Data Usability Summary Report

Vali-Data of WNY, LLC
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Mt. Kisco
TestAmerica SDG#480-58808-1
May 26, 2022
Sampling date: 4/25/2014, 5/6/2014

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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Sterling Environmental Engineering, project located at Mt. Kisco, TestAmerica #480-58808-1 submitted to Vali-Data of WNY, LLC on April 19, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Herbicide (8151A), PCB (8082A), Pesticide (8081B), Inorganics (6010C), Mercury (7471B) and in accordance with wet chemistry methods.

DUSR ID	Sample ID	Laboratory ID
1	DUP 2	480-58808-1
2	DUP 4	480-58808-2
3	DUP 5	480-58808-3
4	P2-1(S)	480-58808-4
5	P2-1(SED)	480-58808-5
6	P2-2(S)	480-58808-6
7	P2-2(SED)	480-58808-7
8	SS-11A	480-58808-8
9	SS-11B	480-58808-9
10	SS-5A	480-58808-10
11	SS-5B	480-58808-13
12	DUP-2	480-59388-1
13	DUP-4	480-59388-2
14	DUP-5	480-59388-3
15	P2-1(S)	480-59388-4
16	P2-1(SED)	480-59388-5
17	P2-2(S)	480-59388-6
18	SS-11B	480-59388-7
19	SS-11A	480-59388-8
20	SS-5A	480-59388-9
21	SS-5B	480-59388-10
22	TB050614-3	480-59388-11
23	P2-1(SED)	480-59388-12

The temperature of samples, DUSR ID#1-11 and 23, were outside QC limits. All target analytes in the analyses performed on these samples should be qualified as estimated.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD and Initial Calibration.

Samples: DUSR ID#14-16 and 15MS/MSD were method 5035L non-compliant, so any detects in these samples detected below 200ug/kg should be qualified as estimated low.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Acetone was detected in DUSR ID#1 but was not detected in DUSR ID#9.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except some target analytes were outside QC limits in the matrix spike and the matrix spike duplicate and should be qualified in the associated samples.

Target Analyte	%Rec 15MS	%Rec 15MSD	Qualifier	Associated Sample
1,2-Dichloroethane	76	73	UJ	13, 15

Target Analyte	%Rec 20MS	%Rec 20MSD	Qualifier	Associated Sample
1,2-Dichloroethane	69	68	UJ	20
1,2-Dichlorobenzene	50	51	UJ	20
cis-1,2-dichloroethene	79	74	UJ	20
Ethylbenzene	68	65	UJ	20
Tetrachloroethene	67	62	UJ	20
trans-1,2-dichloroethene	74	69	UJ	20

Target Analyte	%Rec 23MS	%Rec 23MSD	Qualifier	Associated Sample
1,2-Dichlorobenzene	46	59	UJ	23
Ethylbenzene	59	74	UJ	23
Tetrachloroethene	68	71	UJ	23

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.
Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial. That target analyte should be qualified as estimated in the associated blanks, spikes and samples.

ICal instrument ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal HP5973G	Chloroform	RRF	UJ/J	MB/LCS/LCSD 480-181084, 22

Alternate forms of regression were used on target analytes in which the %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, Phenanthrene and Pyrene were detected in DUSR ID#1 but were not detected in DUSR ID#9. Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, Phenanthrene and Pyrene were detected in DUSR ID#2 but were not detected in DUSR ID#4.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD >15.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, MS/MSD and Compound Quantitation.

Samples: DUSR ID#1, 7, 8, 10 and 10MS/MSD were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column RTX-CLPI was outside QC limits, high in DUSR ID#1 and should be qualified as estimated. This column was not prime, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except 4,4'-DDT, beta-BHC and gamma-BHC were detected in DUSR ID#4 but were not detected in DUSR ID#2. 4,4'-DDE was detected in DUSR ID#7 but was not detected in DUSR ID#3.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the RPD of 4,4'-DDE and beta-BHC was outside QC limits between DUSR ID#10MS and 10MSD and should be qualified as estimated. These target analytes should be qualified as estimated in DUSR ID#10.
The RPD of Aldrin, beta-BHC, Dieldrin, 4,4'-DDD and Methoxychlor was outside QC limits between the columns in #10MS and should be qualified as estimated.
The RPD of Aldrin, Dieldrin, 4,4'-DDD and Methoxychlor was outside QC limits between the columns in #10MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met except the RPD of several target analytes was outside QC limits between the columns and should be qualified as estimated.

Target Analyte	Samples outside RPD
delta-BHC	2, 3, 5
Endrin ketone	6, 8
4,4'-DDE	2, 4
Methoxychlor	6
4,4'-DDT	3-5, 9-11
gamma-BHC, beta-BHC	4

INITIAL CALIBRATION
All criteria were met.
Alternative forms of regression was used for all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of a surrogate was outside QC limits in the continuing calibration and should be qualified as estimated in the associated sample, blanks and spikes.

Ccal ID	Surrogate	%D	Column ID	Qualifier	Associated Sample
CCV 480-181960/12	2,4-Dichlorophenylacetic acid	15.2	RTX-CLPII	UJ/J	MB/LCS 480-180606, 1-10, 4MS/MSD, 5MS/MSD, 9MS/MSD, 10MS/MSD

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, MS/MSD/Duplicate and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and are qualified as estimated in the blanks. These target analytes should be qualified in associated samples in which they were detected.

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
CCB 480-179384/16	Be	.00064mg/L	U at RL	3
CCB 480-179384/16	Be	.00064mg/L	JH	1, 2, 4
CCB 480-179384/16	Ca	.439 mg/L	JH	1-4
CCB 480-179384/16	Fe	.0407 mg/L	JH	1-4
MB 480-178915	Mg	.975 mg/kg	JH	1-11
MB 480-178915	Zn	.228 mg/kg	JH	1-11

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met except some target analytes were outside QC limits in the matrix spike or duplicate and should be qualified as estimated.

Target Analyte	%Rec 4MS	%Rec 4MSD	RPD	Qualifier	Associated Sample
Al	188	157	-	JH	2, 4
Sb	59	63	-	UJ	2, 4
Ba	153	-	23	J	2, 4
K	144	-	26	J	2, 4
Na	129	-	28	J	2, 4

Target Analyte	%Rec 5MS	%Rec 5MSD	RPD	Qualifier	Associated Sample
Fe	3	36	-	J	3, 5
Hg	160	192	-	JH	3, 5
Mn	-	-	24	J	3, 5

Target Analyte	%Rec 9MS	%Rec 9MSD	RPD	Qualifier	Associated Sample
Sb	52	63	35	UJ	1, 9
Pb	142	139	-	JH	1, 9
Mn	361	287	-	JH	1, 9
Zn	132	131	-	JH	1, 9

Target Analyte	%Rec 10MS	%Rec 10MSD	RPD	Qualifier	Associated Sample
Sb	48	54	-	J	10
Ca	58	57	-	J	10
Cu	73	72	-	J	10
K	44	39	-	J	10
Zn	70	59	-	J	10

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except several target analytes were outside QC limits in the calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Cal ID	Target Analyte	%Rec	Qualifier	Associated Sample
ICVL 480-179384/8	Al	127	JH	7-11, 9MS/MS, 10MS/MSD
ICVL 480-179384/8	Be	111	JH	LCS 480-178915, 1-11, 4MS/MSD, 5MS/MSD, 9MS/MSD, 10MS/MSD
CCVL 480-179384/17	V	80	UJ/J	MB/LCS 480-178915, 1-4
CCVL 480-179384/17	Ba	127	JH	LCS 480-178915, 1-4
CCVL 480-179384/27	Ba	127	JH	LCS 480-178915, 1-6, 4MS/MSD, 5MS/MSD
CCVL 480-179384/27	Cd	114	JH	LCS 480-178915, 2-6, 4MS/MSD, 5MS/MSD
CCVL 480-179384/27	Pb	111	JH	LCS 480-178915, 1-6, 4MS/MSD, 5MS/MSD
CCVL 480-179384/37	As	88	UJ/J	5-10, 4MS/MSD, 5MS/MSD, 9MS/MSD, 10MS
CCVL 480-179384/37	V	83	UJ/J	5-10, 4MS/MSD, 5MS/MSD, 9MS/MSD, 10MS
CCVL 480-179384/37	Ba	114	JH	5-10, 4MS/MSD, 5MS/MSD, 9MS/MSD, 10MS
CCVL 480-179384/47	Al	116	JH	7-10, 9MS/MSD, 10MS
CCVL 480-179384/47	Ba	116	JH	7-10, 9MS/MSD, 10MS
CCVL 480-179384/52	Al	116	JH	10MSD, 11
CCVL 480-179384/52	Be	113	JH	10MSD, 11

Cal ID	Target Analyte	%Rec	Qualifier	Associated Sample
CCVL 480-179384/52	Ba	122	JH	10MSD, 11
CCVL 480-179384/52	Ag	114	JH	10MSD
CCVL 480-179262/36	Hg	81	UJ/J	10MSD, 11

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide
- Hexavalent Chromium
- Trivalent Chromium

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

CYANIDE
All criteria were met except Cn was detected in MB 480-179558/1-A above the MDL, below the reporting limit and is qualified as estimated. This target analyte should be qualified in associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(mg/kg)	Qualifier	Associated Sample
MB 480-179558	Cn	.929	U at RL	3, 5, 11

HEXAVALENT CHROMIUM
All criteria were met except Hexavalent Chromium was detected in DUSR ID#4 but was not detected in DUSR ID#2.

TRIVALENT CHROMIUM
All criteria were met except there was no raw data in the original package. This target analyte should be qualified as estimated in the blanks, samples and spikes.

Comments
No additional comments.

Receipt
The samples were received on 4/28/2014 9:30 AM and 5/7/2014 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 16 coolers at receipt time were 2.3º C, 2.4º C, 2.7º C, 2.8º C, 3.1º C, 4.9º C, 5.3º C, 7.3º C, 9.0º C, 9.0º C, 9.2º C, 9.3º C, 10.6º C, 10.7º C, 11.1º C and 11.3º C.

Except:

The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): P2-1 (SED) (480-59388-12), P2-1 (SED) (480-59388-12 MS), P2-1 (SED) (480-59388-12 MSD)

1 of 2 Trip Blanks were broken. Trip Blank B has been deleted from the job.

GC/MS VOA
Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 181084 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 181374 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria. (CCVIS 480-181374/4)

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 181434 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: Reported analyte concentrations in the following sample(s) are below 200ug/kg and may be biased low due to the sample(s) not being collected according to 5035-L/5035A-L low-level specifications: DUP-5 (480-59388-3), P2-1 (S) (480-59388-4), P2-1 (S) (480-59388-4 MS), P2-1 (S) (480-59388-4 MSD), P2-2 (SED) (480-59388-5).

No other analytical or quality issues were noted.

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

GC Semi VOA
Method(s) 8081B: The following sample and matrix spikes were diluted due to matrix effects: SS-5A (480-58808-10), SS-5A (480-58808-10 MS), SS-5A (480-58808-10 MSD). Spike and Surrogate recoveries are not reported or not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix : P2-2(Sed) (480-58808-7), SS-11A (480-58808-8). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8081B: All primary data is reported from the RTX-CLPI column, with the exception of samples DUP 2 (480-58808-1), DUP 4 (480-58808-2), P2-1(S) (480-58808-4), P2-2(S) (480-58808-6), for which primary data is reported from the RTX-CLPII column.

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: DUP 2 (480-58808-1). As such, surrogate recoveries are below the calibration range or are not reported. Elevated reporting limits (RLs) are provided.

Method(s) 8082A: All primary data is reported from the ZB-35 column.

Method(s) 8151A: All primary data is reported from the RTX-CLPI column.

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

Metals
Method(s) 6010C: The recoveries of Post Spike, (480-58808-4 PDS), in batch 480-178915 exhibited results outside the quality control limits for total zinc and aluminum. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary

Method(s) 6010C: The method blank for batch 480-178915 contained total magnesium and zinc above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples DUP 2 (480-58808-1), DUP 4 (480-58808-2), DUP 5 (480-58808-3), P2-1(S) (480-58808-4), P2-1(Sed) (480-58808-5), P2-2(S) (480-58808-6),

P2-2(Sed) (480-58808-7), SS-11A (480-58808-8), SS-11B (480-58808-9), SS-5A (480-58808-10), SS-5B (480-58808-11) was not performed.

Method(s) 6010C: The recoveries of Post Spike, (480-58808-4 PDS), in batch 480-178915 exhibited results outside the quality control limits for total barium, iron, potassium, manganese, and sodium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary

No other analytical or quality issues were noted.

General Chemistry
Method(s) 9012B: The method blank for batch 179801 contained Cyanide above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.DUP 5 (480-58808-3), P2-1(Sed) (480-58808-5), SS-5B (480-58808-11)

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3550C: The following samples:DUP 5 (480-58808-3), P2-1(Sed) (480-58808-5 MS), P2-1(Sed) (480-58808-5 MSD) were decanted prior to preparation .

Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: DUP 5 (480-58808-3), P2-1(Sed) (480-58808-5), P2-1(Sed) (480-58808-5 MS), P2-1(Sed) (480-58808-5 MSD), P2-2(Sed) (480-58808-7), SS-11A (480-58808-8), SS-11B (480-58808-9), SS-11B (480-58808-9 MS), SS-11B (480-58808-9 MSD), SS-5A (480-58808-10), SS-5A (480-58808-10 MS), SS-5A (480-58808-10 MSD), SS-5B (480-58808-11).

Method(s) 3550C: During extraction, the technician accidentally added an additional 1.0mL Hexane. Final volume became 11mL instead of the 8082 Method's 10mL: P2-1(Sed) (480-58808-5 MS), P2-1(Sed) (480-58808-5 MSD), SS-11B (480-58808-9 MS), SS-11B (480-58808-9 MSD), SS-5A (480-58808-10 MS), SS-5A (480-58808-10 MSD). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP-2**

Lab Sample ID: 480-59388-1 | Date Sampled: 05/06/2014 0000
Client Matrix: Solid | % Moisture: 36.3 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8405.D
Dilution:	1.0			Initial Weight/Volume:	4.87 g
Analysis Date:	05/12/2014 0555			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.58	8.1
1,1,2,2-Tetrachloroethane		ND		1.3	8.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.8	8.1
1,1,2-Trichloroethane		ND		1.0	8.1
1,1-Dichloroethane		ND		0.98	8.1
1,1-Dichloroethene		ND		0.99	8.1
1,2,4-Trichlorobenzene		ND		0.49	8.1
1,2-Dibromo-3-Chloropropane		ND		4.0	8.1
1,2-Dibromoethane		ND		1.0	8.1
1,2-Dichlorobenzene		ND		0.63	8.1
1,2-Dichloroethane		ND		0.40	8.1
1,2-Dichloropropane		ND		4.0	8.1
1,3-Dichlorobenzene		ND		0.41	8.1
1,4-Dichlorobenzene		ND		1.1	8.1
2-Butanone (MEK)		ND		2.9	40
2-Hexanone		ND		4.0	40
4-Methyl-2-pentanone (MIBK)		ND		2.6	40
Acetone		25	J	6.8	40
Benzene		ND		0.39	8.1
Bromodichloromethane		ND		1.1	8.1
Bromoform		ND		4.0	8.1
Bromomethane		ND		0.72	8.1
Carbon disulfide		ND		4.0	8.1
Carbon tetrachloride		ND		0.78	8.1
Chlorobenzene		ND		1.1	8.1
Chloroethane		ND		1.8	8.1
Chloroform		ND		0.50	8.1
Chloromethane		ND		0.49	8.1
cis-1,2-Dichloroethene		ND		1.0	8.1
cis-1,3-Dichloropropene		ND		1.2	8.1
Cyclohexane		ND		1.1	8.1
Dibromochloromethane		ND		1.0	8.1
Dichlorodifluoromethane		ND		0.67	8.1
Ethylbenzene		ND		0.56	8.1
Isopropylbenzene		ND		1.2	8.1
Methyl acetate		ND		4.9	8.1
Methyl tert-butyl ether		ND		0.79	8.1
Methylcyclohexane		ND		1.2	8.1
Methylene Chloride		ND		3.7	8.1
Styrene		ND		0.40	8.1
Tetrachloroethene		1.4	J	1.1	8.1
Toluene		ND		0.61	8.1
trans-1,2-Dichloroethene		ND		0.83	8.1
trans-1,3-Dichloropropene		ND		3.5	8.1
Trichloroethene		ND		1.8	8.1
Trichlorofluoromethane		ND		0.76	8.1

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP-2**

Lab Sample ID: 480-59388-1 | Date Sampled: 05/06/2014 0000
Client Matrix: Solid | % Moisture: 36.3 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8405.D
Dilution:	1.0			Initial Weight/Volume:	4.87 g
Analysis Date:	05/12/2014 0555			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.98	8.1
Xylenes, Total		ND		1.4	16

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Toluene-d8 (Surr)	106		71 - 125

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP-4**

Lab Sample ID: 480-59388-2
Client Matrix: Solid
% Moisture: 17.3
Date Sampled: 05/06/2014 0000
Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-181467	Lab File ID:	F8425.D
Dilution:	1.0			Initial Weight/Volume:	12.89 g
Analysis Date:	05/12/2014 1545			Final Weight/Volume:	5 g
Prep Date:	05/12/2014 1017				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.17	2.3
1,1,2,2-Tetrachloroethane		ND		0.38	2.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.53	2.3
1,1,2-Trichloroethane		ND		0.30	2.3
1,1-Dichloroethane		ND		0.29	2.3
1,1-Dichloroethene		ND		0.29	2.3
1,2,4-Trichlorobenzene		ND		0.14	2.3
1,2-Dibromo-3-Chloropropane		ND		1.2	2.3
1,2-Dibromoethane		ND		0.30	2.3
1,2-Dichlorobenzene		ND		0.18	2.3
1,2-Dichloroethane		ND	UJ	0.12	2.3
1,2-Dichloropropane		ND		1.2	2.3
1,3-Dichlorobenzene		ND		0.12	2.3
1,4-Dichlorobenzene		ND		0.33	2.3
2-Butanone (MEK)		ND		0.86	12
2-Hexanone		ND		1.2	12
4-Methyl-2-pentanone (MIBK)		ND		0.77	12
Acetone		ND		2.0	12
Benzene		ND		0.11	2.3
Bromodichloromethane		ND		0.31	2.3
Bromoform		ND		1.2	2.3
Bromomethane		ND		0.21	2.3
Carbon disulfide		ND		1.2	2.3
Carbon tetrachloride		ND		0.23	2.3
Chlorobenzene		ND		0.31	2.3
Chloroethane		ND		0.53	2.3
Chloroform		ND		0.14	2.3
Chloromethane		ND		0.14	2.3
cis-1,2-Dichloroethene		ND		0.30	2.3
cis-1,3-Dichloropropene		ND		0.34	2.3
Cyclohexane		ND		0.33	2.3
Dibromochloromethane		ND		0.30	2.3
Dichlorodifluoromethane		ND		0.19	2.3
Ethylbenzene		ND		0.16	2.3
Isopropylbenzene		ND		0.35	2.3
Methyl acetate		ND		1.4	2.3
Methyl tert-butyl ether		ND		0.23	2.3
Methylcyclohexane		ND		0.36	2.3
Methylene Chloride		ND		1.1	2.3
Styrene		ND		0.12	2.3
Tetrachloroethene		ND		0.31	2.3
Toluene		ND		0.18	2.3
trans-1,2-Dichloroethene		ND		0.24	2.3
trans-1,3-Dichloropropene		ND		1.0	2.3
Trichloroethene		ND		0.52	2.3
Trichlorofluoromethane		ND		0.22	2.3

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP-4**

Lab Sample ID: 480-59388-2 | Date Sampled: 05/06/2014 0000
Client Matrix: Solid | % Moisture: 17.3 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-181467	Lab File ID:	F8425.D
Dilution:	1.0			Initial Weight/Volume:	12.89 g
Analysis Date:	05/12/2014 1545			Final Weight/Volume:	5 g
Prep Date:	05/12/2014 1017				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.29	2.3
Xylenes, Total		ND		0.39	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	107		72 - 126
Toluene-d8 (Surr)	106		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP-5**

Lab Sample ID: 480-59388-3 | Date Sampled: 05/06/2014 0000
Client Matrix: Solid | % Moisture: 15.1 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-181469	Lab File ID:	F8426.D
Dilution:	1.0			Initial Weight/Volume:	5.1 g
Analysis Date:	05/12/2014 1610			Final Weight/Volume:	5 g
Prep Date:	05/12/2014 1026				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.42	5.8
1,1,2,2-Tetrachloroethane		ND		0.94	5.8
1,1,2-Trichloroethane		ND		0.75	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.8
1,1-Dichloroethane		ND		0.70	5.8
1,1-Dichloroethene		ND		0.71	5.8
1,2,4-Trichlorobenzene		ND		0.35	5.8
1,2-Dibromo-3-Chloropropane		ND		2.9	5.8
1,2-Dichlorobenzene		ND		0.45	5.8
1,2-Dichloroethane		ND		0.29	5.8
1,2-Dichloropropane		ND		2.9	5.8
1,3-Dichlorobenzene		ND		0.30	5.8
1,4-Dichlorobenzene		ND		0.81	5.8
2-Butanone (MEK)		ND		2.1	29
2-Hexanone		ND		2.9	29
4-Methyl-2-pentanone (MIBK)		ND		1.9	29
Acetone		ND		4.9	29
Benzene		ND		0.28	5.8
Bromodichloromethane		ND		0.77	5.8
Bromoform		ND		2.9	5.8
Bromomethane		ND		0.52	5.8
Carbon disulfide		ND		2.9	5.8
Carbon tetrachloride		ND		0.56	5.8
Chlorobenzene		ND		0.76	5.8
Dibromochloromethane		ND		0.74	5.8
Chloroethane		ND		1.3	5.8
Chloroform		ND		0.36	5.8
Chloromethane		ND		0.35	5.8
cis-1,2-Dichloroethene		ND		0.74	5.8
cis-1,3-Dichloropropene		ND		0.83	5.8
Cyclohexane		ND		0.81	5.8
Dichlorodifluoromethane		ND		0.48	5.8
Ethylbenzene		ND		0.40	5.8
1,2-Dibromoethane		ND		0.74	5.8
Isopropylbenzene		ND		0.87	5.8
Methyl acetate		ND		3.5	5.8
Methyl tert-butyl ether		ND		0.57	5.8
Methylcyclohexane		ND		0.88	5.8
Methylene Chloride		ND		2.7	5.8
Styrene		ND		0.29	5.8
Tetrachloroethene		1.6 JL	J	0.77	5.8
Toluene		ND		0.44	5.8
trans-1,2-Dichloroethene		ND		0.60	5.8
trans-1,3-Dichloropropene		ND		2.5	5.8
Trichloroethene		ND		1.3	5.8
Trichlorofluoromethane		ND		0.55	5.8

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP-5**

Lab Sample ID: 480-59388-3
Client Matrix: Solid
% Moisture: 15.1
Date Sampled: 05/06/2014 0000
Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-181469	Lab File ID:	F8426.D
Dilution:	1.0			Initial Weight/Volume:	5.1 g
Analysis Date:	05/12/2014 1610			Final Weight/Volume:	5 g
Prep Date:	05/12/2014 1026				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.70	5.8
Xylenes, Total		ND		0.97	12

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		71 - 125
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-1 (S)**

Lab Sample ID: 480-59388-4 | Date Sampled: 05/06/2014 1030
Client Matrix: Solid | % Moisture: 19.8 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-181469	Lab File ID:	F8427.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	05/12/2014 1635			Final Weight/Volume:	5 g
Prep Date:	05/12/2014 1026				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.45	6.2
1,1,2,2-Tetrachloroethane		ND		1.0	6.2
1,1,2-Trichloroethane		ND		0.81	6.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	6.2
1,1-Dichloroethane		ND		0.76	6.2
1,1-Dichloroethene		ND		0.76	6.2
1,2,4-Trichlorobenzene		ND		0.38	6.2
1,2-Dibromo-3-Chloropropane		ND		3.1	6.2
1,2-Dichlorobenzene		ND		0.49	6.2
1,2-Dichloroethane		ND	UJ	0.31	6.2
1,2-Dichloropropane		ND		3.1	6.2
1,3-Dichlorobenzene		ND		0.32	6.2
1,4-Dichlorobenzene		ND		0.87	6.2
2-Butanone (MEK)		ND		2.3	31
2-Hexanone		ND		3.1	31
4-Methyl-2-pentanone (MIBK)		ND		2.0	31
Acetone		ND		5.2	31
Benzene		ND		0.30	6.2
Bromodichloromethane		ND		0.83	6.2
Bromoform		ND		3.1	6.2
Bromomethane		ND		0.56	6.2
Carbon disulfide		ND		3.1	6.2
Carbon tetrachloride		ND		0.60	6.2
Chlorobenzene		ND		0.82	6.2
Dibromochloromethane		ND		0.80	6.2
Chloroethane		ND		1.4	6.2
Chloroform		ND		0.38	6.2
Chloromethane		ND		0.38	6.2
cis-1,2-Dichloroethene		ND		0.80	6.2
cis-1,3-Dichloropropene		ND		0.89	6.2
Cyclohexane		ND		0.87	6.2
Dichlorodifluoromethane		ND		0.51	6.2
Ethylbenzene		ND		0.43	6.2
1,2-Dibromoethane		ND		0.80	6.2
Isopropylbenzene		ND		0.94	6.2
Methyl acetate		ND		3.8	6.2
Methyl tert-butyl ether		ND		0.61	6.2
Methylcyclohexane		ND		0.94	6.2
Methylene Chloride		ND		2.9	6.2
Styrene		ND		0.31	6.2
Tetrachloroethene		ND		0.83	6.2
Toluene		ND		0.47	6.2
trans-1,2-Dichloroethene		ND		0.64	6.2
trans-1,3-Dichloropropene		ND		2.7	6.2
Trichloroethene		ND		1.4	6.2
Trichlorofluoromethane		ND		0.59	6.2

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-1 (S)**

Lab Sample ID: 480-59388-4 | Date Sampled: 05/06/2014 1030
Client Matrix: Solid | % Moisture: 19.8 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-181469	Lab File ID:	F8427.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	05/12/2014 1635			Final Weight/Volume:	5 g
Prep Date:	05/12/2014 1026				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.76	6.2
Xylenes, Total		ND		1.0	12

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	106		71 - 125
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
4-Bromofluorobenzene (Surr)	107		72 - 126

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-2 (SED)**

Lab Sample ID: 480-59388-5 | Date Sampled: 05/06/2014 1105
Client Matrix: Solid | % Moisture: 18.7 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-181469	Lab File ID:	F8428.D
Dilution:	1.0			Initial Weight/Volume:	5.19 g
Analysis Date:	05/12/2014 1701			Final Weight/Volume:	5 g
Prep Date:	05/12/2014 1026				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.43	5.9
1,1,2,2-Tetrachloroethane		ND		0.96	5.9
1,1,2-Trichloroethane		ND		0.77	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	5.9
1,1-Dichloroethane		ND		0.72	5.9
1,1-Dichloroethene		ND		0.73	5.9
1,2,4-Trichlorobenzene		ND		0.36	5.9
1,2-Dibromo-3-Chloropropane		ND		3.0	5.9
1,2-Dichlorobenzene		ND		0.46	5.9
1,2-Dichloroethane		ND		0.30	5.9
1,2-Dichloropropane		ND		3.0	5.9
1,3-Dichlorobenzene		ND		0.30	5.9
1,4-Dichlorobenzene		ND		0.83	5.9
2-Butanone (MEK)		ND		2.2	30
2-Hexanone		ND		3.0	30
4-Methyl-2-pentanone (MIBK)		ND		1.9	30
Acetone		ND		5.0	30
Benzene		ND		0.29	5.9
Bromodichloromethane		ND		0.79	5.9
Bromoform		ND		3.0	5.9
Bromomethane		ND		0.53	5.9
Carbon disulfide		ND		3.0	5.9
Carbon tetrachloride		ND		0.57	5.9
Chlorobenzene		ND		0.78	5.9
Dibromochloromethane		ND		0.76	5.9
Chloroethane		ND		1.3	5.9
Chloroform		ND		0.37	5.9
Chloromethane		ND		0.36	5.9
cis-1,2-Dichloroethene		ND		0.76	5.9
cis-1,3-Dichloropropene		ND		0.85	5.9
Cyclohexane		ND		0.83	5.9
Dichlorodifluoromethane		ND		0.49	5.9
Ethylbenzene		ND		0.41	5.9
1,2-Dibromoethane		ND		0.76	5.9
Isopropylbenzene		ND		0.89	5.9
Methyl acetate		ND		3.6	5.9
Methyl tert-butyl ether		ND		0.58	5.9
Methylcyclohexane		ND		0.90	5.9
Methylene Chloride		ND		2.7	5.9
Styrene		ND		0.30	5.9
Tetrachloroethene		1.5 JL	J	0.80	5.9
Toluene		ND		0.45	5.9
trans-1,2-Dichloroethene		ND		0.61	5.9
trans-1,3-Dichloropropene		ND		2.6	5.9
Trichloroethene		ND		1.3	5.9
Trichlorofluoromethane		ND		0.56	5.9

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-2 (SED)**

Lab Sample ID: 480-59388-5 | Date Sampled: 05/06/2014 1105
Client Matrix: Solid | % Moisture: 18.7 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-181469	Lab File ID:	F8428.D
Dilution:	1.0			Initial Weight/Volume:	5.19 g
Analysis Date:	05/12/2014 1701			Final Weight/Volume:	5 g
Prep Date:	05/12/2014 1026				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.72	5.9
Xylenes, Total		ND		1.0	12

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		71 - 125
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-2 (S)**

Lab Sample ID: 480-59388-6 | Date Sampled: 05/06/2014 0000
Client Matrix: Solid | % Moisture: 18.3 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8429.D
Dilution:	1.0			Initial Weight/Volume:	14.08 g
Analysis Date:	05/12/2014 1726			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.16	2.2
1,1,2,2-Tetrachloroethane		ND		0.35	2.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.50	2.2
1,1,2-Trichloroethane		ND		0.28	2.2
1,1-Dichloroethane		ND		0.27	2.2
1,1-Dichloroethene		ND		0.27	2.2
1,2,4-Trichlorobenzene		ND		0.13	2.2
1,2-Dibromo-3-Chloropropane		ND		1.1	2.2
1,2-Dibromoethane		ND		0.28	2.2
1,2-Dichlorobenzene		ND		0.17	2.2
1,2-Dichloroethane		ND		0.11	2.2
1,2-Dichloropropane		ND		1.1	2.2
1,3-Dichlorobenzene		ND		0.11	2.2
1,4-Dichlorobenzene		ND		0.30	2.2
2-Butanone (MEK)		ND		0.80	11
2-Hexanone		ND		1.1	11
4-Methyl-2-pentanone (MIBK)		ND		0.71	11
Acetone		ND		1.8	11
Benzene		ND		0.11	2.2
Bromodichloromethane		ND		0.29	2.2
Bromoform		ND		1.1	2.2
Bromomethane		ND		0.20	2.2
Carbon disulfide		ND		1.1	2.2
Carbon tetrachloride		ND		0.21	2.2
Chlorobenzene		ND		0.29	2.2
Chloroethane		ND		0.49	2.2
Chloroform		ND		0.13	2.2
Chloromethane		ND		0.13	2.2
cis-1,2-Dichloroethene		ND		0.28	2.2
cis-1,3-Dichloropropene		ND		0.31	2.2
Cyclohexane		ND		0.30	2.2
Dibromochloromethane		ND		0.28	2.2
Dichlorodifluoromethane		ND		0.18	2.2
Ethylbenzene		ND		0.15	2.2
Isopropylbenzene		ND		0.33	2.2
Methyl acetate		ND		1.3	2.2
Methyl tert-butyl ether		ND		0.21	2.2
Methylcyclohexane		ND		0.33	2.2
Methylene Chloride		ND		1.0	2.2
Styrene		ND		0.11	2.2
Tetrachloroethene		0.31	J	0.29	2.2
Toluene		ND		0.16	2.2
trans-1,2-Dichloroethene		ND		0.22	2.2
trans-1,3-Dichloropropene		ND		0.96	2.2
Trichloroethene		ND		0.48	2.2
Trichlorofluoromethane		ND		0.21	2.2

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-2 (S)**

Lab Sample ID: 480-59388-6 | Date Sampled: 05/06/2014 0000
Client Matrix: Solid | % Moisture: 18.3 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181434	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8429.D
Dilution:	1.0			Initial Weight/Volume:	14.08 g
Analysis Date:	05/12/2014 1726			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.27	2.2
Xylenes, Total		ND		0.37	4.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126
Toluene-d8 (Surr)	106		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-11B**

Lab Sample ID: 480-59388-7 | Date Sampled: 05/06/2014 1210
Client Matrix: Solid | % Moisture: 24.2 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8408.D
Dilution:	1.0			Initial Weight/Volume:	6.64 g
Analysis Date:	05/12/2014 0712			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.36	5.0
1,1,2,2-Tetrachloroethane		ND		0.81	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	5.0
1,1,2-Trichloroethane		ND		0.65	5.0
1,1-Dichloroethane		ND		0.61	5.0
1,1-Dichloroethene		ND		0.61	5.0
1,2,4-Trichlorobenzene		ND		0.30	5.0
1,2-Dibromo-3-Chloropropane		ND		2.5	5.0
1,2-Dibromoethane		ND		0.64	5.0
1,2-Dichlorobenzene		ND		0.39	5.0
1,2-Dichloroethane		ND		0.25	5.0
1,2-Dichloropropane		ND		2.5	5.0
1,3-Dichlorobenzene		ND		0.26	5.0
1,4-Dichlorobenzene		ND		0.69	5.0
2-Butanone (MEK)		ND		1.8	25
2-Hexanone		ND		2.5	25
4-Methyl-2-pentanone (MIBK)		ND		1.6	25
Acetone		ND		4.2	25
Benzene		ND		0.24	5.0
Bromodichloromethane		ND		0.67	5.0
Bromoform		ND		2.5	5.0
Bromomethane		ND		0.45	5.0
Carbon disulfide		ND		2.5	5.0
Carbon tetrachloride		ND		0.48	5.0
Chlorobenzene		ND		0.66	5.0
Chloroethane		ND		1.1	5.0
Chloroform		ND		0.31	5.0
Chloromethane		ND		0.30	5.0
cis-1,2-Dichloroethene		ND		0.64	5.0
cis-1,3-Dichloropropene		ND		0.71	5.0
Cyclohexane		ND		0.69	5.0
Dibromochloromethane		ND		0.64	5.0
Dichlorodifluoromethane		ND		0.41	5.0
Ethylbenzene		ND		0.34	5.0
Isopropylbenzene		ND		0.75	5.0
Methyl acetate		ND		3.0	5.0
Methyl tert-butyl ether		ND		0.49	5.0
Methylcyclohexane		ND		0.75	5.0
Methylene Chloride		ND		2.3	5.0
Styrene		ND		0.25	5.0
Tetrachloroethene		1.1	J	0.67	5.0
Toluene		ND		0.38	5.0
trans-1,2-Dichloroethene		ND		0.51	5.0
trans-1,3-Dichloropropene		ND		2.2	5.0
Trichloroethene		ND		1.1	5.0
Trichlorofluoromethane		ND		0.47	5.0

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-11B**

Lab Sample ID: 480-59388-7 | Date Sampled: 05/06/2014 1210
Client Matrix: Solid | % Moisture: 24.2 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8408.D
Dilution:	1.0			Initial Weight/Volume:	6.64 g
Analysis Date:	05/12/2014 0712			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.61	5.0
Xylenes, Total		ND		0.83	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-11A**

Lab Sample ID: 480-59388-8 | Date Sampled: 05/06/2014 1155
Client Matrix: Solid | % Moisture: 33.8 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8409.D
Dilution:	1.0			Initial Weight/Volume:	4.76 g
Analysis Date:	05/12/2014 0738			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.58	7.9
1,1,2,2-Tetrachloroethane		ND		1.3	7.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.8	7.9
1,1,2-Trichloroethane		ND		1.0	7.9
1,1-Dichloroethane		ND		0.97	7.9
1,1-Dichloroethene		ND		0.97	7.9
1,2,4-Trichlorobenzene		ND		0.48	7.9
1,2-Dibromo-3-Chloropropane		ND		4.0	7.9
1,2-Dibromoethane		ND		1.0	7.9
1,2-Dichlorobenzene		ND		0.62	7.9
1,2-Dichloroethane		ND		0.40	7.9
1,2-Dichloropropane		ND		4.0	7.9
1,3-Dichlorobenzene		ND		0.41	7.9
1,4-Dichlorobenzene		ND		1.1	7.9
2-Butanone (MEK)		ND		2.9	40
2-Hexanone		ND		4.0	40
4-Methyl-2-pentanone (MIBK)		ND		2.6	40
Acetone		ND		6.7	40
Benzene		ND		0.39	7.9
Bromodichloromethane		ND		1.1	7.9
Bromoform		ND		4.0	7.9
Bromomethane		ND		0.71	7.9
Carbon disulfide		ND		4.0	7.9
Carbon tetrachloride		ND		0.77	7.9
Chlorobenzene		ND		1.0	7.9
Chloroethane		ND		1.8	7.9
Chloroform		ND		0.49	7.9
Chloromethane		ND		0.48	7.9
cis-1,2-Dichloroethene		ND		1.0	7.9
cis-1,3-Dichloropropene		ND		1.1	7.9
Cyclohexane		ND		1.1	7.9
Dibromochloromethane		ND		1.0	7.9
Dichlorodifluoromethane		ND		0.66	7.9
Ethylbenzene		ND		0.55	7.9
Isopropylbenzene		ND		1.2	7.9
Methyl acetate		ND		4.8	7.9
Methyl tert-butyl ether		ND		0.78	7.9
Methylcyclohexane		ND		1.2	7.9
Methylene Chloride		ND		3.6	7.9
Styrene		ND		0.40	7.9
Tetrachloroethene		1.3	J	1.1	7.9
Toluene		ND		0.60	7.9
trans-1,2-Dichloroethene		ND		0.82	7.9
trans-1,3-Dichloropropene		ND		3.5	7.9
Trichloroethene		ND		1.7	7.9
Trichlorofluoromethane		ND		0.75	7.9

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-11A**

Lab Sample ID: 480-59388-8 | Date Sampled: 05/06/2014 1155
Client Matrix: Solid | % Moisture: 33.8 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8409.D
Dilution:	1.0			Initial Weight/Volume:	4.76 g
Analysis Date:	05/12/2014 0738			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.97	7.9
Xylenes, Total		ND		1.3	16

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	98		72 - 126
Toluene-d8 (Surr)	105		71 - 125

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5A**

Lab Sample ID: 480-59388-9
Client Matrix: Solid
% Moisture: 18.8

Date Sampled: 05/06/2014 1120
Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8410.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	05/12/2014 0804			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.45	6.2
1,1,2,2-Tetrachloroethane		ND		1.0	6.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	6.2
1,1,2-Trichloroethane		ND		0.80	6.2
1,1-Dichloroethane		ND		0.75	6.2
1,1-Dichloroethene		ND		0.75	6.2
1,2,4-Trichlorobenzene		ND		0.37	6.2
1,2-Dibromo-3-Chloropropane		ND		3.1	6.2
1,2-Dibromoethane		ND		0.79	6.2
1,2-Dichlorobenzene		ND	UJ	0.48	6.2
1,2-Dichloroethane		ND	UJ	0.31	6.2
1,2-Dichloropropane		ND		3.1	6.2
1,3-Dichlorobenzene		ND		0.32	6.2
1,4-Dichlorobenzene		ND		0.86	6.2
2-Butanone (MEK)		ND		2.3	31
2-Hexanone		ND		3.1	31
4-Methyl-2-pentanone (MIBK)		ND		2.0	31
Acetone		ND		5.2	31
Benzene		ND		0.30	6.2
Bromodichloromethane		ND		0.83	6.2
Bromoform		ND		3.1	6.2
Bromomethane		ND		0.55	6.2
Carbon disulfide		ND		3.1	6.2
Carbon tetrachloride		ND		0.60	6.2
Chlorobenzene		ND		0.81	6.2
Chloroethane		ND		1.4	6.2
Chloroform		ND		0.38	6.2
Chloromethane		ND		0.37	6.2
cis-1,2-Dichloroethene		ND	UJ	0.79	6.2
cis-1,3-Dichloropropene		ND		0.89	6.2
Cyclohexane		ND		0.86	6.2
Dibromochloromethane		ND		0.79	6.2
Dichlorodifluoromethane		ND		0.51	6.2
Ethylbenzene		ND	UJ	0.43	6.2
Isopropylbenzene		ND		0.93	6.2
Methyl acetate		ND		3.7	6.2
Methyl tert-butyl ether		ND		0.60	6.2
Methylcyclohexane		ND		0.94	6.2
Methylene Chloride		ND		2.8	6.2
Styrene		ND		0.31	6.2
Tetrachloroethene		ND	UJ	0.83	6.2
Toluene		ND		0.47	6.2
trans-1,2-Dichloroethene		ND	UJ	0.64	6.2
trans-1,3-Dichloropropene		ND		2.7	6.2
Trichloroethene		ND		1.4	6.2
Trichlorofluoromethane		ND		0.58	6.2

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-5A**

Lab Sample ID: 480-59388-9 | Date Sampled: 05/06/2014 1120
Client Matrix: Solid | % Moisture: 18.8 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8410.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	05/12/2014 0804			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.75	6.2
Xylenes, Total		ND		1.0	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		64 - 126
4-Bromofluorobenzene (Surr)	104		72 - 126
Toluene-d8 (Surr)	107		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-5B**

Lab Sample ID: 480-59388-10 | Date Sampled: 05/06/2014 1140
Client Matrix: Solid | % Moisture: 12.1 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8411.D
Dilution:	1.0			Initial Weight/Volume:	3.96 g
Analysis Date:	05/12/2014 0830			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.52	7.2
1,1,2,2-Tetrachloroethane		ND		1.2	7.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.6	7.2
1,1,2-Trichloroethane		ND		0.93	7.2
1,1-Dichloroethane		ND		0.88	7.2
1,1-Dichloroethene		ND		0.88	7.2
1,2,4-Trichlorobenzene		ND		0.44	7.2
1,2-Dibromo-3-Chloropropane		ND		3.6	7.2
1,2-Dibromoethane		ND		0.92	7.2
1,2-Dichlorobenzene		ND		0.56	7.2
1,2-Dichloroethane		ND		0.36	7.2
1,2-Dichloropropane		ND		3.6	7.2
1,3-Dichlorobenzene		ND		0.37	7.2
1,4-Dichlorobenzene		ND		1.0	7.2
2-Butanone (MEK)		ND		2.6	36
2-Hexanone		ND		3.6	36
4-Methyl-2-pentanone (MIBK)		ND		2.4	36
Acetone		ND		6.0	36
Benzene		ND		0.35	7.2
Bromodichloromethane		ND		0.96	7.2
Bromoform		ND		3.6	7.2
Bromomethane		ND		0.65	7.2
Carbon disulfide		ND		3.6	7.2
Carbon tetrachloride		ND		0.70	7.2
Chlorobenzene		ND		0.95	7.2
Chloroethane		ND		1.6	7.2
Chloroform		ND		0.44	7.2
Chloromethane		ND		0.43	7.2
cis-1,2-Dichloroethene		ND		0.92	7.2
cis-1,3-Dichloropropene		ND		1.0	7.2
Cyclohexane		ND		1.0	7.2
Dibromochloromethane		ND		0.92	7.2
Dichlorodifluoromethane		ND		0.59	7.2
Ethylbenzene		ND		0.50	7.2
Isopropylbenzene		ND		1.1	7.2
Methyl acetate		ND		4.3	7.2
Methyl tert-butyl ether		ND		0.71	7.2
Methylcyclohexane		ND		1.1	7.2
Methylene Chloride		ND		3.3	7.2
Styrene		ND		0.36	7.2
Tetrachloroethene		ND		0.96	7.2
Toluene		ND		0.54	7.2
trans-1,2-Dichloroethene		ND		0.74	7.2
trans-1,3-Dichloropropene		ND		3.2	7.2
Trichloroethene		ND		1.6	7.2
Trichlorofluoromethane		ND		0.68	7.2

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-5B**

Lab Sample ID: 480-59388-10 | Date Sampled: 05/06/2014 1140
Client Matrix: Solid | % Moisture: 12.1 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181374	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8411.D
Dilution:	1.0			Initial Weight/Volume:	3.96 g
Analysis Date:	05/12/2014 0830			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.88	7.2
Xylenes, Total		ND		1.2	14

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **TB050614-3**

Lab Sample ID: 480-59388-11
Client Matrix: Water

Date Sampled: 05/06/2014 0000
Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181084	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G30384.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/09/2014 1628			Final Weight/Volume:	5 mL
Prep Date:	05/09/2014 1628				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND	UJ	0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **TB050614-3**

Lab Sample ID: 480-59388-11
Client Matrix: Water

Date Sampled: 05/06/2014 0000
Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-181084	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G30384.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/09/2014 1628			Final Weight/Volume:	5 mL
Prep Date:	05/09/2014 1628				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	99		60 - 140
Toluene-d8 (Surr)	98		71 - 126

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-1 (SED)**

Lab Sample ID: 480-59388-12 | All target analytes should be qualified as estimated. | Date Sampled: 05/06/2014 1000

Client Matrix: Solid | % Moisture: 14.7 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-180748	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8328.D
Dilution:	1.0			Initial Weight/Volume:	10.32 g
Analysis Date:	05/08/2014 0825			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.21	2.8
1,1,2,2-Tetrachloroethane		ND		0.46	2.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.65	2.8
1,1,2-Trichloroethane		ND		0.37	2.8
1,1-Dichloroethane		ND		0.35	2.8
1,1-Dichloroethene		ND		0.35	2.8
1,2,4-Trichlorobenzene		ND		0.17	2.8
1,2-Dibromo-3-Chloropropane		ND		1.4	2.8
1,2-Dibromoethane		ND		0.36	2.8
1,2-Dichlorobenzene		ND	UJ	0.22	2.8
1,2-Dichloroethane		ND		0.14	2.8
1,2-Dichloropropane		ND		1.4	2.8
1,3-Dichlorobenzene		ND		0.15	2.8
1,4-Dichlorobenzene		ND		0.40	2.8
2-Butanone (MEK)		ND		1.0	14
2-Hexanone		ND		1.4	14
4-Methyl-2-pentanone (MIBK)		ND		0.93	14
Acetone		ND		2.4	14
Benzene		ND		0.14	2.8
Bromodichloromethane		ND		0.38	2.8
Bromoform		ND		1.4	2.8
Bromomethane		ND		0.26	2.8
Carbon disulfide		ND		1.4	2.8
Carbon tetrachloride		ND		0.27	2.8
Chlorobenzene		ND		0.37	2.8
Chloroethane		ND		0.64	2.8
Chloroform		ND		0.18	2.8
Chloromethane		ND		0.17	2.8
cis-1,2-Dichloroethene		ND		0.36	2.8
cis-1,3-Dichloropropene		ND		0.41	2.8
Cyclohexane		ND		0.40	2.8
Dibromochloromethane		ND		0.36	2.8
Dichlorodifluoromethane		ND		0.23	2.8
Ethylbenzene		ND	UJ	0.20	2.8
Isopropylbenzene		ND		0.43	2.8
Methyl acetate		ND		1.7	2.8
Methyl tert-butyl ether		ND		0.28	2.8
Methylcyclohexane		ND		0.43	2.8
Methylene Chloride		ND		1.3	2.8
Styrene		ND		0.14	2.8
Tetrachloroethene		ND	UJ	0.38	2.8
Toluene		ND		0.21	2.8
trans-1,2-Dichloroethene		ND		0.29	2.8
trans-1,3-Dichloropropene		ND		1.2	2.8
Trichloroethene		ND		0.62	2.8
Trichlorofluoromethane		ND		0.27	2.8

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-1 (SED)**

Lab Sample ID: 480-59388-12 | All target analytes should be qualified as estimated. | Date Sampled: 05/06/2014 1000

Client Matrix: Solid | % Moisture: 14.7 | Date Received: 05/07/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-180748	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-180764	Lab File ID:	F8328.D
Dilution:	1.0			Initial Weight/Volume:	10.32 g
Analysis Date:	05/08/2014 0825			Final Weight/Volume:	5 g
Prep Date:	05/07/2014 2302				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.35	2.8
Xylenes, Total		ND		0.48	5.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
4-Bromofluorobenzene (Surr)	103		72 - 126
Toluene-d8 (Surr)	106		71 - 125

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 2**

Lab Sample ID: 480-58808-1

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.3

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9993.D
Dilution:	1.0			Initial Weight/Volume:	+30.17 g
Analysis Date:	05/01/2014 1746			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		47	210
2,4,6-Trichlorophenol		ND		14	210
2,4-Dichlorophenol		ND		11	210
2,4-Dimethylphenol		ND		58	210
2,4-Dinitrophenol		ND		75	420
2,4-Dinitrotoluene		ND		33	210
2,6-Dinitrotoluene		ND		52	210
2-Chloronaphthalene		ND		14	210
2-Chlorophenol		ND		11	210
2-Methylnaphthalene		ND		2.6	210
2-Methylphenol		ND		6.6	210
2-Nitroaniline		ND		68	420
2-Nitrophenol		ND		9.8	210
3,3'-Dichlorobenzidine		ND		190	210
3-Nitroaniline		ND		49	420
4,6-Dinitro-2-methylphenol		ND		74	420
4-Bromophenyl phenyl ether		ND		68	210
4-Chloro-3-methylphenol		ND		8.8	210
4-Chloroaniline		ND		63	210
4-Chlorophenyl phenyl ether		ND		4.5	210
4-Methylphenol		ND		12	420
4-Nitroaniline		ND		24	420
4-Nitrophenol		ND		52	420
Acenaphthene		ND		2.5	210
Acenaphthylene		ND		1.7	210
Acetophenone		ND		11	210
Anthracene		ND		5.5	210
Atrazine		ND		9.5	210
Benzaldehyde		ND		23	210
Benzo[a]anthracene		ND		3.7	210
Benzo[a]pyrene		20	J	5.1	210
Benzo[b]fluoranthene		44	J	4.1	210
Benzo[g,h,i]perylene		ND		2.6	210
Benzo[k]fluoranthene		ND		2.3	210
Biphenyl		ND		13	210
bis (2-chloroisopropyl) ether		ND		22	210
Bis(2-chloroethoxy)methane		ND		12	210
Bis(2-chloroethyl)ether		ND		18	210
Bis(2-ethylhexyl) phthalate		ND		69	210
Butyl benzyl phthalate		ND		57	210
Caprolactam		ND		92	210
Carbazole		ND		2.5	210
Chrysene		39	J	2.1	210
Dibenz(a,h)anthracene		ND		2.5	210
Dibenzofuran		ND		2.2	210
Diethyl phthalate		ND		6.4	210

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 2**

Lab Sample ID: 480-58808-1

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.3

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9993.D
Dilution:	1.0			Initial Weight/Volume:	+30.17 g
Analysis Date:	05/01/2014 1746			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.6	210
Di-n-butyl phthalate		ND		74	210
Di-n-octyl phthalate		ND		5.0	210
Fluoranthene		44	J	3.1	210
Fluorene		ND		4.9	210
Hexachlorobenzene		ND		11	210
Hexachlorobutadiene		ND		11	210
Hexachlorocyclopentadiene		ND		65	210
Hexachloroethane		ND		17	210
Indeno[1,2,3-cd]pyrene		ND		5.9	210
Isophorone		ND		11	210
Naphthalene		ND		3.6	210
Nitrobenzene		ND		9.5	210
N-Nitrosodi-n-propylamine		ND		17	210
N-Nitrosodiphenylamine		ND		12	210
Pentachlorophenol		ND		73	420
Phenanthrene		25	J	4.5	210
Phenol		ND		22	210
Pyrene		46	J	1.4	210

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	96		39 - 146
2-Fluorobiphenyl	84		37 - 120
2-Fluorophenol	83		18 - 120
Nitrobenzene-d5	78		34 - 132
Phenol-d5	92		11 - 120
p-Terphenyl-d14	90		65 - 153

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP 4**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-2 | Date Sampled: 04/25/2014 0000

Client Matrix: Solid | % Moisture: 11.4 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9994.D
Dilution:	1.0			Initial Weight/Volume:	+30.71 g
Analysis Date:	05/01/2014 1810			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		41	190
2,4,6-Trichlorophenol		ND		12	190
2,4-Dichlorophenol		ND		9.8	190
2,4-Dimethylphenol		ND		50	190
2,4-Dinitrophenol		ND		65	360
2,4-Dinitrotoluene		ND		29	190
2,6-Dinitrotoluene		ND		46	190
2-Chloronaphthalene		ND		12	190
2-Chlorophenol		ND		9.5	190
2-Methylnaphthalene		ND		2.3	190
2-Methylphenol		ND		5.7	190
2-Nitroaniline		ND		60	360
2-Nitrophenol		ND		8.5	190
3,3'-Dichlorobenzidine		ND		160	190
3-Nitroaniline		ND		43	360
4,6-Dinitro-2-methylphenol		ND		64	360
4-Bromophenyl phenyl ether		ND		59	190
4-Chloro-3-methylphenol		ND		7.7	190
4-Chloroaniline		ND		55	190
4-Chlorophenyl phenyl ether		ND		4.0	190
4-Methylphenol		ND		10	360
4-Nitroaniline		ND		21	360
4-Nitrophenol		ND		45	360
Acenaphthene		ND		2.2	190
Acenaphthylene		ND		1.5	190
Acetophenone		ND		9.5	190
Anthracene		ND		4.8	190
Atrazine		ND		8.3	190
Benzaldehyde		ND		20	190
Benzo[a]anthracene		23	J	3.2	190
Benzo[a]pyrene		ND		4.5	190
Benzo[b]fluoranthene		31	J	3.6	190
Benzo[g,h,i]perylene		ND		2.2	190
Benzo[k]fluoranthene		ND		2.0	190
Biphenyl		ND		12	190
bis (2-chloroisopropyl) ether		ND		19	190
Bis(2-chloroethoxy)methane		ND		10	190
Bis(2-chloroethyl)ether		ND		16	190
Bis(2-ethylhexyl) phthalate		ND		60	190
Butyl benzyl phthalate		ND		50	190
Caprolactam		ND		80	190
Carbazole		ND		2.2	190
Chrysene		14	J	1.9	190
Dibenz(a,h)anthracene		ND		2.2	190
Dibenzofuran		ND		1.9	190
Diethyl phthalate		ND		5.6	190

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP 4**

Lab Sample ID: 480-58808-2 | All target analytes should be qualified as estimated. | Date Sampled: 04/25/2014 0000

Client Matrix: Solid | % Moisture: 11.4 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9994.D
Dilution:	1.0			Initial Weight/Volume:	+30.71 g
Analysis Date:	05/01/2014 1810			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		4.9	190
Di-n-butyl phthalate		ND		64	190
Di-n-octyl phthalate		ND		4.4	190
Fluoranthene		39	J	2.7	190
Fluorene		ND		4.3	190
Hexachlorobenzene		ND		9.2	190
Hexachlorobutadiene		ND		9.5	190
Hexachlorocyclopentadiene		ND		56	190
Hexachloroethane		ND		14	190
Indeno[1,2,3-cd]pyrene		ND		5.1	190
Isophorone		ND		9.3	190
Naphthalene		ND		3.1	190
Nitrobenzene		ND		8.2	190
N-Nitrosodi-n-propylamine		ND		15	190
N-Nitrosodiphenylamine		ND		10	190
Pentachlorophenol		ND		64	360
Phenanthrene		32	J	3.9	190
Phenol		ND		20	190
Pyrene		37	J	1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	100		39 - 146
2-Fluorobiphenyl	87		37 - 120
2-Fluorophenol	73		18 - 120
Nitrobenzene-d5	78		34 - 132
Phenol-d5	85		11 - 120
p-Terphenyl-d14	97		65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 5**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-3

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 04/25/2014 1105

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9995.D
Dilution:	1.0			Initial Weight/Volume:	+30.56 g
Analysis Date:	05/01/2014 1835			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		43	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		10	200
2,4-Dimethylphenol		ND		53	200
2,4-Dinitrophenol		ND		68	380
2,4-Dinitrotoluene		ND		30	200
2,6-Dinitrotoluene		ND		48	200
2-Chloronaphthalene		ND		13	200
2-Chlorophenol		ND		9.9	200
2-Methylnaphthalene		ND		2.4	200
2-Methylphenol		ND		6.0	200
2-Nitroaniline		ND		63	380
2-Nitrophenol		ND		8.9	200
3,3'-Dichlorobenzidine		ND		170	200
3-Nitroaniline		ND		45	380
4,6-Dinitro-2-methylphenol		ND		67	380
4-Bromophenyl phenyl ether		ND		62	200
4-Chloro-3-methylphenol		ND		8.0	200
4-Chloroaniline		ND		57	200
4-Chlorophenyl phenyl ether		ND		4.2	200
4-Methylphenol		ND		11	380
4-Nitroaniline		ND		22	380
4-Nitrophenol		ND		47	380
Acenaphthene		ND		2.3	200
Acenaphthylene		ND		1.6	200
Acetophenone		ND		10	200
Anthracene		ND		5.0	200
Atrazine		ND		8.7	200
Benzaldehyde		ND		21	200
Benzo[a]anthracene		21	J	3.4	200
Benzo[a]pyrene		15	J	4.7	200
Benzo[b]fluoranthene		28	J	3.8	200
Benzo[g,h,i]perylene		ND		2.3	200
Benzo[k]fluoranthene		12	J	2.1	200
Biphenyl		ND		12	200
bis (2-chloroisopropyl) ether		ND		20	200
Bis(2-chloroethoxy)methane		ND		11	200
Bis(2-chloroethyl)ether		ND		17	200
Bis(2-ethylhexyl) phthalate		ND		63	200
Butyl benzyl phthalate		ND		52	200
Caprolactam		ND		84	200
Carbazole		ND		2.3	200
Chrysene		ND		1.9	200
Dibenz(a,h)anthracene		ND		2.3	200
Dibenzofuran		ND		2.0	200
Diethyl phthalate		ND		5.9	200

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 5**

Lab Sample ID: 480-58808-3

All target analytes should be qualified as estimated.

Date Sampled: 04/25/2014 1105

Client Matrix: Solid

% Moisture: 15.0

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9995.D
Dilution:	1.0			Initial Weight/Volume:	+30.56 g
Analysis Date:	05/01/2014 1835			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.1	200
Di-n-butyl phthalate		ND		67	200
Di-n-octyl phthalate		ND		4.6	200
Fluoranthene		20	J	2.8	200
Fluorene		ND		4.5	200
Hexachlorobenzene		ND		9.7	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		59	200
Hexachloroethane		ND		15	200
Indeno[1,2,3-cd]pyrene		ND		5.4	200
Isophorone		ND		9.7	200
Naphthalene		ND		3.2	200
Nitrobenzene		ND		8.6	200
N-Nitrosodi-n-propylamine		ND		15	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		67	380
Phenanthrene		18	J	4.1	200
Phenol		ND		21	200
Pyrene		25	J	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	103		39 - 146
2-Fluorobiphenyl	91		37 - 120
2-Fluorophenol	77		18 - 120
Nitrobenzene-d5	82		34 - 132
Phenol-d5	85		11 - 120
p-Terphenyl-d14	97		65 - 153

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-1(S)**

Lab Sample ID: 480-58808-4 | All target analytes should be qualified as estimated. | Date Sampled: 04/25/2014 1250

Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9996.D
Dilution:	1.0			Initial Weight/Volume:	+30.77 g
Analysis Date:	05/01/2014 1859			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		42	190
2,4,6-Trichlorophenol		ND		13	190
2,4-Dichlorophenol		ND		10	190
2,4-Dimethylphenol		ND		52	190
2,4-Dinitrophenol		ND		67	370
2,4-Dinitrotoluene		ND		30	190
2,6-Dinitrotoluene		ND		47	190
2-Chloronaphthalene		ND		13	190
2-Chlorophenol		ND		9.7	190
2-Methylnaphthalene		ND		2.3	190
2-Methylphenol		ND		5.9	190
2-Nitroaniline		ND		61	370
2-Nitrophenol		ND		8.7	190
3,3'-Dichlorobenzidine		ND		170	190
3-Nitroaniline		ND		44	370
4,6-Dinitro-2-methylphenol		ND		66	370
4-Bromophenyl phenyl ether		ND		61	190
4-Chloro-3-methylphenol		ND		7.9	190
4-Chloroaniline		ND		56	190
4-Chlorophenyl phenyl ether		ND		4.1	190
4-Methylphenol		ND		11	370
4-Nitroaniline		ND		21	370
4-Nitrophenol		ND		46	370
Acenaphthene		ND		2.2	190
Acenaphthylene		ND		1.6	190
Acetophenone		ND		9.8	190
Anthracene		ND		4.9	190
Atrazine		ND		8.5	190
Benzaldehyde		ND		21	190
Benzo[a]anthracene		ND		3.3	190
Benzo[a]pyrene		ND		4.6	190
Benzo[b]fluoranthene		ND		3.7	190
Benzo[g,h,i]perylene		ND		2.3	190
Benzo[k]fluoranthene		ND		2.1	190
Biphenyl		ND		12	190
bis (2-chloroisopropyl) ether		ND		20	190
Bis(2-chloroethoxy)methane		ND		10	190
Bis(2-chloroethyl)ether		ND		16	190
Bis(2-ethylhexyl) phthalate		ND		62	190
Butyl benzyl phthalate		ND		51	190
Caprolactam		ND		83	190
Carbazole		ND		2.2	190
Chrysene		ND		1.9	190
Dibenz(a,h)anthracene		ND		2.2	190
Dibenzofuran		ND		2.0	190
Diethyl phthalate		ND		5.8	190

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(S)**

Lab Sample ID: 480-58808-4

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 13.8

Date Sampled: 04/25/2014 1250

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9996.D
Dilution:	1.0			Initial Weight/Volume:	+30.77 g
Analysis Date:	05/01/2014 1859			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.0	190
Di-n-butyl phthalate		ND		66	190
Di-n-octyl phthalate		ND		4.5	190
Fluoranthene		ND		2.8	190
Fluorene		ND		4.4	190
Hexachlorobenzene		ND		9.5	190
Hexachlorobutadiene		ND		9.8	190
Hexachlorocyclopentadiene		ND		58	190
Hexachloroethane		ND		15	190
Indeno[1,2,3-cd]pyrene		ND		5.3	190
Isophorone		ND		9.5	190
Naphthalene		ND		3.2	190
Nitrobenzene		ND		8.5	190
N-Nitrosodi-n-propylamine		ND		15	190
N-Nitrosodiphenylamine		ND		10	190
Pentachlorophenol		ND		65	370
Phenanthrene		ND		4.0	190
Phenol		ND		20	190
Pyrene		ND		1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	96		39 - 146
2-Fluorobiphenyl	91		37 - 120
2-Fluorophenol	85		18 - 120
Nitrobenzene-d5	79		34 - 132
Phenol-d5	93		11 - 120
p-Terphenyl-d14	102		65 - 153

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-1(Sed)**

Lab Sample ID: 480-58808-5 | All target analytes should be qualified as estimated. | Date Sampled: 04/25/2014 1100

Client Matrix: Solid | % Moisture: 12.8 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9997.D
Dilution:	1.0			Initial Weight/Volume:	+30.23 g
Analysis Date:	05/01/2014 1923			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		42	190
2,4,6-Trichlorophenol		ND		13	190
2,4-Dichlorophenol		ND		10	190
2,4-Dimethylphenol		ND		52	190
2,4-Dinitrophenol		ND		67	380
2,4-Dinitrotoluene		ND		30	190
2,6-Dinitrotoluene		ND		47	190
2-Chloronaphthalene		ND		13	190
2-Chlorophenol		ND		9.8	190
2-Methylnaphthalene		ND		2.3	190
2-Methylphenol		ND		5.9	190
2-Nitroaniline		ND		62	380
2-Nitrophenol		ND		8.8	190
3,3'-Dichlorobenzidine		ND		170	190
3-Nitroaniline		ND		44	380
4,6-Dinitro-2-methylphenol		ND		66	380
4-Bromophenyl phenyl ether		ND		61	190
4-Chloro-3-methylphenol		ND		7.9	190
4-Chloroaniline		ND		56	190
4-Chlorophenyl phenyl ether		ND		4.1	190
4-Methylphenol		ND		11	380
4-Nitroaniline		ND		21	380
4-Nitrophenol		ND		47	380
Acenaphthene		ND		2.3	190
Acenaphthylene		ND		1.6	190
Acetophenone		ND		9.9	190
Anthracene		ND		4.9	190
Atrazine		ND		8.5	190
Benzaldehyde		ND		21	190
Benzo[a]anthracene		11	J	3.3	190
Benzo[a]pyrene		ND		4.6	190
Benzo[b]fluoranthene		24	J	3.7	190
Benzo[g,h,i]perylene		ND		2.3	190
Benzo[k]fluoranthene		12	J	2.1	190
Biphenyl		ND		12	190
bis (2-chloroisopropyl) ether		ND		20	190
Bis(2-chloroethoxy)methane		ND		10	190
Bis(2-chloroethyl)ether		ND		17	190
Bis(2-ethylhexyl) phthalate		ND		62	190
Butyl benzyl phthalate		ND		52	190
Caprolactam		ND		83	190
Carbazole		ND		2.2	190
Chrysene		ND		1.9	190
Dibenz(a,h)anthracene		ND		2.3	190
Dibenzofuran		ND		2.0	190
Diethyl phthalate		ND		5.8	190

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-1(Sed)**

Lab Sample ID: 480-58808-5 | All target analytes should be qualified as estimated. | Date Sampled: 04/25/2014 1100

Client Matrix: Solid | % Moisture: 12.8 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9997.D
Dilution:	1.0			Initial Weight/Volume:	+30.23 g
Analysis Date:	05/01/2014 1923			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.0	190
Di-n-butyl phthalate		ND		66	190
Di-n-octyl phthalate		ND		4.5	190
Fluoranthene		21	J	2.8	190
Fluorene		ND		4.4	190
Hexachlorobenzene		ND		9.5	190
Hexachlorobutadiene		ND		9.8	190
Hexachlorocyclopentadiene		ND		58	190
Hexachloroethane		ND		15	190
Indeno[1,2,3-cd]pyrene		ND		5.3	190
Isophorone		ND		9.6	190
Naphthalene		ND		3.2	190
Nitrobenzene		ND		8.5	190
N-Nitrosodi-n-propylamine		ND		15	190
N-Nitrosodiphenylamine		ND		11	190
Pentachlorophenol		ND		66	380
Phenanthrene		23	J	4.0	190
Phenol		ND		20	190
Pyrene		ND		1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	103		39 - 146
2-Fluorobiphenyl	91		37 - 120
2-Fluorophenol	79		18 - 120
Nitrobenzene-d5	80		34 - 132
Phenol-d5	87		11 - 120
p-Terphenyl-d14	95		65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(S)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-6

Client Matrix: Solid

% Moisture: 13.3

Date Sampled: 04/25/2014 1355

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9998.D
Dilution:	1.0			Initial Weight/Volume:	+30.60 g
Analysis Date:	05/01/2014 1948			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		42	190
2,4,6-Trichlorophenol		ND		13	190
2,4-Dichlorophenol		ND		10	190
2,4-Dimethylphenol		ND		52	190
2,4-Dinitrophenol		ND		67	370
2,4-Dinitrotoluene		ND		30	190
2,6-Dinitrotoluene		ND		47	190
2-Chloronaphthalene		ND		13	190
2-Chlorophenol		ND		9.7	190
2-Methylnaphthalene		ND		2.3	190
2-Methylphenol		ND		5.9	190
2-Nitroaniline		ND		61	370
2-Nitrophenol		ND		8.7	190
3,3'-Dichlorobenzidine		ND		170	190
3-Nitroaniline		ND		44	370
4,6-Dinitro-2-methylphenol		ND		66	370
4-Bromophenyl phenyl ether		ND		61	190
4-Chloro-3-methylphenol		ND		7.9	190
4-Chloroaniline		ND		56	190
4-Chlorophenyl phenyl ether		ND		4.1	190
4-Methylphenol		ND		11	370
4-Nitroaniline		ND		21	370
4-Nitrophenol		ND		46	370
Acenaphthene		ND		2.2	190
Acenaphthylene		ND		1.6	190
Acetophenone		ND		9.8	190
Anthracene		ND		4.9	190
Atrazine		ND		8.5	190
Benzaldehyde		ND		21	190
Benzo[a]anthracene		8.6	J	3.3	190
Benzo[a]pyrene		ND		4.6	190
Benzo[b]fluoranthene		ND		3.7	190
Benzo[g,h,i]perylene		ND		2.3	190
Benzo[k]fluoranthene		ND		2.1	190
Biphenyl		ND		12	190
bis (2-chloroisopropyl) ether		ND		20	190
Bis(2-chloroethoxy)methane		ND		10	190
Bis(2-chloroethyl)ether		ND		16	190
Bis(2-ethylhexyl) phthalate		ND		62	190
Butyl benzyl phthalate		ND		51	190
Caprolactam		ND		83	190
Carbazole		ND		2.2	190
Chrysene		ND		1.9	190
Dibenz(a,h)anthracene		ND		2.2	190
Dibenzofuran		ND		2.0	190
Diethyl phthalate		ND		5.8	190

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-2(S)**

Lab Sample ID: 480-58808-6 | All target analytes should be qualified as estimated. | Date Sampled: 04/25/2014 1355

Client Matrix: Solid | % Moisture: 13.3 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9998.D
Dilution:	1.0			Initial Weight/Volume:	+30.60 g
Analysis Date:	05/01/2014 1948			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.0	190
Di-n-butyl phthalate		ND		66	190
Di-n-octyl phthalate		ND		4.5	190
Fluoranthene		ND		2.8	190
Fluorene		ND		4.4	190
Hexachlorobenzene		ND		9.5	190
Hexachlorobutadiene		ND		9.8	190
Hexachlorocyclopentadiene		ND		58	190
Hexachloroethane		ND		15	190
Indeno[1,2,3-cd]pyrene		ND		5.3	190
Isophorone		ND		9.5	190
Naphthalene		ND		3.2	190
Nitrobenzene		ND		8.5	190
N-Nitrosodi-n-propylamine		ND		15	190
N-Nitrosodiphenylamine		ND		10	190
Pentachlorophenol		ND		65	370
Phenanthrene		ND		4.0	190
Phenol		ND		20	190
Pyrene		ND		1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	106		39 - 146
2-Fluorobiphenyl	92		37 - 120
2-Fluorophenol	80		18 - 120
Nitrobenzene-d5	81		34 - 132
Phenol-d5	88		11 - 120
p-Terphenyl-d14	99		65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-7

Client Matrix: Solid

% Moisture: 16.2

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9999.D
Dilution:	1.0			Initial Weight/Volume:	+30.06 g
Analysis Date:	05/01/2014 2012			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		44	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		11	200
2,4-Dimethylphenol		ND		54	200
2,4-Dinitrophenol		ND		70	390
2,4-Dinitrotoluene		ND		31	200
2,6-Dinitrotoluene		ND		49	200
2-Chloronaphthalene		ND		13	200
2-Chlorophenol		ND		10	200
2-Methylnaphthalene		ND		2.4	200
2-Methylphenol		ND		6.2	200
2-Nitroaniline		ND		65	390
2-Nitrophenol		ND		9.2	200
3,3'-Dichlorobenzidine		ND		180	200
3-Nitroaniline		ND		46	390
4,6-Dinitro-2-methylphenol		ND		69	390
4-Bromophenyl phenyl ether		ND		64	200
4-Chloro-3-methylphenol		ND		8.3	200
4-Chloroaniline		ND		59	200
4-Chlorophenyl phenyl ether		ND		4.3	200
4-Methylphenol		ND		11	390
4-Nitroaniline		ND		22	390
4-Nitrophenol		ND		49	390
Acenaphthene		ND		2.4	200
Acenaphthylene		ND		1.6	200
Acetophenone		ND		10	200
Anthracene		ND		5.1	200
Atrazine		ND		8.9	200
Benzaldehyde		ND		22	200
Benzo[a]anthracene		49	J	3.5	200
Benzo[a]pyrene		43	J	4.8	200
Benzo[b]fluoranthene		69	J	3.9	200
Benzo[g,h,i]perylene		ND		2.4	200
Benzo[k]fluoranthene		39	J	2.2	200
Biphenyl		ND		13	200
bis (2-chloroisopropyl) ether		ND		21	200
Bis(2-chloroethoxy)methane		ND		11	200
Bis(2-chloroethyl)ether		ND		17	200
Bis(2-ethylhexyl) phthalate		ND		65	200
Butyl benzyl phthalate		ND		54	200
Caprolactam		ND		87	200
Carbazole		ND		2.3	200
Chrysene		50	J	2.0	200
Dibenz(a,h)anthracene		ND		2.4	200
Dibenzofuran		ND		2.1	200
Diethyl phthalate		ND		6.1	200

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-2(Sed)**

Lab Sample ID: 480-58808-7 | All target analytes should be qualified as estimated. | Date Sampled: 04/25/2014 1300
Client Matrix: Solid | % Moisture: 16.2 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V9999.D
Dilution:	1.0			Initial Weight/Volume:	+30.06 g
Analysis Date:	05/01/2014 2012			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.2	200
Di-n-butyl phthalate		ND		70	200
Di-n-octyl phthalate		ND		4.7	200
Fluoranthene		58	J	2.9	200
Fluorene		ND		4.6	200
Hexachlorobenzene		ND		10	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		61	200
Hexachloroethane		ND		16	200
Indeno[1,2,3-cd]pyrene		ND		5.6	200
Isophorone		ND		10	200
Naphthalene		ND		3.3	200
Nitrobenzene		ND		8.9	200
N-Nitrosodi-n-propylamine		ND		16	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		69	390
Phenanthrene		33	J	4.2	200
Phenol		ND		21	200
Pyrene		62	J	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	104		39 - 146
2-Fluorobiphenyl	91		37 - 120
2-Fluorophenol	79		18 - 120
Nitrobenzene-d5	84		34 - 132
Phenol-d5	87		11 - 120
p-Terphenyl-d14	97		65 - 153

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-11A**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-8 | Date Sampled: 04/25/2014 1400

Client Matrix: Solid | % Moisture: 10.0 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V0000.D
Dilution:	1.0			Initial Weight/Volume:	+30.21 g
Analysis Date:	05/01/2014 2036			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		41	190
2,4,6-Trichlorophenol		ND		12	190
2,4-Dichlorophenol		ND		9.8	190
2,4-Dimethylphenol		ND		50	190
2,4-Dinitrophenol		ND		65	360
2,4-Dinitrotoluene		ND		29	190
2,6-Dinitrotoluene		ND		46	190
2-Chloronaphthalene		ND		13	190
2-Chlorophenol		ND		9.5	190
2-Methylnaphthalene		ND		2.3	190
2-Methylphenol		ND		5.7	190
2-Nitroaniline		ND		60	360
2-Nitrophenol		ND		8.5	190
3,3'-Dichlorobenzidine		ND		160	190
3-Nitroaniline		ND		43	360
4,6-Dinitro-2-methylphenol		ND		64	360
4-Bromophenyl phenyl ether		ND		59	190
4-Chloro-3-methylphenol		ND		7.7	190
4-Chloroaniline		ND		55	190
4-Chlorophenyl phenyl ether		ND		4.0	190
4-Methylphenol		ND		10	360
4-Nitroaniline		ND		21	360
4-Nitrophenol		ND		45	360
Acenaphthene		ND		2.2	190
Acenaphthylene		ND		1.5	190
Acetophenone		ND		9.6	190
Anthracene		ND		4.8	190
Atrazine		ND		8.3	190
Benzaldehyde		ND		20	190
Benzo[a]anthracene		42	J	3.2	190
Benzo[a]pyrene		38	J	4.5	190
Benzo[b]fluoranthene		73	J	3.6	190
Benzo[g,h,i]perylene		ND		2.2	190
Benzo[k]fluoranthene		23	J	2.1	190
Biphenyl		ND		12	190
bis (2-chloroisopropyl) ether		ND		19	190
Bis(2-chloroethoxy)methane		ND		10	190
Bis(2-chloroethyl)ether		ND		16	190
Bis(2-ethylhexyl) phthalate		ND		60	190
Butyl benzyl phthalate		ND		50	190
Caprolactam		ND		81	190
Carbazole		ND		2.2	190
Chrysene		51	J	1.9	190
Dibenz(a,h)anthracene		ND		2.2	190
Dibenzofuran		ND		1.9	190
Diethyl phthalate		ND		5.6	190

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11A**

Lab Sample ID: 480-58808-8

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 10.0

Date Sampled: 04/25/2014 1400

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179406	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V0000.D
Dilution:	1.0			Initial Weight/Volume:	+30.21 g
Analysis Date:	05/01/2014 2036			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		4.9	190
Di-n-butyl phthalate		ND		64	190
Di-n-octyl phthalate		ND		4.4	190
Fluoranthene		70	J	2.7	190
Fluorene		ND		4.3	190
Hexachlorobenzene		ND		9.3	190
Hexachlorobutadiene		ND		9.5	190
Hexachlorocyclopentadiene		ND		56	190
Hexachloroethane		ND		14	190
Indeno[1,2,3-cd]pyrene		10	J	5.2	190
Isophorone		ND		9.3	190
Naphthalene		ND		3.1	190
Nitrobenzene		ND		8.3	190
N-Nitrosodi-n-propylamine		ND		15	190
N-Nitrosodiphenylamine		ND		10	190
Pentachlorophenol		ND		64	360
Phenanthrene		46	J	3.9	190
Phenol		ND		20	190
Pyrene		68	J	1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	109		39 - 146
2-Fluorobiphenyl	93		37 - 120
2-Fluorophenol	90		18 - 120
Nitrobenzene-d5	86		34 - 132
Phenol-d5	98		11 - 120
p-Terphenyl-d14	92		65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11B**

Lab Sample ID: 480-58808-9

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 27.6

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179561	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V0011.D
Dilution:	1.0			Initial Weight/Volume:	+30.64 g
Analysis Date:	05/02/2014 0353			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		50	230
2,4,6-Trichlorophenol		ND		15	230
2,4-Dichlorophenol		ND		12	230
2,4-Dimethylphenol		ND		62	230
2,4-Dinitrophenol		ND		80	450
2,4-Dinitrotoluene		ND		35	230
2,6-Dinitrotoluene		ND		56	230
2-Chloronaphthalene		ND		15	230
2-Chlorophenol		ND		12	230
2-Methylnaphthalene		ND		2.8	230
2-Methylphenol		ND		7.0	230
2-Nitroaniline		ND		73	450
2-Nitrophenol		ND		10	230
3,3'-Dichlorobenzidine		ND		200	230
3-Nitroaniline		ND		52	450
4,6-Dinitro-2-methylphenol		ND		79	450
4-Bromophenyl phenyl ether		ND		73	230
4-Chloro-3-methylphenol		ND		9.4	230
4-Chloroaniline		ND		67	230
4-Chlorophenyl phenyl ether		ND		4.9	230
4-Methylphenol		ND		13	450
4-Nitroaniline		ND		25	450
4-Nitrophenol		ND		55	450
Acenaphthene		ND		2.7	230
Acenaphthylene		ND		1.9	230
Acetophenone		ND		12	230
Anthracene		ND		5.8	230
Atrazine		ND		10	230
Benzaldehyde		ND		25	230
Benzo[a]anthracene		ND		3.9	230
Benzo[a]pyrene		ND		5.5	230
Benzo[b]fluoranthene		ND		4.4	230
Benzo[g,h,i]perylene		ND		2.7	230
Benzo[k]fluoranthene		ND		2.5	230
Biphenyl		ND		14	230
bis (2-chloroisopropyl) ether		ND		24	230
Bis(2-chloroethoxy)methane		ND		12	230
Bis(2-chloroethyl)ether		ND		20	230
Bis(2-ethylhexyl) phthalate		ND		74	230
Butyl benzyl phthalate		ND		61	230
Caprolactam		ND		99	230
Carbazole		ND		2.6	230
Chrysene		ND		2.3	230
Dibenz(a,h)anthracene		ND		2.7	230
Dibenzofuran		ND		2.4	230
Diethyl phthalate		ND		6.9	230

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-11B**

Lab Sample ID: 480-58808-9 | All target analytes should be qualified as estimated. | Date Sampled: 04/25/2014 1300

Client Matrix: Solid | % Moisture: 27.6 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179561	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V0011.D
Dilution:	1.0			Initial Weight/Volume:	+30.64 g
Analysis Date:	05/02/2014 0353			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		6.0	230
Di-n-butyl phthalate		ND		79	230
Di-n-octyl phthalate		ND		5.3	230
Fluoranthene		ND		3.3	230
Fluorene		ND		5.3	230
Hexachlorobenzene		ND		11	230
Hexachlorobutadiene		ND		12	230
Hexachlorocyclopentadiene		ND		69	230
Hexachloroethane		ND		18	230
Indeno[1,2,3-cd]pyrene		ND		6.3	230
Isophorone		ND		11	230
Naphthalene		ND		3.8	230
Nitrobenzene		ND		10	230
N-Nitrosodi-n-propylamine		ND		18	230
N-Nitrosodiphenylamine		ND		12	230
Pentachlorophenol		ND		78	450
Phenanthrene		ND		4.8	230
Phenol		ND		24	230
Pyrene		ND		1.5	230

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	108		39 - 146
2-Fluorobiphenyl	96		37 - 120
2-Fluorophenol	93		18 - 120
Nitrobenzene-d5	90		34 - 132
Phenol-d5	93		11 - 120
p-Terphenyl-d14	116		65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5A**

Lab Sample ID: 480-58808-10

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.4

Date Sampled: 04/25/2014 1050

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179561	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V0012.D
Dilution:	1.0			Initial Weight/Volume:	+30.44 g
Analysis Date:	05/02/2014 0418			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		46	210
2,4,6-Trichlorophenol		ND		14	210
2,4-Dichlorophenol		ND		11	210
2,4-Dimethylphenol		ND		57	210
2,4-Dinitrophenol		ND		74	410
2,4-Dinitrotoluene		ND		33	210
2,6-Dinitrotoluene		ND		52	210
2-Chloronaphthalene		ND		14	210
2-Chlorophenol		ND		11	210
2-Methylnaphthalene		ND		2.6	210
2-Methylphenol		ND		6.5	210
2-Nitroaniline		ND		68	410
2-Nitrophenol		ND		9.7	210
3,3'-Dichlorobenzidine		ND		190	210
3-Nitroaniline		ND		49	410
4,6-Dinitro-2-methylphenol		ND		73	410
4-Bromophenyl phenyl ether		ND		67	210
4-Chloro-3-methylphenol		ND		8.7	210
4-Chloroaniline		ND		62	210
4-Chlorophenyl phenyl ether		ND		4.5	210
4-Methylphenol		ND		12	410
4-Nitroaniline		ND		24	410
4-Nitrophenol		ND		51	410
Acenaphthene		ND		2.5	210
Acenaphthylene		ND		1.7	210
Acetophenone		ND		11	210
Anthracene		ND		5.4	210
Atrazine		ND		9.4	210
Benzaldehyde		220		23	210
Benzo[a]anthracene		27	J	3.7	210
Benzo[a]pyrene		30	J	5.1	210
Benzo[b]fluoranthene		51	J	4.1	210
Benzo[g,h,i]perylene		ND		2.5	210
Benzo[k]fluoranthene		ND		2.3	210
Biphenyl		ND		13	210
bis (2-chloroisopropyl) ether		ND		22	210
Bis(2-chloroethoxy)methane		ND		12	210
Bis(2-chloroethyl)ether		ND		18	210
Bis(2-ethylhexyl) phthalate		ND		68	210
Butyl benzyl phthalate		ND		57	210
Caprolactam		200	J	92	210
Carbazole		ND		2.4	210
Chrysene		40	J	2.1	210
Dibenz(a,h)anthracene		ND		2.5	210
Dibenzofuran		ND		2.2	210
Diethyl phthalate		ND		6.4	210

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5A**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-10

Client Matrix: Solid

% Moisture: 21.4

Date Sampled: 04/25/2014 1050

Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179561	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V0012.D
Dilution:	1.0			Initial Weight/Volume:	+30.44 g
Analysis Date:	05/02/2014 0418			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.5	210
Di-n-butyl phthalate		ND		73	210
Di-n-octyl phthalate		ND		5.0	210
Fluoranthene		46	J	3.1	210
Fluorene		ND		4.9	210
Hexachlorobenzene		ND		11	210
Hexachlorobutadiene		ND		11	210
Hexachlorocyclopentadiene		ND		64	210
Hexachloroethane		ND		16	210
Indeno[1,2,3-cd]pyrene		20	J	5.9	210
Isophorone		ND		11	210
Naphthalene		ND		3.5	210
Nitrobenzene		ND		9.4	210
N-Nitrosodi-n-propylamine		ND		17	210
N-Nitrosodiphenylamine		ND		12	210
Pentachlorophenol		ND		73	410
Phenanthrene		21	J	4.4	210
Phenol		ND		22	210
Pyrene		46	J	1.4	210

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	105		39 - 146
2-Fluorobiphenyl	104		37 - 120
2-Fluorophenol	86		18 - 120
Nitrobenzene-d5	91		34 - 132
Phenol-d5	99		11 - 120
p-Terphenyl-d14	116		65 - 153

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-5B**

Lab Sample ID: 480-58808-11 | All target analytes should be qualified as estimated. | Date Sampled: 04/25/2014 0935

Client Matrix: Solid | % Moisture: 14.1 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179561	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V0013.D
Dilution:	1.0			Initial Weight/Volume:	+30.75 g
Analysis Date:	05/02/2014 0443			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		42	190
2,4,6-Trichlorophenol		ND		13	190
2,4-Dichlorophenol		ND		10	190
2,4-Dimethylphenol		ND		52	190
2,4-Dinitrophenol		ND		67	370
2,4-Dinitrotoluene		ND		30	190
2,6-Dinitrotoluene		ND		47	190
2-Chloronaphthalene		ND		13	190
2-Chlorophenol		ND		9.8	190
2-Methylnaphthalene		ND		2.3	190
2-Methylphenol		ND		5.9	190
2-Nitroaniline		ND		61	370
2-Nitrophenol		ND		8.8	190
3,3'-Dichlorobenzidine		ND		170	190
3-Nitroaniline		ND		44	370
4,6-Dinitro-2-methylphenol		ND		66	370
4-Bromophenyl phenyl ether		ND		61	190
4-Chloro-3-methylphenol		ND		7.9	190
4-Chloroaniline		ND		56	190
4-Chlorophenyl phenyl ether		ND		4.1	190
4-Methylphenol		ND		11	370
4-Nitroaniline		ND		21	370
4-Nitrophenol		ND		46	370
Acenaphthene		ND		2.3	190
Acenaphthylene		ND		1.6	190
Acetophenone		ND		9.8	190
Anthracene		ND		4.9	190
Atrazine		ND		8.5	190
Benzaldehyde		ND		21	190
Benzo[a]anthracene		ND		3.3	190
Benzo[a]pyrene		ND		4.6	190
Benzo[b]fluoranthene		ND		3.7	190
Benzo[g,h,i]perylene		ND		2.3	190
Benzo[k]fluoranthene		ND		2.1	190
Biphenyl		ND		12	190
bis (2-chloroisopropyl) ether		ND		20	190
Bis(2-chloroethoxy)methane		ND		10	190
Bis(2-chloroethyl)ether		ND		17	190
Bis(2-ethylhexyl) phthalate		ND		62	190
Butyl benzyl phthalate		ND		51	190
Caprolactam		ND		83	190
Carbazole		ND		2.2	190
Chrysene		ND		1.9	190
Dibenz(a,h)anthracene		ND		2.3	190
Dibenzofuran		ND		2.0	190
Diethyl phthalate		ND		5.8	190

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-5B**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-11 | Date Sampled: 04/25/2014 0935

Client Matrix: Solid | % Moisture: 14.1 | Date Received: 04/28/2014 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-179561	Instrument ID:	HP5973V
Prep Method:	3550C	Prep Batch:	480-178847	Lab File ID:	V0013.D
Dilution:	1.0			Initial Weight/Volume:	+30.75 g
Analysis Date:	05/02/2014 0443			Final Weight/Volume:	1 mL
Prep Date:	04/29/2014 0839			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.0	190
Di-n-butyl phthalate		ND		66	190
Di-n-octyl phthalate		ND		4.5	190
Fluoranthene		22	J	2.8	190
Fluorene		ND		4.4	190
Hexachlorobenzene		ND		9.5	190
Hexachlorobutadiene		ND		9.8	190
Hexachlorocyclopentadiene		ND		58	190
Hexachloroethane		ND		15	190
Indeno[1,2,3-cd]pyrene		ND		5.3	190
Isophorone		ND		9.6	190
Naphthalene		ND		3.2	190
Nitrobenzene		ND		8.5	190
N-Nitrosodi-n-propylamine		ND		15	190
N-Nitrosodiphenylamine		ND		10	190
Pentachlorophenol		ND		66	370
Phenanthrene		ND		4.0	190
Phenol		ND		20	190
Pyrene		ND		1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	107		39 - 146
2-Fluorobiphenyl	99		37 - 120
2-Fluorophenol	90		18 - 120
Nitrobenzene-d5	89		34 - 132
Phenol-d5	95		11 - 120
p-Terphenyl-d14	116		65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 2**

Lab Sample ID: 480-58808-1

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.3

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179147	Instrument ID:	HP6890-25
Prep Method:	3550C	Prep Batch:	480-178840	Initial Weight/Volume:	+30.23 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1209			Injection Volume:	1 uL
Prep Date:	04/29/2014 0829			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		4.1	21
4,4'-DDE		12	J	4.4	21
4,4'-DDT		13	J	4.9	21
Aldrin		ND		5.2	21
alpha-BHC		ND		3.8	21
alpha-Chlordane		ND		10	21
beta-BHC		ND		3.8	21
delta-BHC		ND		3.9	21
Dieldrin		ND		5.0	21
Endosulfan I		ND		4.0	21
Endosulfan II		ND		3.8	21
Endosulfan sulfate		ND		3.9	21
Endrin		ND		4.2	21
Endrin aldehyde		ND		5.4	21
Endrin ketone		ND		5.2	21
gamma-BHC (Lindane)		ND		3.9	21
gamma-Chlordane		ND		6.7	21
Heptachlor		ND		4.6	21
Heptachlor epoxide		ND		5.4	21
Methoxychlor		ND		4.3	21
Toxaphene		ND		120	210

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67		32 - 136
Tetrachloro-m-xylene	121		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 2**

Lab Sample ID: 480-58808-1
Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.3

Date Sampled: 04/25/2014 0000
Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179147	Instrument ID:	HP6890-25
Prep Method:	3550C	Prep Batch:	480-178840	Initial Weight/Volume:	+30.23 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1209			Injection Volume:	1 uL
Prep Date:	04/29/2014 0829			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	159 J	X	32 - 136
Tetrachloro-m-xylene	102		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 4**

Lab Sample ID: 480-58808-2

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 11.4

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179147	Instrument ID:	HP6890-25
Prep Method:	3550C	Prep Batch:	480-178840	Initial Weight/Volume:	+30.74 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1227			Injection Volume:	1 uL
Prep Date:	04/29/2014 0829			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.36	1.8
4,4'-DDE		0.65 J	J	0.39	1.8
4,4'-DDT		ND		0.43	1.8
Aldrin		ND		0.45	1.8
alpha-BHC		ND		0.33	1.8
alpha-Chlordane		ND		0.91	1.8
beta-BHC		ND		0.33	1.8
delta-BHC		0.63 J	J	0.34	1.8
Dieldrin		ND		0.44	1.8
Endosulfan I		ND		0.35	1.8
Endosulfan II		ND		0.33	1.8
Endosulfan sulfate		ND		0.34	1.8
Endrin		ND		0.36	1.8
Endrin aldehyde		ND		0.47	1.8
Endrin ketone		0.56	J	0.45	1.8
gamma-BHC (Lindane)		ND		0.34	1.8
gamma-Chlordane		ND		0.58	1.8
Heptachlor		ND		0.40	1.8
Heptachlor epoxide		ND		0.47	1.8
Methoxychlor		ND		0.37	1.8
Toxaphene		ND		11	18

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		32 - 136
Tetrachloro-m-xylene	83		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 4**

Lab Sample ID: 480-58808-2

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 11.4

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179147	Instrument ID:	HP6890-25
Prep Method:	3550C	Prep Batch:	480-178840	Initial Weight/Volume:	+30.74 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1227			Injection Volume:	1 uL
Prep Date:	04/29/2014 0829			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		32 - 136
Tetrachloro-m-xylene	90		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 5**

Lab Sample ID: 480-58808-3
Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 15.0

Date Sampled: 04/25/2014 1105
Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1352			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.38	2.0
4,4'-DDE		ND		0.41	2.0
4,4'-DDT		0.63 J	J	0.46	2.0
Aldrin		ND		0.48	2.0
alpha-BHC		ND		0.35	2.0
alpha-Chlordane		ND		0.98	2.0
beta-BHC		ND		0.35	2.0
delta-BHC		0.62 J	J	0.36	2.0
Dieldrin		ND		0.47	2.0
Endosulfan I		ND		0.38	2.0
Endosulfan II		ND		0.35	2.0
Endosulfan sulfate		ND		0.37	2.0
Endrin		ND		0.39	2.0
Endrin aldehyde		ND		0.50	2.0
Endrin ketone		ND		0.48	2.0
gamma-BHC (Lindane)		ND		0.36	2.0
gamma-Chlordane		ND		0.62	2.0
Heptachlor		ND		0.42	2.0
Heptachlor epoxide		ND		0.51	2.0
Methoxychlor		ND		0.40	2.0
Toxaphene		ND		11	20

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	79		32 - 136
Tetrachloro-m-xylene	69		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 5**

Lab Sample ID: 480-58808-3

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 15.0

Date Sampled: 04/25/2014 1105

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1352			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		32 - 136
Tetrachloro-m-xylene	73		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(S)**

Lab Sample ID: 480-58808-4

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 13.8

Date Sampled: 04/25/2014 1250

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179147	Instrument ID:	HP6890-25
Prep Method:	3550C	Prep Batch:	480-178840	Initial Weight/Volume:	+30.39 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1245			Injection Volume:	1 uL
Prep Date:	04/29/2014 0829			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.37	1.9
4,4'-DDE		0.68 J	J	0.40	1.9
4,4'-DDT		1.1 J	J	0.45	1.9
Aldrin		ND		0.47	1.9
alpha-BHC		ND		0.34	1.9
alpha-Chlordane		ND		0.95	1.9
beta-BHC		0.39 J	J	0.34	1.9
delta-BHC		ND		0.35	1.9
Dieldrin		ND		0.46	1.9
Endosulfan I		ND		0.37	1.9
Endosulfan II		ND		0.34	1.9
Endosulfan sulfate		ND		0.36	1.9
Endrin		ND		0.38	1.9
Endrin aldehyde		ND		0.49	1.9
Endrin ketone		0.60	J	0.47	1.9
gamma-BHC (Lindane)		0.53J	J	0.35	1.9
gamma-Chlordane		ND		0.61	1.9
Heptachlor		ND		0.41	1.9
Heptachlor epoxide		ND		0.49	1.9
Methoxychlor		ND		0.39	1.9
Toxaphene		ND		11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		32 - 136
Tetrachloro-m-xylene	84		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(S)**

Lab Sample ID: 480-58808-4

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 13.8

Date Sampled: 04/25/2014 1250

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179147	Instrument ID:	HP6890-25
Prep Method:	3550C	Prep Batch:	480-178840	Initial Weight/Volume:	+30.39 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1245			Injection Volume:	1 uL
Prep Date:	04/29/2014 0829			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		32 - 136
Tetrachloro-m-xylene	89		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-5

Client Matrix: Solid

% Moisture: 12.8

Date Sampled: 04/25/2014 1100

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.62 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1409			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.36	1.9
4,4'-DDE		0.40	J	0.39	1.9
4,4'-DDT		0.60 J	J	0.44	1.9
Aldrin		ND		0.46	1.9
alpha-BHC		ND		0.34	1.9
alpha-Chlordane		ND		0.93	1.9
beta-BHC		ND		0.34	1.9
delta-BHC		0.90 J	J	0.35	1.9
Dieldrin		ND		0.45	1.9
Endosulfan I		ND		0.36	1.9
Endosulfan II		ND		0.34	1.9
Endosulfan sulfate		ND		0.35	1.9
Endrin		ND		0.37	1.9
Endrin aldehyde		ND		0.48	1.9
Endrin ketone		ND		0.46	1.9
gamma-BHC (Lindane)		ND		0.34	1.9
gamma-Chlordane		ND		0.60	1.9
Heptachlor		ND		0.41	1.9
Heptachlor epoxide		ND		0.48	1.9
Methoxychlor		ND		0.38	1.9
Toxaphene		ND		11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		32 - 136
Tetrachloro-m-xylene	68		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(Sed)**

Lab Sample ID: 480-58808-5

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 12.8

Date Sampled: 04/25/2014 1100

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.62 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1409			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	84		32 - 136
Tetrachloro-m-xylene	72		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(S)**

Lab Sample ID: 480-58808-6

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 13.3

Date Sampled: 04/25/2014 1355

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179147	Instrument ID:	HP6890-25
Prep Method:	3550C	Prep Batch:	480-178840	Initial Weight/Volume:	+30.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1303			Injection Volume:	1 uL
Prep Date:	04/29/2014 0829			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.37	1.9
4,4'-DDE		1.1	J	0.40	1.9
4,4'-DDT		ND		0.44	1.9
Aldrin		ND		0.47	1.9
alpha-BHC		ND		0.34	1.9
alpha-Chlordane		ND		0.94	1.9
beta-BHC		ND		0.34	1.9
delta-BHC		ND		0.35	1.9
Dieldrin		ND		0.46	1.9
Endosulfan I		ND		0.36	1.9
Endosulfan II		ND		0.34	1.9
Endosulfan sulfate		ND		0.35	1.9
Endrin		ND		0.38	1.9
Endrin aldehyde		0.78	J	0.48	1.9
Endrin ketone		0.54 J	J	0.47	1.9
gamma-BHC (Lindane)		0.52	J	0.35	1.9
gamma-Chlordane		0.63	J	0.60	1.9
Heptachlor		ND		0.41	1.9
Heptachlor epoxide		ND		0.49	1.9
Methoxychlor		0.84 J	J	0.39	1.9
Toxaphene		ND		11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		32 - 136
Tetrachloro-m-xylene	85		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(S)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-6

Client Matrix: Solid

% Moisture: 13.3

Date Sampled: 04/25/2014 1355

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179147	Instrument ID:	HP6890-25
Prep Method:	3550C	Prep Batch:	480-178840	Initial Weight/Volume:	+30.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1303			Injection Volume:	1 uL
Prep Date:	04/29/2014 0829			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		32 - 136
Tetrachloro-m-xylene	83		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(Sed)**

Lab Sample ID: 480-58808-7

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 16.2

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.08 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1523			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		3.9	20
4,4'-DDE		ND		4.2	20
4,4'-DDT		ND		4.6	20
Aldrin		ND		4.9	20
alpha-BHC		ND		3.6	20
alpha-Chlordane		ND		9.9	20
beta-BHC		ND		3.6	20
delta-BHC		ND		3.7	20
Dieldrin		ND		4.8	20
Endosulfan I		ND		3.8	20
Endosulfan II		ND		3.6	20
Endosulfan sulfate		ND		3.7	20
Endrin		ND		3.9	20
Endrin aldehyde		ND		5.1	20
Endrin ketone		ND		4.9	20
gamma-BHC (Lindane)		ND		3.6	20
gamma-Chlordane		ND		6.3	20
Heptachlor		ND		4.3	20
Heptachlor epoxide		ND		5.1	20
Methoxychlor		ND		4.0	20
Toxaphene		ND		120	200

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	32 - 136
Tetrachloro-m-xylene	0	X	30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-7

Client Matrix: Solid

% Moisture: 16.2

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.08 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1523			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	32 - 136
Tetrachloro-m-xylene	0	X	30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11A**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-8

Client Matrix: Solid

% Moisture: 10.0

Date Sampled: 04/25/2014 1400

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.66 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1540			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		3.5	18
4,4'-DDE		10	J	3.8	18
4,4'-DDT		13	J	4.2	18
Aldrin		ND		4.5	18
alpha-BHC		ND		3.3	18
alpha-Chlordane		ND		9.0	18
beta-BHC		ND		3.3	18
delta-BHC		ND		3.4	18
Dieldrin		ND		4.4	18
Endosulfan I		ND		3.5	18
Endosulfan II		ND		3.3	18
Endosulfan sulfate		ND		3.4	18
Endrin		ND		3.6	18
Endrin aldehyde		ND		4.6	18
Endrin ketone		7.4 J	J	4.5	18
gamma-BHC (Lindane)		ND		3.3	18
gamma-Chlordane		ND		5.8	18
Heptachlor		ND		3.9	18
Heptachlor epoxide		ND		4.7	18
Methoxychlor		ND		3.7	18
Toxaphene		ND		110	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	32 - 136
Tetrachloro-m-xylene	0	X	30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11A**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-8

Client Matrix: Solid

% Moisture: 10.0

Date Sampled: 04/25/2014 1400

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.66 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1540			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	32 - 136
Tetrachloro-m-xylene	0	X	30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11B**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-9

Client Matrix: Solid

% Moisture: 27.6

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1558			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.44	2.3
4,4'-DDE		0.75	J	0.48	2.3
4,4'-DDT		0.82 J	J	0.53	2.3
Aldrin		ND		0.56	2.3
alpha-BHC		ND		0.41	2.3
alpha-Chlordane		ND		1.1	2.3
beta-BHC		ND		0.41	2.3
delta-BHC		ND		0.42	2.3
Dieldrin		ND		0.55	2.3
Endosulfan I		ND		0.44	2.3
Endosulfan II		ND		0.41	2.3
Endosulfan sulfate		ND		0.43	2.3
Endrin		ND		0.45	2.3
Endrin aldehyde		ND		0.58	2.3
Endrin ketone		ND		0.56	2.3
gamma-BHC (Lindane)		ND		0.42	2.3
gamma-Chlordane		ND		0.73	2.3
Heptachlor		ND		0.49	2.3
Heptachlor epoxide		ND		0.59	2.3
Methoxychlor		ND		0.47	2.3
Toxaphene		ND		13	23

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		32 - 136
Tetrachloro-m-xylene	69		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11B**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-9

Client Matrix: Solid

% Moisture: 27.6

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1558			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		32 - 136
Tetrachloro-m-xylene	80		30 - 124

Client: Sterling Environmental Engineering PC Job Number: 480-58808-1

Client Sample ID: **SS-5A**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-10 Date Sampled: 04/25/2014 1050

Client Matrix: Solid % Moisture: 21.4 Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.49 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1615			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		4.1	21
4,4'-DDE		ND UJ		4.4	21
4,4'-DDT		6.4 J	J	4.9	21
Aldrin		ND		5.1	21
alpha-BHC		ND		3.8	21
alpha-Chlordane		ND		10	21
beta-BHC		ND UJ		3.8	21
delta-BHC		ND		3.9	21
Dieldrin		ND		5.0	21
Endosulfan I		ND		4.0	21
Endosulfan II		ND		3.8	21
Endosulfan sulfate		ND		3.9	21
Endrin		ND		4.1	21
Endrin aldehyde		ND		5.3	21
Endrin ketone		ND		5.1	21
gamma-BHC (Lindane)		ND		3.8	21
gamma-Chlordane		ND		6.6	21
Heptachlor		ND		4.5	21
Heptachlor epoxide		ND		5.4	21
Methoxychlor		ND		4.3	21
Toxaphene		ND		120	210

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	142	X	32 - 136
Tetrachloro-m-xylene	0	X	30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5A**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-10

Client Matrix: Solid

% Moisture: 21.4

Date Sampled: 04/25/2014 1050

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.49 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1615			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	32 - 136
Tetrachloro-m-xylene	0	X	30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5B**

Lab Sample ID: 480-58808-11

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 14.1

Date Sampled: 04/25/2014 0935

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.42 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1633			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.37	1.9
4,4'-DDE		0.40	J	0.40	1.9
4,4'-DDT		0.71 J	J	0.45	1.9
Aldrin		ND		0.47	1.9
alpha-BHC		0.47	J	0.34	1.9
alpha-Chlordane		ND		0.95	1.9
beta-BHC		ND		0.34	1.9
delta-BHC		ND		0.36	1.9
Dieldrin		ND		0.46	1.9
Endosulfan I		ND		0.37	1.9
Endosulfan II		ND		0.34	1.9
Endosulfan sulfate		ND		0.36	1.9
Endrin		ND		0.38	1.9
Endrin aldehyde		ND		0.49	1.9
Endrin ketone		ND		0.47	1.9
gamma-BHC (Lindane)		ND		0.35	1.9
gamma-Chlordane		ND		0.61	1.9
Heptachlor		ND		0.41	1.9
Heptachlor epoxide		ND		0.49	1.9
Methoxychlor		ND		0.39	1.9
Toxaphene		ND		11	19

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		32 - 136
Tetrachloro-m-xylene	68		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5B**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-11

Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 04/25/2014 0935

Date Received: 04/28/2014 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-179647	Instrument ID:	HP6890-6
Prep Method:	3550C	Prep Batch:	480-179669	Initial Weight/Volume:	+30.42 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 1633			Injection Volume:	1 uL
Prep Date:	05/02/2014 0904			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		32 - 136
Tetrachloro-m-xylene	72		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP 2**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-1 | Date Sampled: 04/25/2014 0000

Client Matrix: Solid | % Moisture: 21.3 | Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.10 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1410			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		59	300
PCB-1221		ND		59	300
PCB-1232		ND		59	300
PCB-1242		ND		59	300
PCB-1248		ND		59	300
PCB-1254		ND		140	300
PCB-1260		ND		140	300

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		47 - 176
Tetrachloro-m-xylene	108		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 2**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-1

Client Matrix: Solid

% Moisture: 21.3

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.10 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1410			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	125		47 - 176
Tetrachloro-m-xylene	103		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 4**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-2

Date Sampled: 04/25/2014 0000

Client Matrix: Solid

% Moisture: 11.4

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.83 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1425			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		39	200
PCB-1221		ND		39	200
PCB-1232		ND		39	200
PCB-1242		ND		39	200
PCB-1248		ND		39	200
PCB-1254		ND		94	200
PCB-1260		ND		94	200

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	116		47 - 176
Tetrachloro-m-xylene	103		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 4**

Lab Sample ID: 480-58808-2

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 11.4

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.83 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1425			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	125		47 - 176
Tetrachloro-m-xylene	102		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 5**

Lab Sample ID: 480-58808-3

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 15.0

Date Sampled: 04/25/2014 1105

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.06 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1440			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		56	290
PCB-1221		ND		56	290
PCB-1232		ND		56	290
PCB-1242		ND		56	290
PCB-1248		ND		56	290
PCB-1254		ND		130	290
PCB-1260		ND		130	290

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		47 - 176
Tetrachloro-m-xylene	100		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 5**

Lab Sample ID: 480-58808-3

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 15.0

Date Sampled: 04/25/2014 1105

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.06 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1440			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	124		47 - 176
Tetrachloro-m-xylene	98		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(S)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-4

Client Matrix: Solid

% Moisture: 13.8

Date Sampled: 04/25/2014 1250

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.64 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1454			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		43	220
PCB-1221		ND		43	220
PCB-1232		ND		43	220
PCB-1242		ND		43	220
PCB-1248		ND		43	220
PCB-1254		ND		100	220
PCB-1260		ND		100	220

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		47 - 176
Tetrachloro-m-xylene	105		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(S)**

Lab Sample ID: 480-58808-4

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 13.8

Date Sampled: 04/25/2014 1250

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.64 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1454			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		47 - 176
Tetrachloro-m-xylene	104		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(Sed)**

Lab Sample ID: 480-58808-5

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 12.8

Date Sampled: 04/25/2014 1100

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.31 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1608			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		49	250
PCB-1221		ND		49	250
PCB-1232		ND		49	250
PCB-1242		ND		49	250
PCB-1248		ND		49	250
PCB-1254		ND		120	250
PCB-1260		ND		120	250

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		47 - 176
Tetrachloro-m-xylene	101		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-5

Client Matrix: Solid

% Moisture: 12.8

Date Sampled: 04/25/2014 1100

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.31 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1608			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	125		47 - 176
Tetrachloro-m-xylene	99		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(S)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-6

Client Matrix: Solid

% Moisture: 13.3

Date Sampled: 04/25/2014 1355

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.94 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1652			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		38	200
PCB-1221		ND		38	200
PCB-1232		ND		38	200
PCB-1242		ND		38	200
PCB-1248		ND		38	200
PCB-1254		ND		92	200
PCB-1260		ND		92	200

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		47 - 176
Tetrachloro-m-xylene	114		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(S)**

Lab Sample ID: 480-58808-6

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 13.3

Date Sampled: 04/25/2014 1355

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.94 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1652			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	131		47 - 176
Tetrachloro-m-xylene	106		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(Sed)**

Lab Sample ID: 480-58808-7

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 16.2

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.36 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1707			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		49	250
PCB-1221		ND		49	250
PCB-1232		ND		49	250
PCB-1242		ND		49	250
PCB-1248		ND		49	250
PCB-1254		ND		120	250
PCB-1260		ND		120	250

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		47 - 176
Tetrachloro-m-xylene	104		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-7

Client Matrix: Solid

% Moisture: 16.2

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.36 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1707			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	130		47 - 176
Tetrachloro-m-xylene	102		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11A**

Lab Sample ID: 480-58808-8

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 10.0

Date Sampled: 04/25/2014 1400

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.14 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1721			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		51	260
PCB-1221		ND		51	260
PCB-1232		ND		51	260
PCB-1242		ND		51	260
PCB-1248		ND		51	260
PCB-1254		ND		120	260
PCB-1260		ND		120	260

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		47 - 176
Tetrachloro-m-xylene	105		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11A**

Lab Sample ID: 480-58808-8

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 10.0

Date Sampled: 04/25/2014 1400

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.14 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1721			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		47 - 176
Tetrachloro-m-xylene	103		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11B**

Lab Sample ID: 480-58808-9

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 27.6

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.42 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1736			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		56	290
PCB-1221		ND		56	290
PCB-1232		ND		56	290
PCB-1242		ND		56	290
PCB-1248		ND		56	290
PCB-1254		ND		130	290
PCB-1260		ND		130	290

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		47 - 176
Tetrachloro-m-xylene	105		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11B**

Lab Sample ID: 480-58808-9

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 27.6

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.42 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1736			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		47 - 176
Tetrachloro-m-xylene	104		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5A**

Lab Sample ID: 480-58808-10

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.4

Date Sampled: 04/25/2014 1050

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1850			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		56	290
PCB-1221		ND		56	290
PCB-1232		ND		56	290
PCB-1242		ND		56	290
PCB-1248		ND		56	290
PCB-1254		ND		130	290
PCB-1260		ND		130	290

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	116		47 - 176
Tetrachloro-m-xylene	106		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5A**

Lab Sample ID: 480-58808-10

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.4

Date Sampled: 04/25/2014 1050

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1850			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	129		47 - 176
Tetrachloro-m-xylene	104		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5B**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-11

Date Sampled: 04/25/2014 0935

Client Matrix: Solid

% Moisture: 14.1

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1934			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		50	250
PCB-1221		ND		50	250
PCB-1232		ND		50	250
PCB-1242		ND		50	250
PCB-1248		ND		50	250
PCB-1254		ND		120	250
PCB-1260		ND		120	250

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		47 - 176
Tetrachloro-m-xylene	105		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5B**

Lab Sample ID: 480-58808-11

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 14.1

Date Sampled: 04/25/2014 0935

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179081	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-178928	Initial Weight/Volume:	+2.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1934			Injection Volume:	1 uL
Prep Date:	04/29/2014 1246			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	126		47 - 176
Tetrachloro-m-xylene	103		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 2**

Lab Sample ID: 480-58808-1

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.3

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.23 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0452			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		13	21
Silvex (2,4,5-TP)		ND		7.6	21

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	82		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 2**

Lab Sample ID: 480-58808-1

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.3

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.23 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0452			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	77	J	39 - 120

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP 4**

Lab Sample ID: 480-58808-2 | All target analytes should be qualified as estimated. | Date Sampled: 04/25/2014 0000
Client Matrix: Solid | % Moisture: 11.4 | Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.35 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0522			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		12	19
Silvex (2,4,5-TP)		ND		6.7	19

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	80		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 4**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-2

Date Sampled: 04/25/2014 0000

Client Matrix: Solid

% Moisture: 11.4

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.35 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0522			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	89	J	39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 5**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-3

Date Sampled: 04/25/2014 1105

Client Matrix: Solid

% Moisture: 15.0

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.82 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0551			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		12	19
Silvex (2,4,5-TP)		ND		6.9	19

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	79		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **DUP 5**

Lab Sample ID: 480-58808-3

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 15.0

Date Sampled: 04/25/2014 1105

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.82 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0551			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	74	J	39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(S)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-4

Date Sampled: 04/25/2014 1250

Client Matrix: Solid

% Moisture: 13.8

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.64 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0621			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		12	19
Silvex (2,4,5-TP)		ND		6.8	19

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	72		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(S)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-4

Date Sampled: 04/25/2014 1250

Client Matrix: Solid

% Moisture: 13.8

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.64 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0621			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	93	J	39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-5

Client Matrix: Solid

% Moisture: 12.8

Date Sampled: 04/25/2014 1100

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.47 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0650			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		12	19
Silvex (2,4,5-TP)		ND		6.8	19

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	79		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-1(Sed)**

Lab Sample ID: 480-58808-5

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 12.8

Date Sampled: 04/25/2014 1100

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.47 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0650			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	75	J	39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(S)**

Lab Sample ID: 480-58808-6

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 13.3

Date Sampled: 04/25/2014 1355

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.25 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0720			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		12	19
Silvex (2,4,5-TP)		ND		6.9	19

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	86		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(S)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-6

Client Matrix: Solid

% Moisture: 13.3

Date Sampled: 04/25/2014 1355

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.25 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0720			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	80	J	39 - 120

Client: Sterling Environmental Engineering PC Job Number: 480-58808-1

Client Sample ID: **P2-2(Sed)** All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-7 Date Sampled: 04/25/2014 1300
Client Matrix: Solid % Moisture: 16.2 Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.53 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0749			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		12	20
Silvex (2,4,5-TP)		ND		7.0	20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	77		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **P2-2(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-7

Date Sampled: 04/25/2014 1300

Client Matrix: Solid

% Moisture: 16.2

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.53 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0749			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	73	J	39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11A**

Lab Sample ID: 480-58808-8

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 10.0

Date Sampled: 04/25/2014 1400

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.36 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0819			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		12	18
Silvex (2,4,5-TP)		ND		6.6	18

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	74		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11A**

Lab Sample ID: 480-58808-8
Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 10.0

Date Sampled: 04/25/2014 1400
Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.36 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0819			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	64	J	39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11B**

Lab Sample ID: 480-58808-9

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 27.6

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.35 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0848			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		14	23
Silvex (2,4,5-TP)		ND		8.2	23

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	82		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-11B**

Lab Sample ID: 480-58808-9

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 27.6

Date Sampled: 04/25/2014 1300

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.35 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0848			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	76	J	39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5A**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-10

Client Matrix: Solid

% Moisture: 21.4

Date Sampled: 04/25/2014 1050

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0950			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		13	21
Silvex (2,4,5-TP)		ND		7.6	21

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	70		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5A**

Lab Sample ID: 480-58808-10

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 21.4

Date Sampled: 04/25/2014 1050

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 0950			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	66	J	39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5B**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-11

Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 04/25/2014 0935

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.76 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 1050			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		12	19
Silvex (2,4,5-TP)		ND		6.8	19

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	77		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58808-1

Client Sample ID: **SS-5B**

Lab Sample ID: 480-58808-11

Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 14.1

Date Sampled: 04/25/2014 0935

Date Received: 04/28/2014 0930

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-181960	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180606	Initial Weight/Volume:	+30.76 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/15/2014 1050			Injection Volume:	1 uL
Prep Date:	05/07/2014 0941			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	92		39 - 120

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP 2**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-1 | Date Sampled: 04/25/2014 0000

Client Matrix: Solid | % Moisture: 21.3 | Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4791 g
Analysis Date:	04/30/2014 1841			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		ND UJ		0.53	19.9
Arsenic		3.7		0.53	2.7
Barium		38.4 JH		0.15	0.66
Beryllium		0.40 JH		0.037	0.27
Cadmium		ND		0.040	0.27
Calcium		413 JH		4.4	66.3
Chromium		20.7		0.27	0.66
Cobalt		4.3		0.066	0.66
Copper		11.8		0.28	1.3
Iron		17200 JH		1.5	13.3
Lead		32.1 JH		0.32	1.3
Magnesium		2710 JH	B	1.2	26.5
Manganese		104 JH		0.042	0.27
Nickel		12.5		0.31	6.6
Potassium		534		26.5	39.8
Selenium		1.2	J	0.53	5.3
Silver		0.33	J	0.27	0.80
Sodium		51.1	J	17.2	186
Thallium		ND		0.40	8.0
Vanadium		36.1 JH		0.15	0.66

Analysis Method:	6010C	Analysis Batch:	480-179615	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	+0.4791 g
Analysis Date:	05/01/2014 1550			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13900		5.8	13.3
Zinc		35.2 JH	B	0.20	2.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6036 g
Analysis Date:	04/30/2014 1331			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.10		0.010	0.025

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **DUP 4**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-2 | Date Sampled: 04/25/2014 0000

Client Matrix: Solid | % Moisture: 11.4 | Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5142 g
Analysis Date:	04/30/2014 1844			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		ND UJ		0.44	16.5
Arsenic		2.7		0.44	2.2
Barium		87.5 J		0.12	0.55
Beryllium		0.42 JH		0.031	0.22
Cadmium		0.26 JH		0.033	0.22
Calcium		1470 JH		3.6	54.9
Chromium		21.3		0.22	0.55
Cobalt		7.0		0.055	0.55
Copper		16.5		0.23	1.1
Iron		15100 JH		1.2	11.0
Lead		16.4 JH		0.26	1.1
Magnesium		3380 JH	B	1.0	21.9
Manganese		327		0.035	0.22
Nickel		18.0		0.25	5.5
Potassium		1290 J		21.9	32.9
Selenium		0.45	J	0.44	4.4
Silver		0.58	J	0.22	0.66
Sodium		80.4 J	J	14.3	154
Thallium		ND		0.33	6.6
Vanadium		25.4 JH		0.12	0.55

Analysis Method:	6010C	Analysis Batch:	480-179615	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	+0.5142 g
Analysis Date:	05/01/2014 1555			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3920 JH		4.8	11.0
Zinc		70.5 JH	B	0.17	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5817 g
Analysis Date:	04/30/2014 1333			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.24		0.0094	0.023

Client: Sterling Environmental Engineering PC Job Number: 480-58808-1

Client Sample ID: **DUP 5**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-3 Date Sampled: 04/25/2014 1105

Client Matrix: Solid % Moisture: 15.0 Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5357 g
Analysis Date:	04/30/2014 1847			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		ND		0.44	16.5
Arsenic		0.99	J	0.44	2.2
Barium		76.2		0.12	0.55
Beryllium		~~0.14~~ .22	~~J~~ U	0.031	0.22
Cadmium		0.14 JH	J	0.033	0.22
Calcium		617 JH		3.6	54.9
Chromium		8.4		0.22	0.55
Cobalt		2.7		0.055	0.55
Copper		12.9		0.23	1.1
Iron		6740 JH		1.2	11.0
Lead		66.3 JH		0.26	1.1
Magnesium		1890 JH	B	1.0	22.0
Manganese		64.1 J		0.035	0.22
Nickel		6.2		0.25	5.5
Potassium		1040		22.0	32.9
Selenium		ND		0.44	4.4
Silver		1.0		0.22	0.66
Sodium		62.4	J	14.3	154
Thallium		ND		0.33	6.6
Vanadium		10.8 JH		0.12	0.55

Analysis Method:	6010C	Analysis Batch:	480-179615	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	+0.5357 g
Analysis Date:	05/01/2014 1552			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10200		4.8	11.0
Zinc		231 JH	B	0.17	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5885 g
Analysis Date:	04/30/2014 1335			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.75 JH		0.0097	0.024

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: P2-1(S)

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-4 | Date Sampled: 04/25/2014 1250

Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4606 g
Analysis Date:	04/30/2014 1849			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		ND UJ		0.50	18.9
Arsenic		2.1	J	0.50	2.5
Barium		90.1 J		0.14	0.63
Beryllium		0.36JH		0.035	0.25
Cadmium		0.30 JH		0.038	0.25
Calcium		1270 JH		4.2	63.0
Chromium		17.6		0.25	0.63
Cobalt		7.1		0.063	0.63
Copper		16.7		0.26	1.3
Iron		16900 JH		1.4	12.6
Lead		20.6 JH		0.30	1.3
Magnesium		3320 JH	B	1.2	25.2
Manganese		472		0.040	0.25
Nickel		19.7		0.29	6.3
Potassium		1340 J		25.2	37.8
Selenium		0.78	J	0.50	5.0
Silver		0.49	J	0.25	0.76
Sodium		86.4 J	J	16.4	176
Thallium		ND		0.38	7.6
Vanadium		22.8 JH		0.14	0.63

Analysis Method:	6010C	Analysis Batch:	480-179615	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	+0.4606 g
Analysis Date:	05/01/2014 1558			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9130 JH		5.5	12.6
Zinc		200JH	B	0.19	2.5

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5980 g
Analysis Date:	04/30/2014 1337			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.17		0.0094	0.023

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-1(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-5 | Date Sampled: 04/25/2014 1100

Client Matrix: Solid | % Moisture: 12.8 | Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5233 g
Analysis Date:	04/30/2014 1917			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		ND		0.44	16.4
Arsenic		0.85 J	J	0.44	2.2
Barium		67.7 JH		0.12	0.55
Beryllium		0.14 JH	J	0.031	0.22
Cadmium		0.18 JH	J	0.033	0.22
Calcium		1050		3.6	54.8
Chromium		8.4		0.22	0.55
Cobalt		2.4		0.055	0.55
Copper		15.5		0.23	1.1
Iron		7620 J		1.2	11.0
Lead		62.7 JH		0.26	1.1
Magnesium		1890 JH	B	1.0	21.9
Manganese		65.9 J		0.035	0.22
Nickel		6.6		0.25	5.5
Potassium		716		21.9	32.9
Selenium		ND		0.44	4.4
Silver		1.1		0.22	0.66
Sodium		74.6	J	14.2	153
Thallium		ND		0.33	6.6
Vanadium		12.2 J		0.12	0.55

Analysis Method:	6010C	Analysis Batch:	480-179615	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	+0.5233 g
Analysis Date:	05/01/2014 1623			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3730		4.8	11.0
Zinc		81.9 JH	B	0.17	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6012 g
Analysis Date:	04/30/2014 1344			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.66 JH		0.0093	0.023

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-2(S)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-6 | Date Sampled: 04/25/2014 1355

Client Matrix: Solid | % Moisture: 13.3 | Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5021 g
Analysis Date:	04/30/2014 1925			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		ND		0.46	17.2
Arsenic		1.7 J	J	0.46	2.3
Barium		58.9 JH		0.13	0.57
Beryllium		0.23 JH		0.032	0.23
Cadmium		0.16 JH	J	0.034	0.23
Calcium		1690		3.8	57.5
Chromium		18.5		0.23	0.57
Cobalt		4.1		0.057	0.57
Copper		20.4		0.24	1.1
Iron		10200		1.3	11.5
Lead		23.1 JH		0.28	1.1
Magnesium		2610 JH	B	1.1	23.0
Manganese		88.5		0.037	0.23
Nickel		9.6		0.26	5.7
Potassium		1240		23.0	34.5
Selenium		ND		0.46	4.6
Silver		1.1		0.23	0.69
Sodium		85.5	J	14.9	161
Thallium		ND		0.34	6.9
Vanadium		19.3 J		0.13	0.57

Analysis Method:	6010C	Analysis Batch:	480-179615	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	+0.5021 g
Analysis Date:	05/01/2014 1631			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6050		5.1	11.5
Zinc		78.8 JH	B	0.18	2.3

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6346 g
Analysis Date:	04/30/2014 1353			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.22		0.0088	0.022

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **P2-2(Sed)**

Lab Sample ID: 480-58808-7 | Date Sampled: 04/25/2014 1300

Client Matrix: Solid | % Moisture: 16.2 | Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4639 g
Analysis Date:	04/30/2014 1942			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4250 JH		5.7	12.9
Antimony		ND		0.51	19.3
Arsenic		0.72 J	J	0.51	2.6
Barium		37.6 JH		0.14	0.64
Beryllium		0.15 JH	J	0.036	0.26
Cadmium		0.18	J	0.039	0.26
Calcium		1360		4.2	64.3
Chromium		9.5		0.26	0.64
Cobalt		20.5		0.064	0.64
Copper		15.0		0.27	1.3
Iron		6560		1.4	12.9
Lead		31.9		0.31	1.3
Magnesium		1990 JH	B	1.2	25.7
Manganese		129		0.041	0.26
Nickel		9.0		0.30	6.4
Potassium		1030		25.7	38.6
Selenium		ND		0.51	5.1
Silver		0.72	J	0.26	0.77
Sodium		93.2	J	16.7	180
Thallium		ND		0.39	7.7
Vanadium		11.7 J		0.14	0.64
Zinc		65.9 JH	B	0.20	2.6

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6428 g
Analysis Date:	04/30/2014 1354			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.39		0.0090	0.022

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-11A** All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-8 | Date Sampled: 04/25/2014 1400
Client Matrix: Solid | % Moisture: 10.0 | Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4770 g
Analysis Date:	04/30/2014 1945			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9250 JH		5.1	11.7
Antimony		ND		0.47	17.5
Arsenic		2.2 J	J	0.47	2.3
Barium		40.0 JH		0.13	0.58
Beryllium		0.31 JH		0.033	0.23
Cadmium		0.052	J	0.035	0.23
Calcium		469		3.8	58.3
Chromium		15.0		0.23	0.58
Cobalt		3.3		0.058	0.58
Copper		10.6		0.24	1.2
Iron		11700		1.3	11.7
Lead		64.7		0.28	1.2
Magnesium		1850 JH	B	1.1	23.3
Manganese		80.4		0.037	0.23
Nickel		9.4		0.27	5.8
Potassium		492		23.3	35.0
Selenium		1.2	J	0.47	4.7
Silver		0.23	J	0.23	0.70
Sodium		45.3	J	15.1	163
Thallium		ND		0.35	7.0
Vanadium		27.7 J		0.13	0.58
Zinc		27.4 JH	B	0.18	2.3

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6267 g
Analysis Date:	04/30/2014 1356			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.084		0.0086	0.021

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-11B**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-9 | Date Sampled: 04/25/2014 1300
Client Matrix: Solid | % Moisture: 27.6 | Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4685 g
Analysis Date:	04/30/2014 1948			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		20400 JH		6.5	14.7
Antimony		ND UJ		0.59	22.1
Arsenic		2.5 J	J	0.59	2.9
Barium		86.8 JH		0.16	0.74
Beryllium		0.70 JHJ		0.041	0.29
Cadmium		ND		0.044	0.29
Calcium		474		4.9	73.7
Chromium		32.6		0.29	0.74
Cobalt		9.9		0.074	0.74
Copper		12.8		0.31	1.5
Iron		25000		1.6	14.7
Lead		10.3 JH		0.35	1.5
Magnesium		4540 JH	B	1.4	29.5
Manganese		205 JH		0.047	0.29
Nickel		21.5		0.34	7.4
Potassium		1090		29.5	44.2
Selenium		1.3	J	0.59	5.9
Silver		0.34	J	0.29	0.88
Sodium		59.0	J	19.2	206
Thallium		ND		0.44	8.8
Vanadium		48.2 J		0.16	0.74
Zinc		53.9 JH	B	0.23	2.9

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5849 g
Analysis Date:	04/30/2014 1358			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.061		0.011	0.028

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-5A**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-10 | Date Sampled: 04/25/2014 1050

Client Matrix: Solid | % Moisture: 21.4 | Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5297 g
Analysis Date:	04/30/2014 1956			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11900 JH		5.3	12.0
Antimony		0.49 J	J	0.48	18.0
Arsenic		2.6 J		0.48	2.4
Barium		84.4 JH		0.13	0.60
Beryllium		0.46 JH		0.034	0.24
Cadmium		0.14	J	0.036	0.24
Calcium		1280 J		4.0	60.1
Chromium		22.3		0.24	0.60
Cobalt		10.0		0.060	0.60
Copper		25.3 J		0.25	1.2
Iron		17800		1.3	12.0
Lead		4810		0.29	1.2
Magnesium		4290 JH	B	1.1	24.0
Manganese		366		0.038	0.24
Nickel		19.0		0.28	6.0
Potassium		2350 J		24.0	36.0
Selenium		0.78	J	0.48	4.8
Silver		0.52	J	0.24	0.72
Sodium		79.9	J	15.6	168
Thallium		ND		0.36	7.2
Vanadium		33.4 J		0.13	0.60
Zinc		63.3 JH	B	0.18	2.4

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5955 g
Analysis Date:	04/30/2014 1403			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155	All target analytes should be qualified as estimated.			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.076		0.010	0.026

Client: Sterling Environmental Engineering PC | Job Number: 480-58808-1

Client Sample ID: **SS-5B**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-11 | Date Sampled: 04/25/2014 0935

Client Matrix: Solid | % Moisture: 14.1 | Date Received: 04/28/2014 0930

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-179384	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-178915	Lab File ID:	I2043014A-8.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4998 g
Analysis Date:	04/30/2014 2018			Final Weight/Volume:	50 mL
Prep Date:	04/29/2014 1615				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8740 JH		5.1	11.6
Antimony		ND		0.47	17.5
Arsenic		1.6	J	0.47	2.3
Barium		77.7 JH		0.13	0.58
Beryllium		0.33 JH		0.033	0.23
Cadmium		0.044	J	0.035	0.23
Calcium		1550		3.8	58.2
Chromium		17.2		0.23	0.58
Cobalt		7.6		0.058	0.58
Copper		16.0		0.24	1.2
Iron		14200		1.3	11.6
Lead		8.4		0.28	1.2
Magnesium		4220 JH	B	1.1	23.3
Manganese		301		0.037	0.23
Nickel		16.3		0.27	5.8
Potassium		2750		23.3	34.9
Selenium		ND		0.47	4.7
Silver		ND		0.23	0.70
Sodium		86.7	J	15.1	163
Thallium		ND		0.35	7.0
Vanadium		25.4		0.13	0.58
Zinc		38.2 JH	B	0.18	2.3

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	480-179262	Instrument ID:	LEEMAN3
Prep Method:	7471B	Prep Batch:	480-179092	Lab File ID:	J04304S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6092 g
Analysis Date:	04/30/2014 1412			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1155				

All target analytes should be qualified as estimated.

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.026 J		0.0093	0.023

General Chemistry

Client Sample ID: **DUP 2**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-1 Date Sampled: 04/25/2014 0000

Client Matrix: Solid % Moisture: 21.3 Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.34	1.0	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0751						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	ND		mg/Kg	0.60	1.2	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1451						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	20.7	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **DUP 4** All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-2 Date Sampled: 04/25/2014 0000

Client Matrix: Solid % Moisture: 11.4 Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.30	0.90	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0752						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	ND		mg/Kg	0.53	1.1	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1453						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	21.3	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **DUP 5**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-3 Date Sampled: 04/25/2014 1105

Client Matrix: Solid % Moisture: 15.0 Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.32	0.94	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0753						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	~~0.64~~ 1.1	~~J~~ B U	mg/Kg	0.52	1.1	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1454						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	8.4	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **P2-1(S)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-4 Date Sampled: 04/25/2014 1250

Client Matrix: Solid % Moisture: 13.8 Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.78	J	mg/Kg	0.31	0.93	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0754						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	ND		mg/Kg	0.53	1.1	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1455						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	16.8	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **P2-1(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-5 Date Sampled: 04/25/2014 1100

Client Matrix: Solid % Moisture: 12.8 Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.31	0.92	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0804						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	~~0.69~~ 1.1	~~J~~ B U	mg/Kg	0.54	1.1	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1500						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	8.4	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **P2-2(S)**

Lab Sample ID: 480-58808-6 All target analytes should be qualified as estimated. Date Sampled: 04/25/2014 1355

Client Matrix: Solid % Moisture: 13.3 Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.76	J	mg/Kg	0.31	0.92	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0806						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	ND		mg/Kg	0.55	1.1	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1507						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	17.7	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **P2-2(Sed)**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-7 Date Sampled: 04/25/2014 1300

Client Matrix: Solid % Moisture: 16.2 Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.64	J	mg/Kg	0.32	0.95	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0808						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	ND		mg/Kg	0.57	1.2	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1508						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	8.9	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-11A**

Lab Sample ID: 480-58808-8
Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 10.0

Date Sampled: 04/25/2014 1400
Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.30	0.89	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0809						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	ND		mg/Kg	0.53	1.1	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1510						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	15.0	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-11B**

Lab Sample ID: 480-58808-9
Client Matrix: Solid

All target analytes should be qualified as estimated.

% Moisture: 27.6

Date Sampled: 04/25/2014 1300
Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.46	J	mg/Kg	0.37	1.1	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0812						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	ND		mg/Kg	0.64	1.3	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1511						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	32.1	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	28		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	72		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-5A**

All target analytes should be qualified as estimated.

Lab Sample ID: 480-58808-10 Date Sampled: 04/25/2014 1050

Client Matrix: Solid % Moisture: 21.4 Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.47	J	mg/Kg	0.34	1.0	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0814						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	ND		mg/Kg	0.61	1.3	1.0	9012B
Analysis Batch: 480-180362	Analysis Date: 05/06/2014 1031						DryWt Corrected: Y
Prep Batch: 480-180223	Prep Date: 05/05/2014 1940						
Cr (III)	21.8	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1632						DryWt Corrected: N
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1632						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-5B**

Lab Sample ID: 480-58808-11 All target analytes should be qualified as estimated. Date Sampled: 04/25/2014 0935

Client Matrix: Solid % Moisture: 14.1 Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.48	J	mg/Kg	0.31	0.93	1.0	7196A
Analysis Batch: 240-129608	Analysis Date: 05/07/2014 0826						DryWt Corrected: Y
Prep Batch: 240-129456	Prep Date: 05/06/2014 1019						
Cyanide, Total	~~0.62~~ 1.1	~~J~~ B U	mg/Kg	0.54	1.1	1.0	9012B
Analysis Batch: 480-179801	Analysis Date: 05/02/2014 1516						DryWt Corrected: Y
Prep Batch: 480-179558	Prep Date: 05/01/2014 1710						
Cr (III)	16.7	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-181641	Analysis Date: 05/13/2014 0834						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1632						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1632						DryWt Corrected: N

General Chemistry

Client Sample ID: **DUP-2**

Lab Sample ID: 480-59388-1 Date Sampled: 05/06/2014 0000

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	36		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N
Percent Solids	64		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N

General Chemistry

Client Sample ID: **DUP-4**

Lab Sample ID: 480-59388-2 Date Sampled: 05/06/2014 0000

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N

General Chemistry

Client Sample ID: **DUP-5**

Lab Sample ID: 480-59388-3 Date Sampled: 05/06/2014 0000

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N

General Chemistry

Client Sample ID: **P2-1 (S)**

Lab Sample ID: 480-59388-4 Date Sampled: 05/06/2014 1030

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N

General Chemistry

Client Sample ID: **P2-2 (SED)**

Lab Sample ID: 480-59388-5 Date Sampled: 05/06/2014 1105

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N

General Chemistry

Client Sample ID: **P2-2 (S)**

Lab Sample ID: 480-59388-6 Date Sampled: 05/06/2014 0000

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-11B**

Lab Sample ID: 480-59388-7 Date Sampled: 05/06/2014 1210

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N
Percent Solids	76		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0352						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-11A**

Lab Sample ID: 480-59388-8 Date Sampled: 05/06/2014 1155

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	34		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0355						DryWt Corrected: N
Percent Solids	66		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0355						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-5A**

Lab Sample ID: 480-59388-9 Date Sampled: 05/06/2014 1120

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0355						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0355						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-5B**

Lab Sample ID: 480-59388-10 Date Sampled: 05/06/2014 1140

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0355						DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0355						DryWt Corrected: N

General Chemistry

Client Sample ID: **P2-1 (SED)**

Lab Sample ID: 480-59388-12 Date Sampled: 05/06/2014 1000

Client Matrix: Solid Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0355						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-180782	Analysis Date: 05/08/2014 0355						DryWt Corrected: N

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F8430.D

Lab ID: 480-59388-4 MS Client ID: P2-1 (S) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	60.1	ND	51.6	86	73-126	
1,1-Dichloroethene	60.1	ND	54.4	91	59-125	
1,2-Dichlorobenzene	60.1	ND	51.3	85	75-120	
1,2-Dichloroethane	60.1	ND	45.6	76	77-122	F1
Benzene	60.1	ND	53.7	89	79-127	
Chlorobenzene	60.1	ND	56.0	93	76-124	
cis-1,2-Dichloroethene	60.1	ND	54.5	91	81-117	
Ethylbenzene	60.1	ND	55.9	93	80-120	
Methyl tert-butyl ether	60.1	ND	48.3	80	63-125	
Tetrachloroethene	60.1	ND	57.0	95	74-122	
Toluene	60.1	ND	56.4	94	74-128	
trans-1,2-Dichloroethene	60.1	ND	54.7	91	78-126	
Trichloroethene	60.1	ND	52.5	87	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F8436.D

Lab ID: 480-59388-9 MS Client ID: SS-5A MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	65.5	ND	49.5	76	73-126	
1,1-Dichloroethene	65.5	ND	46.0	70	59-125	
1,2-Dichlorobenzene	65.5	ND	32.8	50	75-120	F1
1,2-Dichloroethane	65.5	ND	45.4	69	77-122	F1
Benzene	65.5	ND	49.9	76	79-127	F1
Chlorobenzene	65.5	ND	46.2	71	76-124	F1
cis-1,2-Dichloroethene	65.5	ND	51.5	79	81-117	F1
Ethylbenzene	65.5	ND	44.8	68	80-120	F1
Methyl tert-butyl ether	65.5	ND	50.9	78	63-125	
Tetrachloroethene	65.5	ND	43.9	67	74-122	F1
Toluene	65.5	ND	50.1	76	74-128	
trans-1,2-Dichloroethene	65.5	ND	48.7	74	78-126	F1
Trichloroethene	65.5	ND	44.6	68	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F8393.D

Lab ID: 480-59388-12 MS Client ID: P2-1 (SED) MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	33.8	ND	25.7	76	73-126	
1,1-Dichloroethene	33.8	ND	25.9	77	59-125	
1,2-Dichlorobenzene	33.8	ND	15.4	46	75-120	F1
1,2-Dichloroethane	33.8	ND	24.6	73	77-122	F1
Benzene	33.8	ND	25.9	76	79-127	F1
Chlorobenzene	33.8	ND	21.2	63	76-124	F1
cis-1,2-Dichloroethene	33.8	ND	26.6	78	81-117	F1
Ethylbenzene	33.8	ND	20.1	59	80-120	F1
Methyl tert-butyl ether	33.8	ND	28.0	83	63-125	
Tetrachloroethene	33.8	ND	19.4	57	74-122	F1
Toluene	33.8	ND	23.1	68	74-128	F1
trans-1,2-Dichloroethene	33.8	ND	26.3	78	78-126	
Trichloroethene	33.8	ND	23.6	70	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F8431.D

Lab ID: 480-59388-4 MSD Client ID: P2-1 (S) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	62.1	51.4	83	0	30	73-126	
1,1-Dichloroethene	62.1	53.6	86	1	30	59-125	
1,2-Dichlorobenzene	62.1	50.7	82	1	30	75-120	
1,2-Dichloroethane	62.1	45.1	73	1	30	77-122	F1
Benzene	62.1	54.0	87	1	30	79-127	
Chlorobenzene	62.1	56.2	90	0	30	76-124	
cis-1,2-Dichloroethene	62.1	54.7	88	0	30	81-117	
Ethylbenzene	62.1	56.3	91	1	30	80-120	
Methyl tert-butyl ether	62.1	48.1	77	0	30	63-125	
Tetrachloroethene	62.1	56.8	91	0	30	74-122	
Toluene	62.1	57.9	93	3	30	74-128	
trans-1,2-Dichloroethene	62.1	55.0	89	0	30	78-126	
Trichloroethene	62.1	52.5	85	0	30	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F8437.D

Lab ID: 480-59388-9 MSD Client ID: SS-5A MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	68.6	48.4	71	2	30	73-126	F1
1,1-Dichloroethene	68.6	42.9	62	7	30	59-125	
1,2-Dichlorobenzene	68.6	35.1	51	7	30	75-120	F1
1,2-Dichloroethane	68.6	46.4	68	2	30	77-122	F1
Benzene	68.6	49.0	72	2	30	79-127	F1
Chlorobenzene	68.6	46.3	68	0	30	76-124	F1
cis-1,2-Dichloroethene	68.6	50.7	74	2	30	81-117	F1
Ethylbenzene	68.6	44.5	65	1	30	80-120	F1
Methyl tert-butyl ether	68.6	52.2	76	2	30	63-125	
Tetrachloroethene	68.6	42.5	62	3	30	74-122	F1
Toluene	68.6	48.9	71	2	30	74-128	F1
trans-1,2-Dichloroethene	68.6	47.6	69	2	30	78-126	F1
Trichloroethene	68.6	43.4	63	3	30	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F8394.D

Lab ID: 480-59388-12 MSD Client ID: P2-1 (SED) MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	28.1	23.7	84	8	30	73-126	
1,1-Dichloroethene	28.1	23.8	85	9	30	59-125	
1,2-Dichlorobenzene	28.1	16.5	59	6	30	75-120	F1
1,2-Dichloroethane	28.1	21.8	78	12	30	77-122	
Benzene	28.1	24.6	88	5	30	79-127	
Chlorobenzene	28.1	21.6	77	2	30	76-124	
cis-1,2-Dichloroethene	28.1	25.2	90	5	30	81-117	
Ethylbenzene	28.1	20.7	74	3	30	80-120	F1
Methyl tert-butyl ether	28.1	24.3	87	14	30	63-125	
Tetrachloroethene	28.1	20.0	71	3	30	74-122	F1
Toluene	28.1	22.7	81	2	30	74-128	
trans-1,2-Dichloroethene	28.1	24.7	88	6	30	78-126	
Trichloroethene	28.1	22.8	81	3	30	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1 Analy Batch No.: 175032

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/10/2014 17:45 Calibration End Date: 04/10/2014 20:03 Calibration ID: 18027

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	0.7098 0.9188	0.7890 0.9106	0.8121		0.8909	Ave		0.8385			0.1000	9.8		20.0			
Allyl chloride	0.6455 0.7274	0.6745 0.7200	0.6453		0.7212	Ave		0.6890				5.6		20.0			
Methyl acetate	0.4385 0.4390	0.4404 0.4211	0.4275		0.4281	Ave		0.4324			0.1000	1.8		20.0			
Methylene Chloride	0.5243 0.3482	0.3919 0.3338	0.3527		0.3455	Ave		0.3827			0.1000	19.0		20.0			
2-Methyl-2-propanol	0.0394 0.0583	0.0483 0.0619	0.0446		0.0556	Ave		0.0513				17.0		20.0			
Methyl tert-butyl ether	0.8686 0.9004	0.8793 0.8972	0.8541		0.8755	Ave		0.8792			0.1000	2.0		20.0			
trans-1,2-Dichloroethene	0.2658 0.2943	0.2856 0.2843	0.2865		0.2880	Ave		0.2841			0.1000	3.4		20.0			
Acrylonitrile	0.2184 0.2244	0.2229 0.2129	0.2163	0.2203	0.2180	Ave		0.2190				1.8		20.0			
Hexane	0.6609 0.6351	0.6090 0.6056	0.5922		0.6336	Ave		0.6227				4.0		20.0			
1,1-Dichloroethane	0.5361 0.5864	0.5651 0.5539	0.5503		0.5646	Ave		0.5594			0.2000	3.0		20.0			
Vinyl acetate	0.7536 0.9569	0.7943 0.9349	0.8361		0.8956	Ave		0.8619				9.3		20.0			
2,2-Dichloropropane	0.1605 0.1721	0.1497 0.1651	0.1458		0.1624	Ave		0.1593				6.2		20.0			
cis-1,2-Dichloroethene	0.2986 0.2913	0.2721 0.2798	0.2791		0.2822	Ave		0.2838			0.1000	3.4		20.0			
2-Butanone (MEK)	0.2515 0.2808	0.2666 0.2717	0.2632		0.2693	Ave		0.2672			0.1000	3.6		20.0			
Chlorobromomethane	0.1433 0.1387	0.1323 0.1327	0.1295		0.1340	Ave		0.1351				3.7		20.0			
Tetrahydrofuran	0.2192 0.1966	0.1997 0.1963	0.1814		0.1889	Ave		0.1970				6.4		20.0			
Chloroform	0.3249 0.2982	0.2848 0.2905	0.2754		0.2918	Ave		0.2943			0.2000	5.7		20.0			
1,1,1-Trichloroethane	0.2404 0.3214	0.2796 0.3252	0.2734		0.3072	Ave		0.2912			0.1000	11.0		20.0			
Cyclohexane	0.8275 0.9015	0.8315 0.8672	0.8491		0.8808	Ave		0.8596			0.1000	3.4		20.0			
Carbon tetrachloride	0.2143 0.2949	0.2309 0.3097	0.2280		0.2562	Ave		0.2557			0.1000	15.0		20.0			

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

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-CLPI ID: 0.53 (mm) GC Column (2): RTX-CLPII ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCB1	#	DCB2	#
DUP 2	480-58808-1	102		121		159	X	67	
DUP 4	480-58808-2	90		83		102		91	
DUP 5	480-58808-3	69		73		79		83	
P2-1(S)	480-58808-4	89		84		94		91	
P2-1(Sed)	480-58808-5	68		72		86		84	
P2-2(S)	480-58808-6	83		85		109		102	
P2-2(Sed)	480-58808-7	0	X	0	X	0	X	0	X
SS-11A	480-58808-8	0	X	0	X	0	X	0	X
SS-11B	480-58808-9	69		80		93		88	
SS-5A	480-58808-10	0	X	0	X	142	X	0	X
SS-5B	480-58808-11	68		72		88		85	
	MB 480-178840/1-A	88		82		82		89	
	MB 480-179669/1-A	66		68		70		85	
	LCS 480-178840/2-A	91		82		87		89	
	LCS 480-179669/2-A	65		68		74		87	
P2-1(S) MS	480-58808-4 MS	90		85		96		93	
P2-1(Sed) MS	480-58808-5 MS	70		81		89		83	
SS-11B MS	480-58808-9 MS	66		73		81		85	
SS-5A MS	480-58808-10 MS	0	X	0	X	0	X	0	X
P2-1(S) MSD	480-58808-4 MSD	86		82		102		90	
P2-1(Sed) MSD	480-58808-5 MSD	67		77		84		77	
SS-11B MSD	480-58808-9 MSD	72		80		102		90	
SS-5A MSD	480-58808-10 MSD	0	X	0	X	0	X	0	X

	QC LIMITS
TCX = Tetrachloro-m-xylene	30-124
DCB = DCB Decachlorobiphenyl	32-136

Column to be used to flag recovery values

FORM II 8081B

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 6__16062.D

Lab ID: 480-58808-10 MSD Client ID: SS-5A MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	21.0	14.6 J	70	4	21	26-162	
4,4'-DDE	21.0	17.7 J	84	31	18	34-138	F2
4,4'-DDT	21.0	21.3	71	18	25	43-131	
Aldrin	21.0	15.1 J	72	9	12	37-125	
alpha-BHC	21.0	17.1 J	81	5	15	39-117	
alpha-Chlordane	21.0	15.9 J	76	3	23	29-141	
beta-BHC	21.0	16.7 J	79	41	19	36-139	F2
delta-BHC	21.0	19.1 J	91	8	14	23-132	
Dieldrin	21.0	11.5 J	55	2	12	38-135	
Endosulfan I	21.0	12.8 J	61	4	18	39-128	
Endosulfan II	21.0	11.9 J	57	2	26	24-134	
Endosulfan sulfate	21.0	12.9 J	61	3	35	19-137	
Endrin	21.0	16.0 J	76	6	20	41-147	
Endrin aldehyde	21.0	14.5 J	69	18	47	20-120	
Endrin ketone	21.0	16.8 J	80	17	37	31-139	
gamma-BHC (Lindane)	21.0	16.9 J	80	4	12	50-120	
gamma-Chlordane	21.0	19.4 J	93	8	15	31-140	
Heptachlor	21.0	16.9 J	80	9	22	42-128	
Heptachlor epoxide	21.0	14.9 J	71	0	15	26-141	
Methoxychlor	21.0	22.4	107	10	24	44-157	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: DUP 4 Lab Sample ID: 480-58808-2

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 04/30/2014 12:27 Date Analyzed (2): 04/30/2014 12:27

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
delta-BHC	1		2.93	2.87	2.97	0.45		33.6
	2		3.54	3.52	3.62	0.63		
4,4'-DDE	1		4.21	4.18	4.28	0.50		26.3
	2		5.08	5.05	5.15	0.65		
Endrin ketone	1		6.11	6.06	6.16	0.56		0.4
	2		6.98	6.91	7.01	0.56		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: DUP 5 Lab Sample ID: 480-58808-3

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 05/02/2014 13:52 Date Analyzed (2): 05/02/2014 13:52

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
delta-BHC	1		2.91	2.85	2.95	0.62		36.4
	2		3.28	3.22	3.32	0.43		
4,4'-DDT	1		5.09	5.03	5.13	0.63		34.7
	2		5.64	5.58	5.68	0.89		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: P2-1(S) Lab Sample ID: 480-58808-4

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 04/30/2014 12:45 Date Analyzed (2): 04/30/2014 12:45

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		2.74	2.68	2.78	0.41		27.2
	2		3.24	3.18	3.28	0.53		
beta-BHC	1		2.80	2.74	2.84	0.79		67.7
	2		3.30	3.25	3.35	0.39		
4,4'-DDE	1		4.21	4.18	4.28	0.51		27.9
	2		5.08	5.05	5.15	0.68		
4,4'-DDT	1		5.10	5.07	5.17	0.82		30.1
	2		6.01	5.98	6.08	1.1		
Endrin ketone	1		6.10	6.06	6.16	0.54		10.3
	2		6.97	6.91	7.01	0.60		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: P2-1(Sed) Lab Sample ID: 480-58808-5

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 05/02/2014 14:09 Date Analyzed (2): 05/02/2014 14:09

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
delta-BHC	1		2.91	2.85	2.95	0.90		80.2
	2		3.28	3.22	3.32	0.38		
4,4'-DDE	1		4.20	4.15	4.25	0.40		3.0
	2		4.71	4.65	4.75	0.39		
4,4'-DDT	1		5.08	5.03	5.13	0.60		50.1
	2		5.64	5.58	5.68	1.0		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: P2-2(S) Lab Sample ID: 480-58808-6

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 04/30/2014 13:03 Date Analyzed (2): 04/30/2014 13:03

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		2.74	2.68	2.78	0.42		19.4
	2		3.23	3.18	3.28	0.52		
gamma-Chlordane	1		4.02	3.95	4.05	0.71		11.2
	2		4.74	4.71	4.81	0.63		
4,4'-DDE	1		4.21	4.18	4.28	0.93		18.2
	2		5.08	5.05	5.15	1.1		
Endrin aldehyde	1		5.36	5.34	5.44	0.67		15.8
	2		6.16	6.09	6.19	0.78		
Methoxychlor	1		5.61	5.59	5.69	1.1		30.2
	2		6.73	6.68	6.78	0.84		
Endrin ketone	1		6.12	6.06	6.16	0.96		56.3
	2		6.97	6.91	7.01	0.54		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: SS-11A Lab Sample ID: 480-58808-8

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 05/02/2014 15:40 Date Analyzed (2): 05/02/2014 15:40

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		4.20	4.15	4.25	10		10.9
	2		4.71	4.65	4.75	11		
4,4'-DDT	1		5.09	5.03	5.13	13		7.8
	2		5.64	5.58	5.68	14		
Endrin ketone	1		6.09	6.02	6.12	7.4		36.9
	2		6.50	6.48	6.58	5.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: SS-11B Lab Sample ID: 480-58808-9

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 05/02/2014 15:58 Date Analyzed (2): 05/02/2014 15:58

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		4.20	4.15	4.25	0.75		22.7
	2		4.71	4.65	4.75	0.60		
4,4'-DDT	1		5.09	5.03	5.13	0.82		30.3
	2		5.64	5.58	5.68	1.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: SS-5A Lab Sample ID: 480-58808-10

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 05/02/2014 16:15 Date Analyzed (2): 05/02/2014 16:15

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		5.09	5.03	5.13	6.4		28.3
	2		5.64	5.58	5.68	8.6		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: SS-5A MS Lab Sample ID: 480-58808-10 MS

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 05/02/2014 13:17 Date Analyzed (2): 05/02/2014 13:17

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.48	2.43	2.53	16.2		9.6
	2		2.69	2.64	2.74	17.9		
gamma-BHC (Lindane)	1		2.70	2.65	2.75	16.2		12.6
	2		2.96	2.91	3.01	18.4		
beta-BHC	1		2.77	2.72	2.82	11.0		33.8
	2		3.03	2.98	3.08	15.4		
delta-BHC	1		2.90	2.85	2.95	17.6		8.0
	2		3.27	3.22	3.32	19.1		
Heptachlor	1		3.06	3.02	3.12	15.4		8.8
	2		3.34	3.29	3.39	16.8		
Aldrin	1		3.31	3.26	3.36	16.4		33.4
	2		3.63	3.57	3.67	11.7		
Heptachlor epoxide	1		3.85	3.80	3.90	14.9		0.5
	2		4.17	4.12	4.22	15.0		
gamma-Chlordane	1		3.97	3.92	4.02	18.0		1.9
	2		4.37	4.31	4.41	18.3		
alpha-Chlordane	1		4.10	4.05	4.15	16.4		7.1
	2		4.52	4.46	4.56	17.6		
4,4'-DDE	1		4.19	4.15	4.25	24.2		9.4
	2		4.71	4.65	4.75	26.6		
Endosulfan I	1		4.23	4.18	4.28	13.3		9.2
	2		4.57	4.51	4.61	14.6		
Dieldrin	1		4.47	4.42	4.52	11.8		32.7
	2		4.85	4.80	4.90	16.4		
Endrin	1		4.70	4.65	4.75	15.1		6.2
	2		5.15	5.10	5.20	16.0		
4,4'-DDD	1		4.80	4.75	4.85	15.3		29.9
	2		5.31	5.25	5.35	20.6		
Endosulfan II	1		4.93	4.88	4.98	12.1		3.8
	2		5.37	5.32	5.42	12.6		
4,4'-DDT	1		5.08	5.03	5.13	25.5		6.5
	2		5.63	5.58	5.68	23.9		
Endrin aldehyde	1		5.36	5.31	5.41	12.1		1.8
	2		5.72	5.67	5.77	12.4		
Methoxychlor	1		5.60	5.55	5.65	20.3		29.9
	2		6.34	6.29	6.39	27.5		
Endosulfan sulfate	1		5.80	5.75	5.85	12.5		7.5
	2		6.01	5.96	6.06	13.5		
Endrin ketone	1		6.07	6.02	6.12	19.9		16.5
	2		6.53	6.48	6.58	16.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: SS-5A MSD Lab Sample ID: 480-58808-10 MSD

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 05/02/2014 13:34 Date Analyzed (2): 05/02/2014 13:34

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.48	2.43	2.53	17.1		0.0
	2		2.70	2.64	2.74	17.1		
gamma-BHC (Lindane)	1		2.71	2.65	2.75	16.9		4.0
	2		2.97	2.91	3.01	17.6		
beta-BHC	1		2.77	2.72	2.82	16.7		14.8
	2		3.03	2.98	3.08	14.4		
delta-BHC	1		2.91	2.85	2.95	19.1		3.4
	2		3.27	3.22	3.32	18.5		
Heptachlor	1		3.07	3.02	3.12	16.9		0.1
	2		3.34	3.29	3.39	16.9		
Aldrin	1		3.32	3.26	3.36	15.1		27.7
	2		3.63	3.57	3.67	11.4		
Heptachlor epoxide	1		3.86	3.80	3.90	14.9		7.2
	2		4.17	4.12	4.22	13.9		
gamma-Chlordane	1		3.98	3.92	4.02	19.4		5.5
	2		4.37	4.31	4.41	18.4		
alpha-Chlordane	1		4.11	4.05	4.15	15.9		10.9
	2		4.52	4.46	4.56	17.7		
4,4'-DDE	1		4.20	4.15	4.25	17.7		5.8
	2		4.71	4.65	4.75	18.7		
Endosulfan I	1		4.24	4.18	4.28	12.8		15.1
	2		4.57	4.51	4.61	14.9		
Dieldrin	1		4.48	4.42	4.52	11.5		33.7
	2		4.85	4.80	4.90	16.2		
Endrin	1		4.71	4.65	4.75	16.0		1.6
	2		5.16	5.10	5.20	16.2		
4,4'-DDD	1		4.80	4.75	4.85	14.6		34.2
	2		5.31	5.25	5.35	20.7		
Endosulfan II	1		4.94	4.88	4.98	11.9		3.8
	2		5.38	5.32	5.42	12.4		
4,4'-DDT	1		5.09	5.03	5.13	21.3		4.7
	2		5.64	5.58	5.68	20.4		
Endrin aldehyde	1		5.36	5.31	5.41	14.5		7.1
	2		5.72	5.67	5.77	13.5		
Methoxychlor	1		5.61	5.55	5.65	22.4		36.4
	2		6.35	6.29	6.39	32.4		
Endosulfan sulfate	1		5.80	5.75	5.85	12.9		8.2
	2		6.01	5.96	6.06	14.0		
Endrin ketone	1		6.08	6.02	6.12	16.8		3.0
	2		6.54	6.48	6.58	17.3		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Client Sample ID: SS-5B Lab Sample ID: 480-58808-11

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 05/02/2014 16:33 Date Analyzed (2): 05/02/2014 16:33

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.47	2.43	2.53	0.47		5.9
	2		2.68	2.64	2.74	0.50		
4,4'-DDE	1		4.20	4.15	4.25	0.40		23.1
	2		4.71	4.65	4.75	0.51		
4,4'-DDT	1		5.09	5.03	5.13	0.71		42.4
	2		5.64	5.58	5.68	1.1		

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Lab Sample ID: CCV 480-181960/12 Calibration Date: 05/15/2014 04:23

Instrument ID: HP5890-13 Calib Start Date: 04/08/2014 17:12

GC Column: RTX-CLPII ID: 0.32(mm) Calib End Date: 04/08/2014 20:10

Lab File ID: 13_59087.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1496252		0.278	0.250	11.4	15.0
Dichlorprop	Qua		1671028		0.280	0.250	11.9	15.0
2,4-D	Qua		1901196		0.270	0.250	8.1	15.0
Pentachlorophenol	Lin1		15042284		0.260	0.250	3.9	15.0
Silvex (2,4,5-TP)	Qua		6550420		0.280	0.250	11.8	15.0
2,4,5-T	Qua		6310868		0.272	0.250	8.7	15.0
Dinoseb	Qua		4145428		0.266	0.250	6.5	15.0
Picloram	Qua		4662820		0.264	0.250	5.7	15.0
2,4-Dichlorophenylacetic acid	Qua		1705664		0.288	0.250	15.2*	15.0

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

ICV Source: MEI_10_CCVL_00028 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00028

Analyte	ICVL 480-179384/8 04/30/2014 11:51				CCVL 480-179384/17 04/30/2014 18:33				CCVL 480-179384/27 04/30/2014 19:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.254		0.200	127								
Antimony	0.0202		0.0200	101	0.0198	J	0.0200	99	0.0197	J	0.0200	98
Arsenic	0.0145	J	0.0150	97	0.0149	J	0.0150	99	0.0143	J	0.0150	96
Barium	0.00213		0.00200	107	0.00254		0.00200	127	0.00253		0.00200	127
Beryllium	0.00222		0.00200	111	0.00220		0.00200	110	0.00209		0.00200	105
Cadmium	0.00209		0.00200	105	0.00205		0.00200	103	0.00227		0.00200	114
Calcium	0.504		0.500	101	0.503		0.500	101	0.485	J	0.500	97
Chromium	0.00403		0.00400	101	0.00382	J	0.00400	96	0.00406		0.00400	102
Cobalt	0.00381	J	0.00400	95	0.00391	J	0.00400	98	0.00398	J	0.00400	100
Copper	0.0103		0.0100	103	0.0109		0.0100	109	0.00997	J	0.0100	100
Iron	0.0531		0.0500	106	0.0484	J	0.0500	97	0.0490	J	0.0500	98
Lead	0.0100		0.0100	100	0.0101		0.0100	101	0.0111		0.0100	111
Magnesium	0.205		0.200	103	0.216		0.200	108	0.210		0.200	105
Manganese	0.00313		0.00300	104	0.00310		0.00300	103	0.00320		0.00300	107
Nickel	0.0101		0.0100	101	0.00939	J	0.0100	94	0.00955	J	0.0100	96
Potassium	0.534		0.500	107	0.534		0.500	107	0.485	J	0.500	97
Selenium	0.0264		0.0250	105	0.0258		0.0250	103	0.0240	J	0.0250	96
Silver	0.00629		0.00600	105	0.00543	J	0.00600	91	0.00656		0.00600	109
Sodium	1.02		1.00	102	1.03		1.00	103	0.996	J	1.00	100
Thallium	0.0203		0.0200	101	0.0193	J	0.0200	97	0.0189	J	0.0200	95
Vanadium	0.00521		0.00500	104	0.00400	J	0.00500	80	0.00460	J	0.00500	92
Zinc	0.0104		0.0100	104								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

ICV Source: MEI_10_CCVL_00028 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00028

Analyte	CCVL 480-179384/37 04/30/2014 19:39				CCVL 480-179384/47 04/30/2014 20:13				CCVL 480-179384/52 04/30/2014 20:46			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.213		0.200	106	0.232		0.200	116	0.233		0.200	116
Antimony	0.0181	J	0.0200	91	0.0200		0.0200	100	0.0183	J	0.0200	91
Arsenic	0.0132	J	0.0150	88	0.0143	J	0.0150	95	0.0134	J	0.0150	90
Barium	0.00228		0.00200	114	0.00232		0.00200	116	0.00244		0.00200	122
Beryllium	0.00208		0.00200	104	0.00213		0.00200	107	0.00226		0.00200	113
Cadmium	0.00208		0.00200	104	0.00198	J	0.00200	99	0.00212		0.00200	106
Calcium	0.488	J	0.500	98	0.487	J	0.500	97	0.505		0.500	101
Chromium	0.00405		0.00400	101	0.00415		0.00400	104	0.00413		0.00400	103
Cobalt	0.00388	J	0.00400	97	0.00393	J	0.00400	98	0.00378	J	0.00400	95
Copper	0.00953	J	0.0100	95	0.00938	J	0.0100	94	0.00995	J	0.0100	100
Iron	0.0463	J	0.0500	93	0.0500		0.0500	100	0.0512		0.0500	102
Lead	0.00991	J	0.0100	99	0.0105		0.0100	105	0.00896	J	0.0100	90
Magnesium	0.198	J	0.200	99	0.202		0.200	101	0.209		0.200	104
Manganese	0.00302		0.00300	101	0.00298	J	0.00300	99	0.00307		0.00300	102
Nickel	0.00915	J	0.0100	92	0.00939	J	0.0100	94	0.00960	J	0.0100	96
Potassium	0.470	J	0.500	94	0.476	J	0.500	95	0.533		0.500	107
Selenium	0.0256		0.0250	103	0.0260		0.0250	104	0.0246	J	0.0250	98
Silver	0.00639		0.00600	107	0.00644		0.00600	107	0.00681		0.00600	114
Sodium	1.00		1.00	100	0.995	J	1.00	100	1.07		1.00	107
Thallium	0.0191	J	0.0200	95	0.0184	J	0.0200	92	0.0186	J	0.0200	93
Vanadium	0.00414	J	0.00500	83	0.00498	J	0.00500	100	0.00472	J	0.00500	94
Zinc	0.00989	J	0.0100	99	0.0102		0.0100	102	0.0104		0.0100	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

ICV Source: MEH_HG2_WKG_00626 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00626

Analyte	CCVL 480-179262/36 04/30/2014 14:21											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.000161	J	0.000200	81								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-179384/6 04/30/2014 11:43		CCB 480-179384/16 04/30/2014 18:30		CCB 480-179384/26 04/30/2014 19:03		CCB 480-179384/36 04/30/2014 19:36	
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND						ND	
Antimony	0.020	ND		ND		ND		ND	
Arsenic	0.015	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Beryllium	0.0020	ND		0.000640	J	ND		ND	
Cadmium	0.0020	ND		ND		ND		ND	
Calcium	0.50	ND		0.439	J	ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Cobalt	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Iron	0.050	ND		0.0407	J	ND		ND	
Lead	0.010	ND		ND		ND		ND	
Magnesium	0.20	ND		ND		ND		ND	
Manganese	0.0030	ND		ND		ND		ND	
Nickel	0.010	ND		ND		ND		ND	
Potassium	0.50	ND		ND		ND		ND	
Selenium	0.025	ND		ND		ND		ND	
Silver	0.0060	ND		ND		ND		ND	
Sodium	1.0	ND		ND		ND		ND	
Thallium	0.020	ND		ND		ND		ND	
Vanadium	0.0050	ND		ND		ND		ND	
Zinc	0.010	ND						ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 480-178915/1-A

Instrument Code: ICAP2 Batch No.: 179384

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	ND			6010C
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-41-7	Beryllium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-70-2	Calcium	ND			6010C
7440-47-3	Chromium	ND			6010C
7440-48-4	Cobalt	ND			6010C
7440-50-8	Copper	ND			6010C
7439-89-6	Iron	ND			6010C
7439-92-1	Lead	ND			6010C
7439-95-4	Magnesium	0.975	J		6010C
7439-96-5	Manganese	ND			6010C
7440-02-0	Nickel	ND			6010C
7440-09-7	Potassium	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C
7440-23-5	Sodium	ND			6010C
7440-28-0	Thallium	ND			6010C
7440-62-2	Vanadium	ND			6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 480-178915/1-A

Instrument Code: ICAP1 Batch No.: 179615

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010C
7440-66-6	Zinc	0.228	J		6010C

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: P2-1(S) MS
Lab ID: 480-58808-4 MS
Lab Name: TestAmerica Buffalo
Job No.: 480-58808-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 86.2

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	13540		9130		2350	188	75-125	F1	6010C
Antimony	27.82		ND		47.0	59	75-125	F1	6010C
Arsenic	46.78		2.1	J	47.0	95	75-125		6010C
Barium	161.9		90.1		47.0	153	75-125	F1	6010C
Beryllium	44.51		0.36		47.0	94	75-125		6010C
Cadmium	42.43		0.30		47.0	90	75-125		6010C
Calcium	3570		1270		2350	98	75-125		6010C
Chromium	68.86		17.6		47.0	109	75-125		6010C
Cobalt	53.96		7.1		47.0	100	75-125		6010C
Copper	61.05		16.7		47.0	94	75-125		6010C
Iron	20170		16900		2350	140	75-125	4	6010C
Lead	62.13		20.6		47.0	88	75-125		6010C
Magnesium	6226		3320		2350	124	75-125		6010C
Manganese	431.2		472		47.0	-86	75-125	4	6010C
Nickel	65.61		19.7		47.0	98	75-125		6010C
Potassium	4720		1340		2350	144	75-125	F1	6010C
Selenium	43.02		0.78	J	47.0	90	75-125		6010C
Silver	11.46		0.49	J	11.7	93	75-125		6010C
Sodium	3117		86.4	J	2350	129	75-125	F1	6010C
Thallium	42.73		ND		47.0	91	75-125		6010C
Vanadium	75.54		22.8		47.0	112	75-125		6010C
Zinc	274.6		200		47.0	160	75-125	4	6010C
Mercury	0.617		0.17		0.394	113	80-120		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: P2-1(Sed) MS
Lab ID: 480-58808-5 MS
Lab Name: TestAmerica Buffalo
Job No.: 480-58808-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 87.2

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5765		3730		2280	89	75-125		6010C
Antimony	40.11		ND		45.6	88	75-125		6010C
Arsenic	46.14		0.85	J	45.6	99	75-125		6010C
Barium	106.2		67.7		45.6	84	75-125		6010C
Beryllium	45.81		0.14	J	45.6	100	75-125		6010C
Cadmium	43.71		0.18	J	45.6	96	75-125		6010C
Calcium	2775		1050		2280	76	75-125		6010C
Chromium	51.78		8.4		45.6	95	75-125		6010C
Cobalt	46.78		2.4		45.6	97	75-125		6010C
Copper	58.46		15.5		45.6	94	75-125		6010C
Iron	7703		7620		2280	3	75-125	F1	6010C
Lead	99.99		62.7		45.6	82	75-125		6010C
Magnesium	3773		1890		2280	83	75-125		6010C
Manganese	121.6		65.9		45.6	122	75-125		6010C
Nickel	50.31		6.6		45.6	96	75-125		6010C
Potassium	2889		716		2280	95	75-125		6010C
Selenium	44.73		ND		45.6	98	75-125		6010C
Silver	12.19		1.1		11.4	97	75-125		6010C
Sodium	2272		74.6	J	2280	96	75-125		6010C
Thallium	43.50		ND		45.6	95	75-125		6010C
Vanadium	55.55		12.2		45.6	95	75-125		6010C
Zinc	116.3		81.9		45.6	76	75-125		6010C
Mercury	1.24		0.66		0.363	160	80-120	F1	7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SS-11B MS
Lab ID: 480-58808-9 MS
Lab Name: TestAmerica Buffalo
Job No.: 480-58808-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 72.4

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	15930		20400		2580	-175	75-125	4	6010C
Antimony	26.93		ND		51.6	52	75-125	F1	6010C
Arsenic	52.82		2.5	J	51.6	98	75-125		6010C
Barium	144.8		86.8		51.6	112	75-125		6010C
Beryllium	50.73		0.70		51.6	97	75-125		6010C
Cadmium	48.47		ND		51.6	94	75-125		6010C
Calcium	3726		474		2580	126	75-125	F1	6010C
Chromium	73.30		32.6		51.6	79	75-125		6010C
Cobalt	60.88		9.9		51.6	99	75-125		6010C
Copper	70.63		12.8		51.6	112	75-125		6010C
Iron	21880		25000		2580	-121	75-125	4	6010C
Lead	83.74		10.3		51.6	142	75-125	F1	6010C
Magnesium	7295		4540		2580	107	75-125		6010C
Manganese	391.1		205		51.6	361	75-125	F1	6010C
Nickel	72.18		21.5		51.6	98	75-125		6010C
Potassium	4971		1090		2580	150	75-125	F1	6010C
Selenium	48.94		1.3	J	51.6	92	75-125		6010C
Silver	12.81		0.34	J	12.9	97	75-125		6010C
Sodium	2508		59.0	J	2580	95	75-125		6010C
Thallium	48.88		ND		51.6	95	75-125		6010C
Vanadium	86.92		48.2		51.6	75	75-125		6010C
Zinc	121.7		53.9		51.6	132	75-125	F1	6010C
Mercury	0.574		0.061		0.457	112	80-120		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SS-5A MS
Lab ID: 480-58808-10 MS
Lab Name: TestAmerica Buffalo
Job No.: 480-58808-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 78.6

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	22100		11900		2700	378	75-125	4	6010C
Antimony	26.63		0.49	J	54.0	48	75-125	F1	6010C
Arsenic	53.39		2.6		54.0	94	75-125		6010C
Barium	137.3		84.4		54.0	98	75-125		6010C
Beryllium	52.82		0.46		54.0	97	75-125		6010C
Cadmium	49.58		0.14	J	54.0	92	75-125		6010C
Calcium	2859		1280		2700	58	75-125	F1	6010C
Chromium	81.15		22.3		54.0	109	75-125		6010C
Cobalt	62.05		10.0		54.0	96	75-125		6010C
Copper	64.92		25.3		54.0	73	75-125	F1	6010C
Iron	26190		17800		2700	309	75-125	4	6010C
Lead	62.06		4810		54.0	-8800	75-125	4	6010C
Magnesium	6819		4290		2700	94	75-125		6010C
Manganese	245.2		366		54.0	-223	75-125	4	6010C
Nickel	74.05		19.0		54.0	102	75-125		6010C
Potassium	3526		2350		2700	44	75-125	F1	6010C
Selenium	51.26		0.78	J	54.0	93	75-125		6010C
Silver	13.17		0.52	J	13.5	94	75-125		6010C
Sodium	2570		79.9	J	2700	92	75-125		6010C
Thallium	50.12		ND		54.0	93	75-125		6010C
Vanadium	98.50		33.4		54.0	121	75-125		6010C
Zinc	101.3		63.3		54.0	70	75-125	F1	6010C
Mercury	0.491		0.076		0.424	98	80-120		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: P2-1(S) MSD
Lab ID: 480-58808-4 MSD
Lab Name: TestAmerica Buffalo
Job No.: 480-58808-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 86.2

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	13070		2510	157	75-125	4	20	F1	6010C
Antimony	31.81		50.2	63	75-125	13	20	F1	6010C
Arsenic	49.72		50.2	95	75-125	6	20		6010C
Barium	128.5		50.2	77	75-125	23	20	F2	6010C
Beryllium	47.16		50.2	93	75-125	6	20		6010C
Cadmium	44.97		50.2	89	75-125	6	20		6010C
Calcium	3791		2510	100	75-125	6	20		6010C
Chromium	67.71		50.2	100	75-125	2	20		6010C
Cobalt	55.67		50.2	97	75-125	3	20		6010C
Copper	66.62		50.2	99	75-125	9	20		6010C
Iron	22080		2510	208	75-125	9	20	4	6010C
Lead	61.90		50.2	82	75-125	0	20		6010C
Magnesium	6457		2510	125	75-125	4	20		6010C
Manganese	315.3		50.2	-311	75-125	31	20	4 F2	6010C
Nickel	68.55		50.2	97	75-125	4	20		6010C
Potassium	3644		2510	92	75-125	26	20	F2	6010C
Selenium	45.98		50.2	90	75-125	7	20		6010C
Silver	12.24		12.5	94	75-125	7	20		6010C
Sodium	2345		2510	90	75-125	28	20	F2	6010C
Thallium	45.03		50.2	90	75-125	5	20		6010C
Vanadium	74.57		50.2	103	75-125	1	20		6010C
Zinc	327.9		50.2	256	75-125	18	20	F1	6010C
Mercury	0.743		0.352	162	80-120	19	20	F1	7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: P2-1(Sed) MSD
Lab ID: 480-58808-5 MSD
Lab Name: TestAmerica Buffalo
Job No.: 480-58808-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 87.2

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	5926		2240	98	75-125	3	20		6010C
Antimony	38.20		44.7	85	75-125	5	20		6010C
Arsenic	44.27		44.7	97	75-125	4	20		6010C
Barium	119.1		44.7	115	75-125	12	20		6010C
Beryllium	43.53		44.7	97	75-125	5	20		6010C
Cadmium	41.90		44.7	93	75-125	4	20		6010C
Calcium	2782		2240	77	75-125	0	20		6010C
Chromium	49.95		44.7	93	75-125	4	20		6010C
Cobalt	44.97		44.7	95	75-125	4	20		6010C
Copper	59.42		44.7	98	75-125	2	20		6010C
Iron	8432		2240	36	75-125	9	20	F1	6010C
Lead	97.21		44.7	77	75-125	3	20		6010C
Magnesium	3880		2240	89	75-125	3	20		6010C
Manganese	95.79		44.7	67	75-125	24	20	F1 F2	6010C
Nickel	49.16		44.7	95	75-125	2	20		6010C
Potassium	2626		2240	85	75-125	10	20		6010C
Selenium	42.98		44.7	96	75-125	4	20		6010C
Silver	11.90		11.2	96	75-125	2	20		6010C
Sodium	2153		2240	93	75-125	5	20		6010C
Thallium	41.81		44.7	93	75-125	4	20		6010C
Vanadium	52.29		44.7	90	75-125	6	20		6010C
Zinc	112.6		44.7	69	75-125	3	20	F1	6010C
Mercury	1.38		0.372	192	80-120	10	20	F1	7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: SS-11B MSD
Lab ID: 480-58808-9 MSD
Lab Name: TestAmerica Buffalo
Job No.: 480-58808-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 72.4

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	16130		3040	-142	75-125	1	20	4	6010C
Antimony	38.36		60.8	63	75-125	35	20	F1 F2	6010C
Arsenic	63.39		60.8	100	75-125	18	20		6010C
Barium	156.3		60.8	114	75-125	8	20		6010C
Beryllium	61.60		60.8	100	75-125	19	20		6010C
Cadmium	58.48		60.8	96	75-125	19	20		6010C
Calcium	4278		3040	125	75-125	14	20		6010C
Chromium	83.99		60.8	85	75-125	14	20		6010C
Cobalt	70.52		60.8	100	75-125	15	20		6010C
Copper	81.18		60.8	112	75-125	14	20		6010C
Iron	22240		3040	-91	75-125	2	20	4	6010C
Lead	94.59		60.8	139	75-125	12	20	F1	6010C
Magnesium	7762		3040	106	75-125	6	20		6010C
Manganese	379.3		60.8	287	75-125	3	20	F1	6010C
Nickel	82.22		60.8	100	75-125	13	20		6010C
Potassium	5812		3040	155	75-125	16	20	F1	6010C
Selenium	58.72		60.8	94	75-125	18	20		6010C
Silver	15.73		15.2	101	75-125	20	20		6010C
Sodium	3046		3040	98	75-125	19	20		6010C
Thallium	58.49		60.8	96	75-125	18	20		6010C
Vanadium	98.85		60.8	83	75-125	13	20		6010C
Zinc	133.6		60.8	131	75-125	9	20	F1	6010C
Mercury	0.559		0.445	112	80-120	3	20		7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: SS-5A MSD
Lab ID: 480-58808-10 MSD
Lab Name: TestAmerica Buffalo
Job No.: 480-58808-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 78.6

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	20590		2600	335	75-125	7	20	4	6010C
Antimony	28.45		52.0	54	75-125	7	20	F1	6010C
Arsenic	52.98		52.0	97	75-125	1	20		6010C
Barium	124.4		52.0	77	75-125	10	20		6010C
Beryllium	52.07		52.0	99	75-125	1	20		6010C
Cadmium	48.95		52.0	94	75-125	1	20		6010C
Calcium	2763		2600	57	75-125	3	20	F1	6010C
Chromium	77.91		52.0	107	75-125	4	20		6010C
Cobalt	59.93		52.0	96	75-125	3	20		6010C
Copper	62.76		52.0	72	75-125	3	20	F1	6010C
Iron	23580		2600	221	75-125	10	20	4	6010C
Lead	65.11		52.0	-9131	75-125	5	20	4	6010C
Magnesium	6306		2600	78	75-125	8	20		6010C
Manganese	181.2		52.0	-355	75-125	30	20	4 F2	6010C
Nickel	71.49		52.0	101	75-125	4	20		6010C
Potassium	3366		2600	39	75-125	5	20	F1	6010C
Selenium	50.35		52.0	95	75-125	2	20		6010C
Silver	13.02		13.0	96	75-125	1	20		6010C
Sodium	2534		2600	94	75-125	1	20		6010C
Thallium	49.97		52.0	96	75-125	0	20		6010C
Vanadium	94.77		52.0	118	75-125	4	20		6010C
Zinc	93.87		52.0	59	75-125	8	20	F1	6010C
Mercury	0.485		0.420	98	80-120	1	20		7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: P2-1(S) PDS
Lab ID: 480-58808-4 PDS
Lab Name: TestAmerica Buffalo
Job No.: 480-58808-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10020		9130		1260	70	75-125	W	6010C
Antimony	48.47		ND		50.4	96	75-125		6010C
Arsenic	52.72		2.1	J	50.4	101	75-125		6010C
Barium	109.3		90.1		50.4	38	75-125	W	6010C
Beryllium	50.41		0.36		50.4	99	75-125		6010C
Cadmium	48.84		0.30		50.4	96	75-125		6010C
Calcium	3541		1270		2520	90	75-125		6010C
Chromium	65.45		17.6		50.4	95	75-125		6010C
Cobalt	57.42		7.1		50.4	100	75-125		6010C
Copper	66.73		16.7		50.4	99	75-125		6010C
Iron	17940		16900		2520	43	75-125	W	6010C
Lead	69.92		20.6		50.4	98	75-125		6010C
Magnesium	5610		3320		2520	91	75-125		6010C
Manganese	488.6		472		50.4	34	75-125	W	6010C
Nickel	69.87		19.7		50.4	100	75-125		6010C
Potassium	2490		1340		2520	45	75-125	W	6010C
Selenium	49.98		0.78	J	50.4	98	75-125		6010C
Silver	12.72		0.49	J	12.6	97	75-125		6010C
Sodium	1325		86.4	J	2520	49	75-125	W	6010C
Thallium	49.44		ND		50.4	98	75-125		6010C
Vanadium	72.25		22.8		50.4	98	75-125		6010C
Zinc	212.3		200		25.2	51	75-125	W	6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-58808-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 179801	Date: 05/02/2014 14:44	Prep Batch: 179558	Date: 05/01/2014 17:10				
9012B	MB 480-179558/1-A	Cyanide, Total	0.929	J	mg/Kg	1.0	1
Batch ID: 180362	Date: 05/06/2014 10:25	Prep Batch: 180223	Date: 05/05/2014 19:40				
9012B	MB 480-180223/1-A	Cyanide, Total	ND		mg/Kg	0.95	1