-20140226	480-55331-3	ATRAZINE	3/3/2014			Yes	N	U		U	5.1	0.47	ug/l
CC-C-028-GW-20140226	480-55331-3	ANTHRACENE	3/3/2014	0.37		Yes	Y	J		J	5.1	0.28	ug/l
CC-C-028-GW-20140226	480-55331-3	ACETOPHENONE	3/3/2014			Yes	N	U		U	5.1	0.55	ug/l
CC-C-028-GW-20140226	480-55331-3	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	5.1	0.39	ug/l
CC-C-028-GW-20140226	480-55331-3	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.41	ug/l
CC-C-028-GW-20140226	480-55331-3	4-NITROPHENOL	3/3/2014			Yes	N	U		U	10	1.5	ug/l
CC-C-028-GW-20140226	480-55331-3	3-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.49	ug/l
CC-C-028-GW-20140226	480-55331-3	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	10	0.37	ug/l
CC-C-028-GW-20140226	480-55331-3	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.1	0.36	ug/l
CC-C-028-GW-20140226	480-55331-3	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	5.1	0.60	ug/l
CC-C-028-GW-20140226	480-55331-3	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	5.1	0.46	ug/l
CC-C-028-GW-20140226	480-55331-3	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.1	0.46	ug/l
CC-C-028-GW-20140226	480-55331-3	BENZO(A)ANTHRACENE	3/3/2014	0.46		Yes	Y	J		J	5.1	0.37	ug/l
CC-C-028-GW-20140226	480-55331-3	ACENAPHTHENE	3/3/2014	2.3		Yes	Y	J	U	U	5.1	0.42	ug/l
CC-C-028-GW-20140226	480-55331-3	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.36	ug/l
CC-C-028-GW-20140226	480-55331-3	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.43	ug/l
CC-C-028-GW-20140226	480-55331-3	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.48	ug/l
CC-C-028-GW-20140226	480-55331-3	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	5.1	0.51	ug/l
CC-C-028-GW-20140226	480-55331-3	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.74	ug/l
CC-C-048-GW-20140226	480-55331-2	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	5.1	0.60	ug/l
CC-C-048-GW-20140226	480-55331-2	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.1	0.36	ug/l
CC-C-048-GW-20140226	480-55331-2	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	10	0.37	ug/l
CC-C-048-GW-20140226	480-55331-2	4-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.25	ug/l
CC-C-048-GW-20140226	480-55331-2	4-NITROPHENOL	3/3/2014			Yes	N	U		U	10	1.5	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-048-GW-20140226	480-55331-2	ACENAPHTHENE	3/3/2014	0.53		Yes	Y	J	U	U	5.1	0.42	ug/l
CC-C-048-GW-20140226	480-55331-2	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	5.1	0.46	ug/l
CC-C-048-GW-20140226	480-55331-2	ACETOPHENONE	3/3/2014			Yes	N	U		U	5.1	0.55	ug/l
CC-C-048-GW-20140226	480-55331-2	3-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.49	ug/l
CC-C-048-GW-20140226	480-55331-2	ANTHRACENE	3/3/2014			Yes	N	U		U	5.1	0.28	ug/l
CC-C-048-GW-20140226	480-55331-2	ATRAZINE	3/3/2014			Yes	N	U		U	5.1	0.47	ug/l
CC-C-048-GW-20140226	480-55331-2	BENZALDEHYDE	3/3/2014			Yes	N	U		U	5.1	0.27	ug/l
CC-C-048-GW-20140226	480-55331-2	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	5.1	0.37	ug/l
CC-C-048-GW-20140226	480-55331-2	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	5.1	0.39	ug/l
CC-C-048-GW-20140226	480-55331-2	2-METHYLNAPHTHALENE	3/3/2014	0.62		Yes	Y	J	U	U	5.1	0.61	ug/l
CC-C-048-GW-20140226	480-55331-2	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.62	ug/l
CC-C-048-GW-20140226	480-55331-2	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.52	ug/l
CC-C-048-GW-20140226	480-55331-2	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	5.1	0.51	ug/l
CC-C-048-GW-20140226	480-55331-2	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	10	2.3	ug/l
CC-C-048-GW-20140226	480-55331-2	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.1	0.45	ug/l
CC-C-048-GW-20140226	480-55331-2	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.1	0.41	ug/l
CC-C-048-GW-20140226	480-55331-2	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.1	0.46	ug/l
CC-C-048-GW-20140226	480-55331-2	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.54	ug/l
CC-C-048-GW-20140226	480-55331-2	BENZYL BUTYL PHTHALATE	3/3/2014	0.56		Yes	Y	BJ	U	U	5.1	0.43	ug/l
CC-C-048-GW-20140226	480-55331-2	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	5.1	0.41	ug/l
CC-C-048-GW-20140226	480-55331-2	2-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.43	ug/l
CC-C-048-GW-20140226	480-55331-2	2-NITROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.49	ug/l
CC-C-048-GW-20140226	480-55331-2	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.41	ug/l
CC-C-048-GW-20140226	480-55331-2	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	5.1	0.53	ug/l
CC-C-048-GW-20140226	480-55331-2	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-048-GW-20140226	480-55331-2	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	5.1	0.47	ug/l
CC-C-048-GW-20140226	480-55331-2	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	5.1	0.52	ug/l
CC-C-048-GW-20140226	480-55331-2	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.36	ug/l
CC-C-048-GW-20140226	480-55331-2	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.74	ug/l
CC-C-048-GW-20140226	480-55331-2	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.43	ug/l
CC-C-048-GW-20140226	480-55331-2	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U	UJ	UJ	5.1	0.48	ug/l
CC-C-048-GW-20140226	480-55331-2	PYRENE	3/3/2014	1.1		Yes	Y	J		J	5.1	0.35	ug/l
CC-C-048-GW-20140226	480-55331-2	PHENOL	3/3/2014			Yes	N	U		U	5.1	0.40	ug/l
CC-C-048-GW-20140226	480-55331-2	PHENANTHRENE	3/3/2014	3		Yes	Y	J	U	U	5.1	0.45	ug/l
CC-C-048-GW-20140226	480-55331-2	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
CC-C-048-GW-20140226	480-55331-2	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	5.1	0.52	ug/l
CC-C-048-GW-20140226	480-55331-2	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	5.1	0.55	ug/l
CC-C-048-GW-20140226	480-55331-2	NITROBENZENE	3/3/2014			Yes	N	U		U	5.1	0.29	ug/l
CC-C-048-GW-20140226	480-55331-2	NAPHTHALENE	3/3/2014			Yes	N	U		U	5.1	0.77	ug/l
CC-C-048-GW-20140226	480-55331-2	ISOPHORONE	3/3/2014			Yes	N	U		U	5.1	0.44	ug/l
CC-C-048-GW-20140226	480-55331-2	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	5.1	0.36	ug/l
CC-C-048-GW-20140226	480-55331-2	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.1	0.22	ug/l
CC-C-048-GW-20140226	480-55331-2	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.1	0.49	ug/l
CC-C-048-GW-20140226	480-55331-2	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	5.1	0.41	ug/l
CC-C-048-GW-20140226	480-55331-2	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	4.4		Yes	Y	BJ	U	U	5.1	1.8	ug/l
CC-C-048-GW-20140226	480-55331-2	CAPROLACTAM	3/3/2014			Yes	N	U		U	5.1	2.2	ug/l
CC-C-048-GW-20140226	480-55331-2	CARBAZOLE	3/3/2014			Yes	N	U		U	5.1	0.31	ug/l
CC-C-048-GW-20140226	480-55331-2	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	5.1	0.60	ug/l
CC-C-048-GW-20140226	480-55331-2	DIBENZOFURAN	3/3/2014			Yes	N	U		U	10	0.52	ug/l
CC-C-048-GW-20140226	480-55331-2	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	5.1	0.69	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-048-GW-20140226	480-55331-2	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.1	0.37	ug/l
CC-C-048-GW-20140226	480-55331-2	DI-N-BUTYL PHTHALATE	3/3/2014	0.77		Yes	Y	J	U	U	5.1	0.32	ug/l
CC-C-048-GW-20140226	480-55331-2	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	5.1	0.48	ug/l
CC-C-048-GW-20140226	480-55331-2	FLUORANTHENE	3/3/2014	1.3		Yes	Y	J		J	5.1	0.41	ug/l
CC-C-048-GW-20140226	480-55331-2	FLUORENE	3/3/2014	0.54		Yes	Y	J	U	U	5.1	0.37	ug/l
CC-C-048-GW-20140226	480-55331-2	BIPHENYL (DIPHENYL)	3/3/2014			Yes	N	U		U	5.1	0.66	ug/l
CC-C-048-GW-20140226	480-55331-2	CHRYSENE	3/3/2014			Yes	N	U		U	5.1	0.34	ug/l
CC-C-048-GW-20140226	480-55331-2	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	5.1	0.60	ug/l
CC-C-048-GW-20140226	480-55331-2	BENZO(A)PYRENE	3/3/2014	0.64		Yes	Y	J	J	J	5.1	0.48	ug/l
CC-C-048-GW-20140226	480-55331-2	BENZO(B)FLUORANTHENE	3/3/2014	1.1		Yes	Y	J	J	J	5.1	0.35	ug/l
CC-C-051-GW-20140226	480-55331-4	2-CHLOROPHENOL	3/4/2014			Yes	N	U		U	1100	110	ug/l
CC-C-051-GW-20140226	480-55331-4	4-CHLOROANILINE	3/4/2014			Yes	N	U		U	1100	120	ug/l
CC-C-051-GW-20140226	480-55331-4	4-CHLORO-3-METHYLPHENOL	3/4/2014			Yes	N	U		U	1100	95	ug/l
CC-C-051-GW-20140226	480-55331-4	4-BROMOPHENYL PHENYL ETHER	3/4/2014			Yes	N	U		U	1100	95	ug/l
CC-C-051-GW-20140226	480-55331-4	4,6-DINITRO-2-METHYLPHENOL	3/4/2014			Yes	N	U		U	2100	460	ug/l
CC-C-051-GW-20140226	480-55331-4	3-NITROANILINE	3/4/2014			Yes	N	U		U	2100	100	ug/l
CC-C-051-GW-20140226	480-55331-4	3,3'-DICHLOROBENZIDINE	3/4/2014			Yes	N	U	UJ	UJ	1100	84	ug/l
CC-C-051-GW-20140226	480-55331-4	2-NITROPHENOL	3/4/2014			Yes	N	U		U	1100	100	ug/l
CC-C-051-GW-20140226	480-55331-4	2-NITROANILINE	3/4/2014			Yes	N	U		U	2100	88	ug/l
CC-C-051-GW-20140226	480-55331-4	2-METHYLNAPHTHALENE	3/4/2014	20000		No	Y	E			1100	130	ug/l
CC-C-051-GW-20140226	480-55331-4	4-NITROANILINE	3/4/2014			Yes	N	U	UJ	UJ	2100	53	ug/l
CC-C-051-GW-20140226	480-55331-4	2-CHLORONAPHTHALENE	3/4/2014			Yes	N	U		U	1100	97	ug/l
CC-C-051-GW-20140226	480-55331-4	2,6-DINITROTOLUENE	3/4/2014			Yes	N	U		U	1100	84	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4-DINITROTOLUENE	3/4/2014			Yes	N	U		U	1100	94	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4-DINITROPHENOL	3/4/2014			Yes	N	U		U	2100	470	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	2,4-DIMETHYLPHENOL	3/4/2014			Yes	N	U		U	1100	110	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4-DICHLOROPHENOL	3/4/2014			Yes	N	U		U	1100	110	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4,6-TRICHLOROPHENOL	3/4/2014			Yes	N	U		U	1100	130	ug/l
CC-C-051-GW-20140226	480-55331-4	N-NITROSODI-N-PROPYLAMINE	3/4/2014			Yes	N	U		U	1100	110	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4,5-TRICHLOROPHENOL	3/4/2014			Yes	N	U		U	1100	100	ug/l
CC-C-051-GW-20140226	480-55331-4	2-METHYLPHENOL (O-CRESOL)	3/4/2014			Yes	N	U		U	1100	84	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(A)PYRENE	3/4/2014	2300		Yes	Y				1100	99	ug/l
CC-C-051-GW-20140226	480-55331-4	N-NITROSODIPHENYLAMINE	3/4/2014			Yes	N	U		U	1100	110	ug/l
CC-C-051-GW-20140226	480-55331-4	PENTACHLOROPHENOL	3/4/2014			Yes	N	U		U	2100	460	ug/l
CC-C-051-GW-20140226	480-55331-4	PHENANTHRENE	3/4/2014	37000		No	Y	E			1100	93	ug/l
CC-C-051-GW-20140226	480-55331-4	PHENOL	3/4/2014			Yes	N	U		U	1100	82	ug/l
CC-C-051-GW-20140226	480-55331-4	PYRENE	3/4/2014	20000		No	Y	E			1100	72	ug/l
CC-C-051-GW-20140226	480-55331-4	NITROBENZENE	3/4/2014			Yes	N	U		U	1100	61	ug/l
CC-C-051-GW-20140226	480-55331-4	NAPHTHALENE	3/4/2014	11000		Yes	Y				1100	160	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(K)FLUORANTHENE	3/4/2014	1600		Yes	Y				1100	150	ug/l
CC-C-051-GW-20140226	480-55331-4	4-CHLOROPHENYL PHENYL ETHER	3/4/2014			Yes	N	U		U	1100	74	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(B)FLUORANTHENE	3/4/2014	3600		Yes	Y				1100	72	ug/l
CC-C-051-GW-20140226	480-55331-4	4-METHYLPHENOL (P-CRESOL)	3/4/2014			Yes	N	U		U	2100	76	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(A)ANTHRACENE	3/4/2014	8700		Yes	Y				1100	76	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZALDEHYDE	3/4/2014			Yes	N	U		U	1100	56	ug/l
CC-C-051-GW-20140226	480-55331-4	ATRAZINE	3/4/2014			Yes	N	U	UJ	UJ	1100	97	ug/l
CC-C-051-GW-20140226	480-55331-4	ANTHRACENE	3/4/2014	7500		Yes	Y				1100	59	ug/l
CC-C-051-GW-20140226	480-55331-4	ACETOPHENONE	3/4/2014			Yes	N	U		U	1100	110	ug/l
CC-C-051-GW-20140226	480-55331-4	ACENAPHTHYLENE	3/4/2014	400		Yes	Y	J		J	1100	80	ug/l
CC-C-051-GW-20140226	480-55331-4	ACENAPHTHENE	3/4/2014	22000		No	Y	E			1100	86	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	4-NITROPHENOL	3/4/2014			Yes	N	U		U	2100	320	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(G,H,I)PERYLENE	3/4/2014	440		Yes	Y	J		J	1100	74	ug/l
CC-C-051-GW-20140226	480-55331-4	DIETHYL PHTHALATE	3/4/2014			Yes	N	U		U	1100	46	ug/l
CC-C-051-GW-20140226	480-55331-4	ISOPHORONE	3/4/2014			Yes	N	U		U	1100	90	ug/l
CC-C-051-GW-20140226	480-55331-4	INDENO(1,2,3-C,D)PYRENE	3/4/2014	550		Yes	Y	J		J	1100	99	ug/l
CC-C-051-GW-20140226	480-55331-4	HEXACHLOROETHANE	3/4/2014			Yes	N	U		U	1100	120	ug/l
CC-C-051-GW-20140226	480-55331-4	HEXACHLOROCYCLOPENTADIENE	3/4/2014			Yes	N	U		U	1100	120	ug/l
CC-C-051-GW-20140226	480-55331-4	CAPROLACTAM	3/4/2014			Yes	N	U		U	1100	460	ug/l
CC-C-051-GW-20140226	480-55331-4	CARBAZOLE	3/4/2014	6300		Yes	Y				1100	63	ug/l
CC-C-051-GW-20140226	480-55331-4	CHRYSENE	3/4/2014	5800		Yes	Y				1100	69	ug/l
CC-C-051-GW-20140226	480-55331-4	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014			Yes	N	U		U	1100	110	ug/l
CC-C-051-GW-20140226	480-55331-4	DIBENZOFURAN	3/4/2014	17000		No	Y	E			2100	110	ug/l
CC-C-051-GW-20140226	480-55331-4	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014			Yes	N	U		U	1100	380	ug/l
CC-C-051-GW-20140226	480-55331-4	DIMETHYL PHTHALATE	3/4/2014			Yes	N	U		U	1100	76	ug/l
CC-C-051-GW-20140226	480-55331-4	DI-N-BUTYL PHTHALATE	3/4/2014			Yes	N	U		U	1100	65	ug/l
CC-C-051-GW-20140226	480-55331-4	DI-N-OCTYLPHTHALATE	3/4/2014			Yes	N	U		U	1100	99	ug/l
CC-C-051-GW-20140226	480-55331-4	FLUORANTHENE	3/4/2014	34000		No	Y	E			1100	84	ug/l
CC-C-051-GW-20140226	480-55331-4	FLUORENE	3/4/2014	20000		No	Y	E			1100	76	ug/l
CC-C-051-GW-20140226	480-55331-4	HEXACHLOROBENZENE	3/4/2014			Yes	N	U		U	1100	110	ug/l
CC-C-051-GW-20140226	480-55331-4	HEXACHLOROBUTADIENE	3/4/2014			Yes	N	U		U	1100	140	ug/l
CC-C-051-GW-20140226	480-55331-4	DIBENZ(A,H)ANTHRACENE	3/4/2014	330		Yes	Y	J		J	1100	88	ug/l
CC-C-051-GW-20140226	480-55331-4	BIPHENYL (DIPHENYL)	3/4/2014	11000		Yes	Y				1100	140	ug/l
CC-C-051-GW-20140226	480-55331-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014			Yes	N	U		U	1100	84	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZYL BUTYL PHTHALATE	3/4/2014			Yes	N	U		U	1100	88	ug/l
CC-C-051-GW-20140226	480-55331-4	BIS(2-CHLOROETHOXY) METHANE	3/4/2014			Yes	N	U		U	1100	74	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014			No	N	U		U	5300	550	ug/l
CC-C-051-GW-20140226	480-55331-4	BIS(2-CHLOROETHOXY) METHANE	3/4/2014			No	N	U		U	5300	370	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZYL BUTYL PHTHALATE	3/4/2014			No	N	U		U	5300	440	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(K)FLUORANTHENE	3/4/2014	1400		No	Y	J		J	5300	770	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(G,H,I)PERYLENE	3/4/2014	800		No	Y	J		J	5300	370	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(B)FLUORANTHENE	3/4/2014	4200		No	Y	J		J	5300	360	ug/l
CC-C-051-GW-20140226	480-55331-4	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014			No	N	U		U	5300	1900	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(A)ANTHRACENE	3/4/2014	8200		No	Y				5300	380	ug/l
CC-C-051-GW-20140226	480-55331-4	FLUORENE	3/4/2014	29000		Yes	Y				5300	380	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZALDEHYDE	3/4/2014			No	N	U		U	5300	280	ug/l
CC-C-051-GW-20140226	480-55331-4	BIPHENYL (DIPHENYL)	3/4/2014	7200		No	Y				5300	690	ug/l
CC-C-051-GW-20140226	480-55331-4	DIMETHYL PHTHALATE	3/4/2014			No	N	U		U	5300	380	ug/l
CC-C-051-GW-20140226	480-55331-4	CARBAZOLE	3/4/2014	4800		No	Y	J		J	5300	320	ug/l
CC-C-051-GW-20140226	480-55331-4	CHRYSENE	3/4/2014	5700		No	Y				5300	350	ug/l
CC-C-051-GW-20140226	480-55331-4	DIBENZ(A,H)ANTHRACENE	3/4/2014			No	N	U		U	5300	440	ug/l
CC-C-051-GW-20140226	480-55331-4	DIBENZOFURAN	3/4/2014	27000		Yes	Y				11000	540	ug/l
CC-C-051-GW-20140226	480-55331-4	ATRAZINE	3/4/2014			No	N	U		U	5300	480	ug/l
CC-C-051-GW-20140226	480-55331-4	BENZO(A)PYRENE	3/4/2014	2600		No	Y	J		J	5300	490	ug/l
CC-C-051-GW-20140226	480-55331-4	CAPROLACTAM	3/4/2014			No	N	U		U	5300	2300	ug/l
CC-C-051-GW-20140226	480-55331-4	ISOPHORONE	3/4/2014			No	N	U		U	5300	450	ug/l
CC-C-051-GW-20140226	480-55331-4	NAPHTHALENE	3/4/2014	17000		No	Y				5300	800	ug/l
CC-C-051-GW-20140226	480-55331-4	NITROBENZENE	3/4/2014			No	N	U		U	5300	310	ug/l
CC-C-051-GW-20140226	480-55331-4	N-NITROSODI-N-PROPYLAMINE	3/4/2014			No	N	U		U	5300	570	ug/l
CC-C-051-GW-20140226	480-55331-4	N-NITROSODIPHENYLAMINE	3/4/2014			No	N	U		U	5300	540	ug/l
CC-C-051-GW-20140226	480-55331-4	PENTACHLOROPHENOL	3/4/2014			No	N	U		U	11000	2300	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	PHENANTHRENE	3/4/2014	61000		Yes	Y				5300	460	ug/l
CC-C-051-GW-20140226	480-55331-4	DI-N-OCTYLPHTHALATE	3/4/2014			No	N	U		U	5300	490	ug/l
CC-C-051-GW-20140226	480-55331-4	DIETHYL PHTHALATE	3/4/2014			No	N	U		U	5300	230	ug/l
CC-C-051-GW-20140226	480-55331-4	DI-N-BUTYL PHTHALATE	3/4/2014			No	N	U		U	5300	330	ug/l
CC-C-051-GW-20140226	480-55331-4	INDENO(1,2,3-C,D)PYRENE	3/4/2014	1100		No	Y	J		J	5300	490	ug/l
CC-C-051-GW-20140226	480-55331-4	HEXACHLOROETHANE	3/4/2014			No	N	U		U	5300	620	ug/l
CC-C-051-GW-20140226	480-55331-4	HEXACHLOROCYCLOPENTADIENE	3/4/2014			No	N	U		U	5300	620	ug/l
CC-C-051-GW-20140226	480-55331-4	HEXACHLOROBUTADIENE	3/4/2014			No	N	U		U	5300	720	ug/l
CC-C-051-GW-20140226	480-55331-4	HEXACHLOROBENZENE	3/4/2014			No	N	U		U	5300	540	ug/l
CC-C-051-GW-20140226	480-55331-4	FLUORANTHENE	3/4/2014	49000		Yes	Y				5300	420	ug/l
CC-C-051-GW-20140226	480-55331-4	PYRENE	3/4/2014	32000		Yes	Y				5300	360	ug/l
CC-C-051-GW-20140226	480-55331-4	PHENOL	3/4/2014			No	N	U		U	5300	410	ug/l
CC-C-051-GW-20140226	480-55331-4	4-BROMOPHENYL PHENYL ETHER	3/4/2014			No	N	U		U	5300	470	ug/l
CC-C-051-GW-20140226	480-55331-4	ACETOPHENONE	3/4/2014			No	N	U		U	5300	570	ug/l
CC-C-051-GW-20140226	480-55331-4	ACENAPHTHYLENE	3/4/2014			No	N	U		U	5300	400	ug/l
CC-C-051-GW-20140226	480-55331-4	ACENAPHTHENE	3/4/2014	37000		Yes	Y				5300	430	ug/l
CC-C-051-GW-20140226	480-55331-4	4-NITROPHENOL	3/4/2014			No	N	U		U	11000	1600	ug/l
CC-C-051-GW-20140226	480-55331-4	4-NITROANILINE	3/4/2014			No	N	U		U	11000	260	ug/l
CC-C-051-GW-20140226	480-55331-4	ANTHRACENE	3/4/2014	7200		No	Y				5300	290	ug/l
CC-C-051-GW-20140226	480-55331-4	4-CHLOROANILINE	3/4/2014			No	N	U		U	5300	620	ug/l
CC-C-051-GW-20140226	480-55331-4	4-CHLOROPHENYL PHENYL ETHER	3/4/2014			No	N	U		U	5300	370	ug/l
CC-C-051-GW-20140226	480-55331-4	4,6-DINITRO-2-METHYLPHENOL	3/4/2014			No	N	U		U	11000	2300	ug/l
CC-C-051-GW-20140226	480-55331-4	3-NITROANILINE	3/4/2014			No	N	U		U	11000	510	ug/l
CC-C-051-GW-20140226	480-55331-4	3,3'-DICHLOROBENZIDINE	3/4/2014			No	N	U		U	5300	420	ug/l
CC-C-051-GW-20140226	480-55331-4	2-NITROPHENOL	3/4/2014			No	N	U		U	5300	510	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
CC-C-051-GW-20140226	480-55331-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014			No	N	U		U	5300	420	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4,5-TRICHLOROPHENOL	3/4/2014			No	N	U		U	5300	510	ug/l
CC-C-051-GW-20140226	480-55331-4	4-METHYLPHENOL (P-CRESOL)	3/4/2014			No	N	U		U	11000	380	ug/l
CC-C-051-GW-20140226	480-55331-4	2-CHLOROPHENOL	3/4/2014			No	N	U		U	5300	560	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4-DICHLOROPHENOL	3/4/2014			No	N	U		U	5300	540	ug/l
CC-C-051-GW-20140226	480-55331-4	2-NITROANILINE	3/4/2014			No	N	U		U	11000	440	ug/l
CC-C-051-GW-20140226	480-55331-4	2-METHYLPHENOL (O-CRESOL)	3/4/2014			No	N	U		U	5300	420	ug/l
CC-C-051-GW-20140226	480-55331-4	4-CHLORO-3-METHYLPHENOL	3/4/2014			No	N	U		U	5300	470	ug/l
CC-C-051-GW-20140226	480-55331-4	2-METHYLNAPHTHALENE	3/4/2014	31000		Yes	Y				5300	630	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4,6-TRICHLOROPHENOL	3/4/2014			No	N	U		U	5300	640	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4-DINITROPHENOL	3/4/2014			No	N	U		U	11000	2300	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4-DIMETHYLPHENOL	3/4/2014			No	N	U		U	5300	530	ug/l
CC-C-051-GW-20140226	480-55331-4	2,4-DINITROTOLUENE	3/4/2014			No	N	U		U	5300	470	ug/l
CC-C-051-GW-20140226	480-55331-4	2,6-DINITROTOLUENE	3/4/2014			No	N	U		U	5300	420	ug/l
CC-C-051-GW-20140226	480-55331-4	2-CHLORONAPHTHALENE	3/4/2014			No	N	U		U	5300	480	ug/l
FB004-GW-20140226	480-55331-7	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U		U	4.8	0.39	ug/l
FB004-GW-20140226	480-55331-7	2-NITROANILINE	3/3/2014			Yes	N	U		U	9.7	0.41	ug/l
FB004-GW-20140226	480-55331-7	3-NITROANILINE	3/3/2014			Yes	N	U		U	9.7	0.47	ug/l
FB004-GW-20140226	480-55331-7	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	4.8	0.51	ug/l
FB004-GW-20140226	480-55331-7	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	4.8	0.45	ug/l
FB004-GW-20140226	480-55331-7	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	4.8	0.39	ug/l
FB004-GW-20140226	480-55331-7	ACENAPHTHENE	3/3/2014	1.1		Yes	Y	J		J	4.8	0.40	ug/l
FB004-GW-20140226	480-55331-7	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	4.8	0.43	ug/l
FB004-GW-20140226	480-55331-7	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	4.8	0.37	ug/l
FB004-GW-20140226	480-55331-7	ACETOPHENONE	3/3/2014			Yes	N	U		U	4.8	0.52	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB004-GW-20140226	480-55331-7	2-METHYLNAPHTHALENE	3/3/2014	2.1		Yes	Y	J		J	4.8	0.58	ug/l
FB004-GW-20140226	480-55331-7	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	9.7	2.1	ug/l
FB004-GW-20140226	480-55331-7	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	4.8	0.44	ug/l
FB004-GW-20140226	480-55331-7	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	4.8	0.49	ug/l
FB004-GW-20140226	480-55331-7	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	9.7	2.2	ug/l
FB004-GW-20140226	480-55331-7	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	4.8	0.57	ug/l
FB004-GW-20140226	480-55331-7	BIPHENYL (DIPHENYL)	3/3/2014			Yes	N	U		U	4.8	0.63	ug/l
FB004-GW-20140226	480-55331-7	ANTHRACENE	3/3/2014			Yes	N	U		U	4.8	0.27	ug/l
FB004-GW-20140226	480-55331-7	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	4.8	0.39	ug/l
FB004-GW-20140226	480-55331-7	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	4.8	0.34	ug/l
FB004-GW-20140226	480-55331-7	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	4.8	0.44	ug/l
FB004-GW-20140226	480-55331-7	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	9.7	0.35	ug/l
FB004-GW-20140226	480-55331-7	4-NITROANILINE	3/3/2014			Yes	N	U		U	9.7	0.24	ug/l
FB004-GW-20140226	480-55331-7	4-NITROPHENOL	3/3/2014			Yes	N	U		U	9.7	1.5	ug/l
FB004-GW-20140226	480-55331-7	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	4.8	0.48	ug/l
FB004-GW-20140226	480-55331-7	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	4.8	0.52	ug/l
FB004-GW-20140226	480-55331-7	FLUORANTHENE	3/3/2014			Yes	N	U		U	4.8	0.39	ug/l
FB004-GW-20140226	480-55331-7	FLUORENE	3/3/2014	0.56		Yes	Y	J		J	4.8	0.35	ug/l
FB004-GW-20140226	480-55331-7	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	4.8	0.49	ug/l
FB004-GW-20140226	480-55331-7	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	4.8	0.66	ug/l
FB004-GW-20140226	480-55331-7	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	4.8	0.57	ug/l
FB004-GW-20140226	480-55331-7	PHENANTHRENE	3/3/2014	1		Yes	Y	J		J	4.8	0.43	ug/l
FB004-GW-20140226	480-55331-7	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U		U	4.8	0.46	ug/l
FB004-GW-20140226	480-55331-7	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	4.8	0.46	ug/l
FB004-GW-20140226	480-55331-7	NITROBENZENE	3/3/2014			Yes	N	U		U	4.8	0.28	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB004-GW-20140226	480-55331-7	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	4.8	0.57	ug/l
FB004-GW-20140226	480-55331-7	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	4.8	0.49	ug/l
FB004-GW-20140226	480-55331-7	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	9.7	2.1	ug/l
FB004-GW-20140226	480-55331-7	ATRAZINE	3/3/2014			Yes	N	U		U	4.8	0.45	ug/l
FB004-GW-20140226	480-55331-7	2-NITROPHENOL	3/3/2014			Yes	N	U		U	4.8	0.47	ug/l
FB004-GW-20140226	480-55331-7	PHENOL	3/3/2014			Yes	N	U		U	4.8	0.38	ug/l
FB004-GW-20140226	480-55331-7	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U		U	4.8	0.71	ug/l
FB004-GW-20140226	480-55331-7	PYRENE	3/3/2014			Yes	N	U		U	4.8	0.33	ug/l
FB004-GW-20140226	480-55331-7	BENZYL BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	4.8	0.41	ug/l
FB004-GW-20140226	480-55331-7	NAPHTHALENE	3/3/2014	2.5		Yes	Y	J		J	4.8	0.74	ug/l
FB004-GW-20140226	480-55331-7	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	4.8	0.34	ug/l
FB004-GW-20140226	480-55331-7	BENZALDEHYDE	3/3/2014			Yes	N	U		U	4.8	0.26	ug/l
FB004-GW-20140226	480-55331-7	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	4.8	0.35	ug/l
FB004-GW-20140226	480-55331-7	BENZO(A)PYRENE	3/3/2014			Yes	N	U		U	4.8	0.46	ug/l
FB004-GW-20140226	480-55331-7	BENZO(B)FLUORANTHENE	3/3/2014			Yes	N	U		U	4.8	0.33	ug/l
FB004-GW-20140226	480-55331-7	ISOPHORONE	3/3/2014			Yes	N	U		U	4.8	0.42	ug/l
FB004-GW-20140226	480-55331-7	DI-N-BUTYL PHTHALATE	3/3/2014	0.45		Yes	Y	J		J	4.8	0.30	ug/l
FB004-GW-20140226	480-55331-7	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	4.8	0.59	ug/l
FB004-GW-20140226	480-55331-7	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	4.8	0.47	ug/l
FB004-GW-20140226	480-55331-7	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U		U	4.8	0.34	ug/l
FB004-GW-20140226	480-55331-7	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	4.8	0.39	ug/l
FB004-GW-20140226	480-55331-7	CHRYSENE	3/3/2014			Yes	N	U		U	4.8	0.32	ug/l
FB004-GW-20140226	480-55331-7	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	4.8	0.35	ug/l
FB004-GW-20140226	480-55331-7	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	4.8	0.21	ug/l
FB004-GW-20140226	480-55331-7	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U		U	4.8	0.41	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
FB004-GW-20140226	480-55331-7	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	4.8	0.50	ug/l
FB004-GW-20140226	480-55331-7	CARBAZOLE	3/3/2014			Yes	N	U		U	4.8	0.29	ug/l
FB004-GW-20140226	480-55331-7	CAPROLACTAM	3/3/2014			Yes	N	U		U	4.8	2.1	ug/l
FB004-GW-20140226	480-55331-7	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014			Yes	N	U		U	4.8	1.7	ug/l
FB004-GW-20140226	480-55331-7	DIBENZOFURAN	3/3/2014	0.67		Yes	Y	J		J	9.7	0.49	ug/l
GM-11-20140226	480-55331-1	4-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.25	ug/l
GM-11-20140226	480-55331-1	ACETOPHENONE	3/3/2014			Yes	N	U		U	5.0	0.54	ug/l
GM-11-20140226	480-55331-1	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	10	0.36	ug/l
GM-11-20140226	480-55331-1	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
GM-11-20140226	480-55331-1	4-NITROPHENOL	3/3/2014			Yes	N	U		U	10	1.5	ug/l
GM-11-20140226	480-55331-1	ACENAPHTHENE	3/3/2014			Yes	N	U		U	5.0	0.41	ug/l
GM-11-20140226	480-55331-1	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	5.0	0.38	ug/l
GM-11-20140226	480-55331-1	ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.28	ug/l
GM-11-20140226	480-55331-1	ATRAZINE	3/3/2014			Yes	N	U		U	5.0	0.46	ug/l
GM-11-20140226	480-55331-1	BENZALDEHYDE	3/3/2014			Yes	N	U		U	5.0	0.27	ug/l
GM-11-20140226	480-55331-1	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
GM-11-20140226	480-55331-1	DI-N-BUTYL PHTHALATE	3/3/2014	0.54		Yes	Y	J	U	U	5.0	0.31	ug/l
GM-11-20140226	480-55331-1	BENZYL BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.42	ug/l
GM-11-20140226	480-55331-1	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
GM-11-20140226	480-55331-1	BIPHENYL (DIPHENYL)	3/3/2014			Yes	N	U		U	5.0	0.65	ug/l
GM-11-20140226	480-55331-1	2-METHYLNAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.60	ug/l
GM-11-20140226	480-55331-1	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.48	ug/l
GM-11-20140226	480-55331-1	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.61	ug/l
GM-11-20140226	480-55331-1	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	5.0	0.50	ug/l
GM-11-20140226	480-55331-1	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
GM-11-20140226	480-55331-1	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
GM-11-20140226	480-55331-1	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
GM-11-20140226	480-55331-1	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
GM-11-20140226	480-55331-1	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.53	ug/l
GM-11-20140226	480-55331-1	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
GM-11-20140226	480-55331-1	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
GM-11-20140226	480-55331-1	2-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.42	ug/l
GM-11-20140226	480-55331-1	2-NITROPHENOL	3/3/2014			Yes	N	U		U	5.0	0.48	ug/l
GM-11-20140226	480-55331-1	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U	UJ	UJ	5.0	0.40	ug/l
GM-11-20140226	480-55331-1	3-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.48	ug/l
GM-11-20140226	480-55331-1	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
GM-11-20140226	480-55331-1	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.0	0.45	ug/l
GM-11-20140226	480-55331-1	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.46	ug/l
GM-11-20140226	480-55331-1	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.22	ug/l
GM-11-20140226	480-55331-1	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
GM-11-20140226	480-55331-1	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	5.0	0.52	ug/l
GM-11-20140226	480-55331-1	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014			Yes	N	U		U	5.0	1.8	ug/l
GM-11-20140226	480-55331-1	CAPROLACTAM	3/3/2014			Yes	N	U		U	5.0	2.2	ug/l
GM-11-20140226	480-55331-1	CARBAZOLE	3/3/2014			Yes	N	U		U	5.0	0.30	ug/l
GM-11-20140226	480-55331-1	CHRYSENE	3/3/2014			Yes	N	U		U	5.0	0.33	ug/l
GM-11-20140226	480-55331-1	DIBENZOFURAN	3/3/2014			Yes	N	U		U	10	0.51	ug/l
GM-11-20140226	480-55331-1	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l
GM-11-20140226	480-55331-1	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	5.0	0.47	ug/l
GM-11-20140226	480-55331-1	FLUORANTHENE	3/3/2014			Yes	N	U		U	5.0	0.40	ug/l
GM-11-20140226	480-55331-1	FLUORENE	3/3/2014			Yes	N	U		U	5.0	0.36	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
GM-11-20140226	480-55331-1	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
GM-11-20140226	480-55331-1	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	5.0	0.68	ug/l
GM-11-20140226	480-55331-1	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	5.0	0.35	ug/l
GM-11-20140226	480-55331-1	PHENOL	3/3/2014			Yes	N	U		U	5.0	0.39	ug/l
GM-11-20140226	480-55331-1	BENZO(A)PYRENE	3/3/2014			Yes	N	U	UJ	UJ	5.0	0.47	ug/l
GM-11-20140226	480-55331-1	BENZO(B)FLUORANTHENE	3/3/2014			Yes	N	U	UJ	UJ	5.0	0.34	ug/l
GM-11-20140226	480-55331-1	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U	UJ	UJ	5.0	0.35	ug/l
GM-11-20140226	480-55331-1	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U	UJ	UJ	5.0	0.73	ug/l
GM-11-20140226	480-55331-1	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U	UJ	UJ	5.0	0.42	ug/l
GM-11-20140226	480-55331-1	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
GM-11-20140226	480-55331-1	PYRENE	3/3/2014			Yes	N	U		U	5.0	0.34	ug/l
GM-11-20140226	480-55331-1	ISOPHORONE	3/3/2014			Yes	N	U		U	5.0	0.43	ug/l
GM-11-20140226	480-55331-1	PHENANTHRENE	3/3/2014			Yes	N	U		U	5.0	0.44	ug/l
GM-11-20140226	480-55331-1	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	10	2.2	ug/l
GM-11-20140226	480-55331-1	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	5.0	0.51	ug/l
GM-11-20140226	480-55331-1	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	5.0	0.54	ug/l
GM-11-20140226	480-55331-1	NITROBENZENE	3/3/2014			Yes	N	U		U	5.0	0.29	ug/l
GM-11-20140226	480-55331-1	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	5.0	0.59	ug/l
GM-11-20140226	480-55331-1	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U	UJ	UJ	5.0	0.47	ug/l
GM-11-20140226	480-55331-1	NAPHTHALENE	3/3/2014			Yes	N	U		U	5.0	0.76	ug/l
LT-C-054-GW-20140226	480-55331-5	CAPROLACTAM	3/3/2014			Yes	N	U		U	5.2	2.3	ug/l
LT-C-054-GW-20140226	480-55331-5	DI-N-OCTYLPHTHALATE	3/3/2014			Yes	N	U		U	5.2	0.49	ug/l
LT-C-054-GW-20140226	480-55331-5	DI-N-BUTYL PHTHALATE	3/3/2014	0.55		Yes	Y	J	U	U	5.2	0.32	ug/l
LT-C-054-GW-20140226	480-55331-5	DIMETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.2	0.38	ug/l
LT-C-054-GW-20140226	480-55331-5	DIETHYL PHTHALATE	3/3/2014			Yes	N	U		U	5.2	0.23	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	DIBENZOFURAN	3/3/2014	1.1		Yes	Y	J	U	U	10	0.53	ug/l
LT-C-054-GW-20140226	480-55331-5	BENZYL BUTYL PHTHALATE	3/3/2014			Yes	N	U		U	5.2	0.44	ug/l
LT-C-054-GW-20140226	480-55331-5	CARBAZOLE	3/3/2014			Yes	N	U		U	5.2	0.31	ug/l
LT-C-054-GW-20140226	480-55331-5	HEXACHLOROBENZENE	3/3/2014			Yes	N	U		U	5.2	0.53	ug/l
LT-C-054-GW-20140226	480-55331-5	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014			Yes	N	U		U	5.2	1.9	ug/l
LT-C-054-GW-20140226	480-55331-5	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014			Yes	N	U		U	5.2	0.54	ug/l
LT-C-054-GW-20140226	480-55331-5	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	5.2	0.42	ug/l
LT-C-054-GW-20140226	480-55331-5	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	5.2	0.37	ug/l
LT-C-054-GW-20140226	480-55331-5	INDENO(1,2,3-C,D)PYRENE	3/3/2014			Yes	N	U	UJ	UJ	5.2	0.49	ug/l
LT-C-054-GW-20140226	480-55331-5	CHRYSENE	3/3/2014			Yes	N	U		U	5.2	0.34	ug/l
LT-C-054-GW-20140226	480-55331-5	FLUORENE	3/3/2014	1.2		Yes	Y	J	U	U	5.2	0.38	ug/l
LT-C-054-GW-20140226	480-55331-5	BENZO(A)ANTHRACENE	3/3/2014			Yes	N	U		U	5.2	0.38	ug/l
LT-C-054-GW-20140226	480-55331-5	HEXACHLOROBUTADIENE	3/3/2014			Yes	N	U		U	5.2	0.71	ug/l
LT-C-054-GW-20140226	480-55331-5	HEXACHLOROCYCLOPENTADIENE	3/3/2014			Yes	N	U		U	5.2	0.62	ug/l
LT-C-054-GW-20140226	480-55331-5	HEXACHLOROETHANE	3/3/2014			Yes	N	U		U	5.2	0.62	ug/l
LT-C-054-GW-20140226	480-55331-5	BENZO(A)PYRENE	3/3/2014			Yes	N	U	UJ	UJ	5.2	0.49	ug/l
LT-C-054-GW-20140226	480-55331-5	ISOPHORONE	3/3/2014			Yes	N	U		U	5.2	0.45	ug/l
LT-C-054-GW-20140226	480-55331-5	NAPHTHALENE	3/3/2014	1.4		Yes	Y	J	U	U	5.2	0.79	ug/l
LT-C-054-GW-20140226	480-55331-5	NITROBENZENE	3/3/2014			Yes	N	U		U	5.2	0.30	ug/l
LT-C-054-GW-20140226	480-55331-5	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	5.2	0.56	ug/l
LT-C-054-GW-20140226	480-55331-5	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	5.2	0.53	ug/l
LT-C-054-GW-20140226	480-55331-5	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	10	2.3	ug/l
LT-C-054-GW-20140226	480-55331-5	PHENANTHRENE	3/3/2014	2.8		Yes	Y	J	U	U	5.2	0.46	ug/l
LT-C-054-GW-20140226	480-55331-5	PHENOL	3/3/2014			Yes	N	U		U	5.2	0.41	ug/l
LT-C-054-GW-20140226	480-55331-5	FLUORANTHENE	3/3/2014	1.1		Yes	Y	J		J	5.2	0.42	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	10	2.3	ug/l
LT-C-054-GW-20140226	480-55331-5	2,4,5-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.2	0.50	ug/l
LT-C-054-GW-20140226	480-55331-5	2,4,6-TRICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.2	0.64	ug/l
LT-C-054-GW-20140226	480-55331-5	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	5.2	0.53	ug/l
LT-C-054-GW-20140226	480-55331-5	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	5.2	0.52	ug/l
LT-C-054-GW-20140226	480-55331-5	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	10	2.3	ug/l
LT-C-054-GW-20140226	480-55331-5	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.2	0.47	ug/l
LT-C-054-GW-20140226	480-55331-5	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	5.2	0.42	ug/l
LT-C-054-GW-20140226	480-55331-5	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	5.2	0.48	ug/l
LT-C-054-GW-20140226	480-55331-5	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	5.2	0.55	ug/l
LT-C-054-GW-20140226	480-55331-5	2-METHYLNAPHTHALENE	3/3/2014	1.6		Yes	Y	J	U	U	5.2	0.63	ug/l
LT-C-054-GW-20140226	480-55331-5	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	5.2	0.42	ug/l
LT-C-054-GW-20140226	480-55331-5	2-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.44	ug/l
LT-C-054-GW-20140226	480-55331-5	2-NITROPHENOL	3/3/2014			Yes	N	U		U	5.2	0.50	ug/l
LT-C-054-GW-20140226	480-55331-5	BIPHENYL (DIPHENYL)	3/3/2014	0.68		Yes	Y	J		J	5.2	0.68	ug/l
LT-C-054-GW-20140226	480-55331-5	4-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.26	ug/l
LT-C-054-GW-20140226	480-55331-5	BENZALDEHYDE	3/3/2014			Yes	N	U		U	5.2	0.28	ug/l
LT-C-054-GW-20140226	480-55331-5	ATRAZINE	3/3/2014			Yes	N	U		U	5.2	0.48	ug/l
LT-C-054-GW-20140226	480-55331-5	ANTHRACENE	3/3/2014			Yes	N	U		U	5.2	0.29	ug/l
LT-C-054-GW-20140226	480-55331-5	ACETOPHENONE	3/3/2014			Yes	N	U		U	5.2	0.56	ug/l
LT-C-054-GW-20140226	480-55331-5	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	5.2	0.40	ug/l
LT-C-054-GW-20140226	480-55331-5	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U	UJ	UJ	5.2	0.42	ug/l
LT-C-054-GW-20140226	480-55331-5	4-NITROPHENOL	3/3/2014			Yes	N	U		U	10	1.6	ug/l
LT-C-054-GW-20140226	480-55331-5	3-NITROANILINE	3/3/2014			Yes	N	U		U	10	0.50	ug/l
LT-C-054-GW-20140226	480-55331-5	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	10	0.38	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-C-054-GW-20140226	480-55331-5	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.2	0.37	ug/l
LT-C-054-GW-20140226	480-55331-5	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	5.2	0.62	ug/l
LT-C-054-GW-20140226	480-55331-5	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	5.2	0.47	ug/l
LT-C-054-GW-20140226	480-55331-5	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	5.2	0.47	ug/l
LT-C-054-GW-20140226	480-55331-5	PYRENE	3/3/2014	0.61		Yes	Y	J		J	5.2	0.36	ug/l
LT-C-054-GW-20140226	480-55331-5	ACENAPHTHENE	3/3/2014	1.7		Yes	Y	J	U	U	5.2	0.43	ug/l
LT-C-054-GW-20140226	480-55331-5	BENZO(B)FLUORANTHENE	3/3/2014			Yes	N	U	UJ	UJ	5.2	0.36	ug/l
LT-C-054-GW-20140226	480-55331-5	BENZO(G,H,I)PERYLENE	3/3/2014			Yes	N	U	UJ	UJ	5.2	0.37	ug/l
LT-C-054-GW-20140226	480-55331-5	BENZO(K)FLUORANTHENE	3/3/2014			Yes	N	U	UJ	UJ	5.2	0.76	ug/l
LT-C-054-GW-20140226	480-55331-5	DIBENZ(A,H)ANTHRACENE	3/3/2014			Yes	N	U	UJ	UJ	5.2	0.44	ug/l
LT-G-010-GW-20140227	480-55331-9	2-CHLORONAPHTHALENE	3/3/2014			Yes	N	U		U	4.9	0.45	ug/l
LT-G-010-GW-20140227	480-55331-9	4-BROMOPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	4.9	0.44	ug/l
LT-G-010-GW-20140227	480-55331-9	4,6-DINITRO-2-METHYLPHENOL	3/3/2014			Yes	N	U		U	9.7	2.1	ug/l
LT-G-010-GW-20140227	480-55331-9	3-NITROANILINE	3/3/2014			Yes	N	U		U	9.7	0.47	ug/l
LT-G-010-GW-20140227	480-55331-9	3,3'-DICHLOROBENZIDINE	3/3/2014			Yes	N	U	UJ	UJ	4.9	0.39	ug/l
LT-G-010-GW-20140227	480-55331-9	2-NITROPHENOL	3/3/2014			Yes	N	U		U	4.9	0.47	ug/l
LT-G-010-GW-20140227	480-55331-9	2-NITROANILINE	3/3/2014			Yes	N	U		U	9.7	0.41	ug/l
LT-G-010-GW-20140227	480-55331-9	2-METHYLPHENOL (O-CRESOL)	3/3/2014			Yes	N	U		U	4.9	0.39	ug/l
LT-G-010-GW-20140227	480-55331-9	4-CHLORO-3-METHYLPHENOL	3/3/2014			Yes	N	U		U	4.9	0.44	ug/l
LT-G-010-GW-20140227	480-55331-9	2-CHLOROPHENOL	3/3/2014			Yes	N	U		U	4.9	0.52	ug/l
LT-G-010-GW-20140227	480-55331-9	2,6-DINITROTOLUENE	3/3/2014			Yes	N	U		U	4.9	0.39	ug/l
LT-G-010-GW-20140227	480-55331-9	2,4-DINITROTOLUENE	3/3/2014			Yes	N	U		U	4.9	0.44	ug/l
LT-G-010-GW-20140227	480-55331-9	2,4-DINITROPHENOL	3/3/2014			Yes	N	U		U	9.7	2.2	ug/l
LT-G-010-GW-20140227	480-55331-9	2,4-DIMETHYLPHENOL	3/3/2014			Yes	N	U		U	4.9	0.49	ug/l
LT-G-010-GW-20140227	480-55331-9	2-METHYLNAPHTHALENE	3/3/2014			Yes	N	U		U	4.9	0.58	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res	Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-010-GW-20140227	480-55331-9	PYRENE	3/3/2014	0.37		Yes	Y	J		J	4.9	0.33	ug/l
LT-G-010-GW-20140227	480-55331-9	ISOPHORONE	3/3/2014			Yes	N	U		U	4.9	0.42	ug/l
LT-G-010-GW-20140227	480-55331-9	FLUORANTHENE	3/3/2014	0.5		Yes	Y	J	U	U	4.9	0.39	ug/l
LT-G-010-GW-20140227	480-55331-9	NITROBENZENE	3/3/2014			Yes	N	U		U	4.9	0.28	ug/l
LT-G-010-GW-20140227	480-55331-9	N-NITROSODI-N-PROPYLAMINE	3/3/2014			Yes	N	U		U	4.9	0.53	ug/l
LT-G-010-GW-20140227	480-55331-9	N-NITROSODIPHENYLAMINE	3/3/2014			Yes	N	U		U	4.9	0.50	ug/l
LT-G-010-GW-20140227	480-55331-9	PENTACHLOROPHENOL	3/3/2014			Yes	N	U		U	9.7	2.1	ug/l
LT-G-010-GW-20140227	480-55331-9	4-CHLOROANILINE	3/3/2014			Yes	N	U		U	4.9	0.57	ug/l
LT-G-010-GW-20140227	480-55331-9	PHENOL	3/3/2014			Yes	N	U		U	4.9	0.38	ug/l
LT-G-010-GW-20140227	480-55331-9	ACETOPHENONE	3/3/2014			Yes	N	U		U	4.9	0.53	ug/l
LT-G-010-GW-20140227	480-55331-9	ACENAPHTHENE	3/3/2014			Yes	N	U		U	4.9	0.40	ug/l
LT-G-010-GW-20140227	480-55331-9	4-NITROPHENOL	3/3/2014			Yes	N	U		U	9.7	1.5	ug/l
LT-G-010-GW-20140227	480-55331-9	4-NITROANILINE	3/3/2014			Yes	N	U		U	9.7	0.24	ug/l
LT-G-010-GW-20140227	480-55331-9	4-METHYLPHENOL (P-CRESOL)	3/3/2014			Yes	N	U		U	9.7	0.35	ug/l
LT-G-010-GW-20140227	480-55331-9	2,4-DICHLOROPHENOL	3/3/2014			Yes	N	U		U	4.9	0.50	ug/l
LT-G-010-GW-20140227	480-55331-9	4-CHLOROPHENYL PHENYL ETHER	3/3/2014			Yes	N	U		U	4.9	0.34	ug/l
LT-G-010-GW-20140227	480-55331-9	PHENANTHRENE	3/3/2014	0.5		Yes	Y	J	U	U	4.9	0.43	ug/l
LT-G-010-GW-20140227	480-55331-9	BIS(2-CHLOROETHOXY) METHANE	3/3/2014			Yes	N	U		U	4.9	0.34	ug/l
LT-G-010-GW-20140227	480-55331-9	CHRYSENE	3/3/2014			Yes	N	U		U	4.9	0.32	ug/l
LT-G-010-GW-20140227	480-55331-9	CARBAZOLE	3/3/2014			Yes	N	U		U	4.9	0.29	ug/l
LT-G-010-GW-20140227	480-55331-9	CAPROLACTAM	3/3/2014			Yes	N	U		U	4.9	2.1	ug/l
LT-G-010-GW-20140227	480-55331-9	ACENAPHTHYLENE	3/3/2014			Yes	N	U		U	4.9	0.37	ug/l
LT-G-010-GW-20140227	480-55331-9	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	16		Yes	Y	B			4.9	1.8	ug/l
LT-G-010-GW-20140227	480-55331-9	ATRAZINE	3/3/2014			Yes	N	U		U	4.9	0.45	ug/l
LT-G-010-GW-20140227	480-55331-9	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014			Yes	N	U		U	4.9	0.39	ug/l

SDG: 480553311

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Mod Res Report	Detect	Lab Qual	Val Qual	Reason	RL	MDL	Units
LT-G-010-GW-20140227	480-55331-9	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	4.9	0.35	ug/l
LT-G-010-GW-20140227	480-55331-9	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	4.9	0.64	ug/l
LT-G-010-GW-20140227	480-55331-9	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	4.9	0.41	ug/l
LT-G-010-GW-20140227	480-55331-9	BENZO(A)PYRENE	3/3/2014	0.66	Yes	Y	J	J	J	4.9	0.46	ug/l
LT-G-010-GW-20140227	480-55331-9	BENZO(B)FLUORANTHENE	3/3/2014	1.1	Yes	Y	J	J	J	4.9	0.33	ug/l
LT-G-010-GW-20140227	480-55331-9	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U	UJ	UJ	4.9	0.46	ug/l
LT-G-010-GW-20140227	480-55331-9	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U	UJ	UJ	4.9	0.71	ug/l
LT-G-010-GW-20140227	480-55331-9	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	4.9	0.51	ug/l
LT-G-010-GW-20140227	480-55331-9	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	4.9	0.50	ug/l
LT-G-010-GW-20140227	480-55331-9	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U	UJ	UJ	4.9	0.34	ug/l
LT-G-010-GW-20140227	480-55331-9	BENZALDEHYDE	3/3/2014		Yes	N	U		U	4.9	0.26	ug/l
LT-G-010-GW-20140227	480-55331-9	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U	UJ	UJ	4.9	0.41	ug/l
LT-G-010-GW-20140227	480-55331-9	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	4.9	0.59	ug/l
LT-G-010-GW-20140227	480-55331-9	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	4.9	0.47	ug/l
LT-G-010-GW-20140227	480-55331-9	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	4.9	0.57	ug/l
LT-G-010-GW-20140227	480-55331-9	DIBENZOFURAN	3/3/2014		Yes	N	U		U	9.7	0.50	ug/l
LT-G-010-GW-20140227	480-55331-9	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	4.9	0.66	ug/l
LT-G-010-GW-20140227	480-55331-9	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	4.9	0.21	ug/l
LT-G-010-GW-20140227	480-55331-9	DI-N-BUTYL PHTHALATE	3/3/2014	0.31	Yes	Y	J	U	U	4.9	0.30	ug/l
LT-G-010-GW-20140227	480-55331-9	NAPHTHALENE	3/3/2014		Yes	N	U		U	4.9	0.74	ug/l
LT-G-010-GW-20140227	480-55331-9	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	4.9	0.35	ug/l
LT-G-010-GW-20140227	480-55331-9	DI-N-OCTYLPHTHALATE	3/3/2014	1.3	Yes	Y	J		J	4.9	0.46	ug/l
LT-G-010-GW-20140227	480-55331-9	FLUORENE	3/3/2014		Yes	N	U		U	4.9	0.35	ug/l
LT-G-010-GW-20140227	480-55331-9	ANTHRACENE	3/3/2014		Yes	N	U		U	4.9	0.27	ug/l
LT-G-010-GW-20140227	480-55331-9	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	4.9	0.57	ug/l