Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Mt. Kisco
TestAmerica SDG#480-58426-1
May 25, 2022
Sampling date: 4/21/2014

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

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 #480-58426-1 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, August 2014) 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	SS-1A	480-58426-1
2	SS-1B	480-58426-2
3	SS-1C	480-58426-3
4	SS-2A	480-58426-4
5	SS-2B	480-58426-5
6	SS-2C	480-58426-6
7	SS-3A	480-58426-7
8	SS-3B	480-58426-8
9	SS-3C	480-58426-9
10	SS-6A	480-58426-10
11	SS-6B	480-58426-11
12	SS-6C	480-58426-12
13	SS-9A	480-58426-13
14	SS-9B	480-58426-14
15	SS-9C	480-58426-15

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.

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.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

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

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

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 except where qualified below in Internal Standard and Initial Calibration.

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 except the area of Chrysene-d_{12} was outside QC limits low in DUSR ID#1, 2, 7-9 and 11-15. The associated target analytes, below, should be qualified as estimated in these samples.

Bis(2-ethylhexyl)phthalate	Pyrene	Butylbenzylphthalate
3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene

The area of Perylene-d_{12} was outside QC limits low in DUSR ID#1, 8, 11-15. The associated target analytes, below, should be qualified as estimated in these samples.

Benzo(g,h,i)perylene	Di-n-octylphthalate	Benzo(b)fluoranthene
Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene
Dibenzo(a,h)anthracene		

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)anthracene was detected in DUP 1(SDG#480-58474-1) but was not detected in DUSR ID#8. Benzo(k)fluoranthene was detected in DUSR ID#8 but was not detected in DUP 1(SDG#480-58474-1).

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

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

ICV instrument	Target Analyte	%D	Qualifier	Associated Sample
HP5973X	Benzaldehyde	58.1	UJ/J	MB/LCS/LCSD 480-177567, 1-15

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 Method Blank, MS/MSD and Compound Quantitation.

Samples: DUSR ID#10, 13 and 14 were diluted due to sample matrix.

Samples: DUSR ID#1, 1MS/MSD, 2, 4, 5 and 7 were diluted due to high concentrations of non-target analytes.

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 except the RPD of alpha-BHC and delta-BHC was outside QC limits between the columns in MB 480-177933/1-A and should be qualified as estimated.
Several target analytes were detected in the blank and should be qualified as estimated in the samples.

Blank ID	Target Analyte	Concentration(ug/kg)	Qualifier	Associated Sample
MB 480-177933	4,4'-DDT	.49	U at RL	5, 7, 8, 11, 12
MB 480-177933	alpha-BHC	.675	U at RL	1, 8, 10-12
MB 480-177933	delta-BHC	.618	U at RL	1-9, 11, 12, 14, 15

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except 4,4'-DDD was detected in DUP 1(SDG#480-58474-1) but was not detected in DUSR ID#8. Dieldrin, Endosulfan II and Heptachlor were detected in DUSR ID#8 but were not detected in DUP 1(SDG#480-58474-1).

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the RPD of Endrin aldehyde was outside QC limits between #1MS and #1MSD and should be qualified as estimated in DUSR ID#1, 1MS/MSD.
The RPD of Endosulfan I was outside QC limits between the columns in #1MS and should be qualified as estimated.
The RPD of 4,4'-DDE, Endrin, 4,4'-DDD and Endrin aldehyde was outside QC limits between the columns in #1MSD 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
alpha-BHC	1, 8, 10-12
delta-BHC	1, 2, 4-8, 11, 12, 14
Endrin	1, 2, 4
4,4'-DDD	1, 2
Endosulfan II	1, 8
4,4'-DDE	3, 5, 6, 14
gamma-BHC	2, 4
4,4'-DDT	7, 8, 11

INITIAL CALIBRATION
All criteria were met.

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 the 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.
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 off the confirmatory column, no further action is required.

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 the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

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 the target analytes was outside QC limits in some of the continuing calibrations and should be qualified as estimated.

Ccal ID	Target Analyte	Column ID	%D	Qualifier	Associated Sample
CCV 480-179501/11	2,4-D	RTX-CLPI	21.7	UJ/J	MB/LCS 480-178946, 1-15
CCV 480-179501/11	2,4,5-TP	RTX-CLPI	17.3	UJ/J	MB/LCS 480-178946, 1-15
CCV 480-179501/22	2,4-D	RTX-CLPI	17.6	UJ/J	7-15

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, Serial Dilution 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 200-71386/49	Fe	61.37 ug/L	JH	1-15
CCB 200-71211/10-A	Hg	.074 ug/L	U at RL	1, 3
CCB 200-71211/10-A	Hg	.074 ug/L	JH	2, 4-6
MB 200-71211	Hg	.015 mg/kg	U at RL	1, 3, 14, 15
MB 200-71211	Hg	.015 mg/kg	JH	2, 4-13
MB 200-71212	Zn	.555 mg/kg	JH	1-15

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 15MS	PDS	RPD 15DU	Qualifier	Associated Sample
Sb	47	-	-	UJ/J	15
Cu	66	Low	-	UJ/JL	15
Mg	32	-	-	UJ/J	15
Ni	74	-	-	UJ/J	15
K	61	-	22	UJ/J	15
Se	73	-	-	UJ/J	15
Zn	66	-	-	UJ/J	15
Mn	-	-	28	UJ/J	15

FIELD DUPLICATE

All criteria were met except Na was detected in DUSR ID#8 but were not detected in DUP 1(SDG#480-58474-1).

SERIAL DILUTION

All criteria were met except the %D of Cr, Co, Fe, Mn, Ni, V and Zn was outside QC limits in #15SD and should be qualified as estimated in DUSR ID#15.

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 200-71386/8	Al	113	JH	LCS 200-71212, 1-15
CCVL 200-71386/35	Fe	127	JH	LCS 200-71212, 1-8
CCVL 200-71386/48	Al	111	JH	LCS 200-71212, 1-15
CCVL 200-71386/48	As	112	JH	LCS 200-71212, 1-15, 15DU
CCVL 200-71386/48	Fe	111	UJ/J	LCS 200-71212, 1-15, 15DU
CCVL 200-71386/61	As	81	UJ/J	9-15, 15MS, 15DU
CCVL 200-71386/61	Fe	287	JH	9-15, 15MS, 15DU
CCVL 200-71386/61	Mn	127	JH	9-15, 15MS, 15DU
CCVL 200-71386/74	As	80	J	15MS
CCVL 200-71386/74	Fe	155	JH	15MS
CCVL 200-71386/74	Mn	112	JH	15MS
ICVL 200-71449/8	Al	112	JH	15MS, 15DU
CCVL 200-71449/26	Al	124	JH	15MS, 15DU
CCVL 200-71449/26	Be	117	UJ/J	15MS, 15DU

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 the RPD of Cn was outside QC limits between DUSR ID#11 and 11DU and should be qualified as estimated.
Cyanide was detected in DUSR ID#8 but was not detected in DUP 1(SDG#480-58474-1).

HEXAVALENT CHROMIUM
All criteria were met except Hexavalent chromium was detected in DUSR ID#8 but was not detected in DUP 1(SDG#480-58474-1).

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.

Job Narrative
480-58426-1

Comments
No additional comments.

Receipt
The samples were received on 4/22/2014 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.7º C, 4.1º C and 4.3º C.

GC/MS VOA
Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 177567 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 laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for batch 177567 recovered outside control limits for the following analytes: Cyclohexane. These were not requested spike compounds; therefore, the data have been qualified and reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: Internal standard responses were outside of acceptance limits for the following samples: SS-1A (480-58426-1), SS-1B (480-58426-2), SS-3A (480-58426-7), SS-3B (480-58426-8), SS-3C (480-58426-9). The samples shows evidence of matrix interference. There were no detections for any target analyte associated with the failing internal standards that was above the reporting limit, therefore the data has been reported.

Method(s) 8270D: Internal standard responses were outside of acceptance limits for the following samples: SS-6B (480-58426-11), SS-6C (480-58426-12), SS-9A (480-58426-13), SS-9B (480-58426-14), SS-9C (480-58426-15). The samples shows evidence of matrix interference. There were no detections for any target analyte associated with the failing internal standards that was above the reporting limit, therefore the data has been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081B: The matrix spike duplicate (MSD) recoveries for batch 177933 was outside control limits.

Method(s) 8081B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 177933 was outside control limits.

Method(s) 8081B: The following samples were diluted due to the abundance of non-target analytes: (480-58426-1 MS), (480-58426-1 MSD), SS-1A (480-58426-1), SS-1B (480-58426-2), SS-2A (480-58426-4), SS-2B (480-58426-5), SS-3A (480-58426-7). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: SS-6A (480-58426-10), SS-6C (480-58426-12). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: SS-9B (480-58426-14). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix : SS-9A (480-58426-13). 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.

Method(s) 8081B: The method blank MB 480-177933/1-A contained multiple analytes above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Tetrachloro-m-xylene was decreased and slightly exceeded 20%, indicating a low bias. (CCV 480-177906/22), (CCV 480-177906/34), (CCV 480-177906/44)

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

Method(s) 8151A: The continuing calibration verifications (CCV) (CCV 480-179501/11), (CCV 480-179501/22) recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

No other analytical or quality issues were noted.

Metals
Method(s) 6010C: The serial dilution performed for the following sample(s) associated with batch 71386 was outside control limits for Co, Cr, Fe, Mn, Ni, V and Zn: (480-58426-15 SD), SS-9C (480-58426-15)

Method(s) 6010C: The post digestion spike % recovery for Ag, As, Cd, Co, Cr, Cu, Ni, Sb, Se, V and Zn associated with batch 71386 was outside of control limits.

Method(s) 6010C: The sample duplicate (DUP) precision for batch 71386 was outside control limits for Mn. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

Method(s) 6010C: The matrix spike (MS) recoveries for batch 71386 were outside control limits for As, Cd, Cu, Ni, Pb, Sb, Se, V and Zn. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. Data flagged with an "F1" to not acceptance range outages.

The presence of "4" flags on Fe and Mn indicated that the parent result was at least 4X greater than the Matrix spike added.

Method(s) 6010C: The low level continuing calibration verification (CCVL) associated with batch 71386 recovered above the upper control limit for Fe. The results for samples associated with this CCVL were greater than the CCV, and all associated CCV's were found to be in control; therefore, the data have been reported. The following samples are impacted: (480-58426-15 DU), (480-58426-15 MS), (480-58426-15 PDS), (480-58426-15 SD), (CCVL 200-71386/61), (CCVL 200-71386/74), SS-3C (480-58426-9), SS-6A (480-58426-10), SS-6B (480-58426-11), SS-6C (480-58426-12), SS-9A (480-58426-13), SS-9B (480-58426-14), SS-9C (480-58426-15).

Method(s) 6010C: The serial dilution performed for the following sample associated with batch 71449 was outside control limits for Al, Ba, K and Mg: (480-58426-15 SD), SS-9C (480-58426-15)

Method(s) 6010C: The post digestion spike % recovery for Ba and Be associated with batch 71449 was outside of control limits.

Method(s) 6010C: The sample duplicate (DUP) precision for batch 71449 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method(s) 6010C: The matrix spike (MS) recoveries for batch 71449 were outside acceptance control limits for K and Mg. The presence of a "4" flag for Al indicated that the parent result was at least 4X greater than the matrix spike added. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 6010C: Due to sample matrix effect on the internal standard (ISTD) Y3, in batch 71449 associated element results for Al, Ba, Be, Ca, K, Mg and Na were reported from a 1:2 dilution for the following sample(s): (480-58426-15 DU), (480-58426-15 MS), (480-58426-15 PDS), (480-58426-15 SD), SS-9C (480-58426-15). RL's were elevated to reflect the dilution applied.

Method(s) 7471B: The sample duplicate (DUP) precision for batch 71246 was outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

No other analytical or quality issues were noted.

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

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

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1 | Date Sampled: 04/21/2014 1015
Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7797.D
Dilution:	1.0			Initial Weight/Volume:	6.28 g
Analysis Date:	04/23/2014 0335			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.34	4.6
1,1,2,2-Tetrachloroethane		ND		0.75	4.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.6
1,1,2-Trichloroethane		ND		0.60	4.6
1,1-Dichloroethane		ND		0.56	4.6
1,1-Dichloroethene		ND		0.57	4.6
1,2,4-Trichlorobenzene		ND		0.28	4.6
1,2-Dibromo-3-Chloropropane		ND		2.3	4.6
1,2-Dibromoethane		ND		0.59	4.6
1,2-Dichlorobenzene		ND		0.36	4.6
1,2-Dichloroethane		ND		0.23	4.6
1,2-Dichloropropane		ND		2.3	4.6
1,3-Dichlorobenzene		ND		0.24	4.6
1,4-Dichlorobenzene		ND		0.65	4.6
2-Butanone (MEK)		ND		1.7	23
2-Hexanone		ND		2.3	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.9	23
Benzene		ND		0.23	4.6
Bromodichloromethane		ND		0.62	4.6
Bromoform		ND		2.3	4.6
Bromomethane		ND		0.42	4.6
Carbon disulfide		ND		2.3	4.6
Carbon tetrachloride		ND		0.45	4.6
Chlorobenzene		ND		0.61	4.6
Chloroethane		ND		1.0	4.6
Chloroform		ND		0.29	4.6
Chloromethane		ND		0.28	4.6
cis-1,2-Dichloroethene		ND		0.59	4.6
cis-1,3-Dichloropropene		ND		0.67	4.6
Cyclohexane		ND	*	0.65	4.6
Dibromochloromethane		ND		0.59	4.6
Dichlorodifluoromethane		ND		0.38	4.6
Ethylbenzene		ND		0.32	4.6
Isopropylbenzene		ND		0.70	4.6
Methyl acetate		ND		2.8	4.6
Methyl tert-butyl ether		ND		0.45	4.6
Methylcyclohexane		ND		0.70	4.6
Methylene Chloride		ND		2.1	4.6
Styrene		ND		0.23	4.6
Tetrachloroethene		ND		0.62	4.6
Toluene		ND		0.35	4.6
trans-1,2-Dichloroethene		ND		0.48	4.6
trans-1,3-Dichloropropene		ND		2.0	4.6
Trichloroethene		ND		1.0	4.6
Trichlorofluoromethane		ND		0.44	4.6

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1 | Date Sampled: 04/21/2014 1015
Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7797.D
Dilution:	1.0			Initial Weight/Volume:	6.28 g
Analysis Date:	04/23/2014 0335			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.56	4.6
Xylenes, Total		ND		0.78	9.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
4-Bromofluorobenzene (Surr)	104		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2 | Date Sampled: 04/21/2014 1030
Client Matrix: Solid | % Moisture: 15.4 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7798.D
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Analysis Date:	04/23/2014 0400			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

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		0.80	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	5.0
1,1,2-Trichloroethane		ND		0.64	5.0
1,1-Dichloroethane		ND		0.60	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		0.25	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		0.66	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		0.65	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		0.63	5.0
cis-1,3-Dichloropropene		ND		0.71	5.0
Cyclohexane		ND	*	0.69	5.0
Dibromochloromethane		ND		0.63	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		ND		0.67	5.0
Toluene		ND		0.37	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: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2 | Date Sampled: 04/21/2014 1030
Client Matrix: Solid | % Moisture: 15.4 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7798.D
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Analysis Date:	04/23/2014 0400			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.60	5.0
Xylenes, Total		ND		0.83	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3 | Date Sampled: 04/21/2014 1000
Client Matrix: Solid | % Moisture: 16.9 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7799.D
Dilution:	1.0			Initial Weight/Volume:	5.81 g
Analysis Date:	04/23/2014 0426			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND		0.84	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND		0.67	5.2
1,1-Dichloroethane		ND		0.63	5.2
1,1-Dichloroethene		ND		0.63	5.2
1,2,4-Trichlorobenzene		ND		0.31	5.2
1,2-Dibromo-3-Chloropropane		ND		2.6	5.2
1,2-Dibromoethane		ND		0.66	5.2
1,2-Dichlorobenzene		ND		0.40	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND		0.27	5.2
1,4-Dichlorobenzene		ND		0.73	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		ND		4.4	26
Benzene		ND		0.25	5.2
Bromodichloromethane		ND		0.69	5.2
Bromoform		ND		2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.50	5.2
Chlorobenzene		ND		0.68	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.31	5.2
cis-1,2-Dichloroethene		ND		0.66	5.2
cis-1,3-Dichloropropene		ND		0.75	5.2
Cyclohexane		ND	*	0.73	5.2
Dibromochloromethane		ND		0.66	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND		0.36	5.2
Isopropylbenzene		ND		0.78	5.2
Methyl acetate		ND		3.1	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.79	5.2
Methylene Chloride		ND		2.4	5.2
Styrene		ND		0.26	5.2
Tetrachloroethene		ND		0.69	5.2
Toluene		ND		0.39	5.2
trans-1,2-Dichloroethene		ND		0.53	5.2
trans-1,3-Dichloropropene		ND		2.3	5.2
Trichloroethene		ND		1.1	5.2
Trichlorofluoromethane		ND		0.49	5.2

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3 | Date Sampled: 04/21/2014 1000
Client Matrix: Solid | % Moisture: 16.9 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7799.D
Dilution:	1.0			Initial Weight/Volume:	5.81 g
Analysis Date:	04/23/2014 0426			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.63	5.2
Xylenes, Total		ND		0.87	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
4-Bromofluorobenzene (Surr)	104		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4 | Date Sampled: 04/21/2014 1120
Client Matrix: Solid | % Moisture: 21.3 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7800.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	04/23/2014 0452			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.46	6.3
1,1,2,2-Tetrachloroethane		ND		1.0	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	6.3
1,1,2-Trichloroethane		ND		0.82	6.3
1,1-Dichloroethane		ND		0.77	6.3
1,1-Dichloroethene		ND		0.77	6.3
1,2,4-Trichlorobenzene		ND		0.38	6.3
1,2-Dibromo-3-Chloropropane		ND		3.2	6.3
1,2-Dibromoethane		ND		0.81	6.3
1,2-Dichlorobenzene		ND		0.49	6.3
1,2-Dichloroethane		ND		0.32	6.3
1,2-Dichloropropane		ND		3.2	6.3
1,3-Dichlorobenzene		ND		0.33	6.3
1,4-Dichlorobenzene		ND		0.89	6.3
2-Butanone (MEK)		ND		2.3	32
2-Hexanone		ND		3.2	32
4-Methyl-2-pentanone (MIBK)		ND		2.1	32
Acetone		ND		5.3	32
Benzene		ND		0.31	6.3
Bromodichloromethane		ND		0.85	6.3
Bromoform		ND		3.2	6.3
Bromomethane		ND		0.57	6.3
Carbon disulfide		ND		3.2	6.3
Carbon tetrachloride		ND		0.61	6.3
Chlorobenzene		ND		0.84	6.3
Chloroethane		ND		1.4	6.3
Chloroform		ND		0.39	6.3
Chloromethane		ND		0.38	6.3
cis-1,2-Dichloroethene		ND		0.81	6.3
cis-1,3-Dichloropropene		ND		0.91	6.3
Cyclohexane		ND	*	0.89	6.3
Dibromochloromethane		ND		0.81	6.3
Dichlorodifluoromethane		ND		0.52	6.3
Ethylbenzene		ND		0.44	6.3
Isopropylbenzene		ND		0.95	6.3
Methyl acetate		ND		3.8	6.3
Methyl tert-butyl ether		ND		0.62	6.3
Methylcyclohexane		ND		0.96	6.3
Methylene Chloride		ND		2.9	6.3
Styrene		ND		0.32	6.3
Tetrachloroethene		ND		0.85	6.3
Toluene		ND		0.48	6.3
trans-1,2-Dichloroethene		ND		0.65	6.3
trans-1,3-Dichloropropene		ND		2.8	6.3
Trichloroethene		ND		1.4	6.3
Trichlorofluoromethane		ND		0.60	6.3

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4 | Date Sampled: 04/21/2014 1120
Client Matrix: Solid | % Moisture: 21.3 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7800.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	04/23/2014 0452			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.77	6.3
Xylenes, Total		ND		1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	104		72 - 126
Toluene-d8 (Surr)	106		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5 | Date Sampled: 04/21/2014 1135
Client Matrix: Solid | % Moisture: 11.6 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7801.D
Dilution:	1.0			Initial Weight/Volume:	6.42 g
Analysis Date:	04/23/2014 0518			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.32	4.4
1,1,2,2-Tetrachloroethane		ND		0.71	4.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	4.4
1,1,2-Trichloroethane		ND		0.57	4.4
1,1-Dichloroethane		ND		0.54	4.4
1,1-Dichloroethene		ND		0.54	4.4
1,2,4-Trichlorobenzene		ND		0.27	4.4
1,2-Dibromo-3-Chloropropane		ND		2.2	4.4
1,2-Dibromoethane		ND		0.57	4.4
1,2-Dichlorobenzene		ND		0.34	4.4
1,2-Dichloroethane		ND		0.22	4.4
1,2-Dichloropropane		ND		2.2	4.4
1,3-Dichlorobenzene		ND		0.23	4.4
1,4-Dichlorobenzene		ND		0.62	4.4
2-Butanone (MEK)		ND		1.6	22
2-Hexanone		ND		2.2	22
4-Methyl-2-pentanone (MIBK)		ND		1.4	22
Acetone		ND		3.7	22
Benzene		ND		0.22	4.4
Bromodichloromethane		ND		0.59	4.4
Bromoform		ND		2.2	4.4
Bromomethane		ND		0.40	4.4
Carbon disulfide		ND		2.2	4.4
Carbon tetrachloride		ND		0.43	4.4
Chlorobenzene		ND		0.58	4.4
Chloroethane		ND		1.0	4.4
Chloroform		ND		0.27	4.4
Chloromethane		ND		0.27	4.4
cis-1,2-Dichloroethene		ND		0.56	4.4
cis-1,3-Dichloropropene		ND		0.63	4.4
Cyclohexane		ND	*	0.62	4.4
Dibromochloromethane		ND		0.56	4.4
Dichlorodifluoromethane		ND		0.36	4.4
Ethylbenzene		ND		0.30	4.4
Isopropylbenzene		ND		0.66	4.4
Methyl acetate		ND		2.7	4.4
Methyl tert-butyl ether		ND		0.43	4.4
Methylcyclohexane		ND		0.67	4.4
Methylene Chloride		ND		2.0	4.4
Styrene		ND		0.22	4.4
Tetrachloroethene		ND		0.59	4.4
Toluene		ND		0.33	4.4
trans-1,2-Dichloroethene		ND		0.45	4.4
trans-1,3-Dichloropropene		ND		1.9	4.4
Trichloroethene		ND		0.97	4.4
Trichlorofluoromethane		ND		0.42	4.4

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5 | Date Sampled: 04/21/2014 1135
Client Matrix: Solid | % Moisture: 11.6 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7801.D
Dilution:	1.0			Initial Weight/Volume:	6.42 g
Analysis Date:	04/23/2014 0518			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.54	4.4
Xylenes, Total		ND		0.74	8.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6 | Date Sampled: 04/21/2014 1105
Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7802.D
Dilution:	1.0			Initial Weight/Volume:	6.24 g
Analysis Date:	04/23/2014 0544			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.34	4.6
1,1,2,2-Tetrachloroethane		ND		0.75	4.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.6
1,1,2-Trichloroethane		ND		0.60	4.6
1,1-Dichloroethane		ND		0.57	4.6
1,1-Dichloroethene		ND		0.57	4.6
1,2,4-Trichlorobenzene		ND		0.28	4.6
1,2-Dibromo-3-Chloropropane		ND		2.3	4.6
1,2-Dibromoethane		ND		0.60	4.6
1,2-Dichlorobenzene		ND		0.36	4.6
1,2-Dichloroethane		ND		0.23	4.6
1,2-Dichloropropane		ND		2.3	4.6
1,3-Dichlorobenzene		ND		0.24	4.6
1,4-Dichlorobenzene		ND		0.65	4.6
2-Butanone (MEK)		ND		1.7	23
2-Hexanone		ND		2.3	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.9	23
Benzene		ND		0.23	4.6
Bromodichloromethane		ND		0.62	4.6
Bromoform		ND		2.3	4.6
Bromomethane		ND		0.42	4.6
Carbon disulfide		ND		2.3	4.6
Carbon tetrachloride		ND		0.45	4.6
Chlorobenzene		ND		0.61	4.6
Chloroethane		ND		1.1	4.6
Chloroform		ND		0.29	4.6
Chloromethane		ND		0.28	4.6
cis-1,2-Dichloroethene		ND		0.59	4.6
cis-1,3-Dichloropropene		ND		0.67	4.6
Cyclohexane		ND	*	0.65	4.6
Dibromochloromethane		ND		0.59	4.6
Dichlorodifluoromethane		ND		0.38	4.6
Ethylbenzene		ND		0.32	4.6
Isopropylbenzene		ND		0.70	4.6
Methyl acetate		ND		2.8	4.6
Methyl tert-butyl ether		ND		0.46	4.6
Methylcyclohexane		ND		0.71	4.6
Methylene Chloride		ND		2.1	4.6
Styrene		ND		0.23	4.6
Tetrachloroethene		ND		0.62	4.6
Toluene		ND		0.35	4.6
trans-1,2-Dichloroethene		ND		0.48	4.6
trans-1,3-Dichloropropene		ND		2.0	4.6
Trichloroethene		ND		1.0	4.6
Trichlorofluoromethane		ND		0.44	4.6

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6 | Date Sampled: 04/21/2014 1105
Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7802.D
Dilution:	1.0			Initial Weight/Volume:	6.24 g
Analysis Date:	04/23/2014 0544			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.57	4.6
Xylenes, Total		ND		0.78	9.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		64 - 126
4-Bromofluorobenzene (Surr)	106		72 - 126
Toluene-d8 (Surr)	103		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7 | Date Sampled: 04/21/2014 1253
Client Matrix: Solid | % Moisture: 22.5 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7803.D
Dilution:	1.0			Initial Weight/Volume:	5.52 g
Analysis Date:	04/23/2014 0610			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

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		0.95	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.8
1,1,2-Trichloroethane		ND		0.76	5.8
1,1-Dichloroethane		ND		0.71	5.8
1,1-Dichloroethene		ND		0.71	5.8
1,2,4-Trichlorobenzene		ND		0.36	5.8
1,2-Dibromo-3-Chloropropane		ND		2.9	5.8
1,2-Dibromoethane		ND		0.75	5.8
1,2-Dichlorobenzene		ND		0.46	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		0.82	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		0.29	5.8
Bromodichloromethane		ND		0.78	5.8
Bromoform		ND		2.9	5.8
Bromomethane		ND		0.53	5.8
Carbon disulfide		ND		2.9	5.8
Carbon tetrachloride		ND		0.57	5.8
Chlorobenzene		ND		0.77	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		0.75	5.8
cis-1,3-Dichloropropene		ND		0.84	5.8
Cyclohexane		ND	*	0.82	5.8
Dibromochloromethane		ND		0.75	5.8
Dichlorodifluoromethane		ND		0.48	5.8
Ethylbenzene		ND		0.40	5.8
Isopropylbenzene		ND		0.88	5.8
Methyl acetate		ND		3.5	5.8
Methyl tert-butyl ether		ND		0.57	5.8
Methylcyclohexane		ND		0.89	5.8
Methylene Chloride		ND		2.7	5.8
Styrene		ND		0.29	5.8
Tetrachloroethene		ND		0.78	5.8
Toluene		ND		0.44	5.8
trans-1,2-Dichloroethene		ND		0.60	5.8
trans-1,3-Dichloropropene		ND		2.6	5.8
Trichloroethene		ND		1.3	5.8
Trichlorofluoromethane		ND		0.55	5.8

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7 | Date Sampled: 04/21/2014 1253
Client Matrix: Solid | % Moisture: 22.5 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7803.D
Dilution:	1.0			Initial Weight/Volume:	5.52 g
Analysis Date:	04/23/2014 0610			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.71	5.8
Xylenes, Total		ND		0.98	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8 | Date Sampled: 04/21/2014 1304
Client Matrix: Solid | % Moisture: 16.3 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7804.D
Dilution:	1.0			Initial Weight/Volume:	5.9 g
Analysis Date:	04/23/2014 0635			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.37	5.1
1,1,2,2-Tetrachloroethane		ND		0.82	5.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.1
1,1,2-Trichloroethane		ND		0.66	5.1
1,1-Dichloroethane		ND		0.62	5.1
1,1-Dichloroethene		ND		0.62	5.1
1,2,4-Trichlorobenzene		ND		0.31	5.1
1,2-Dibromo-3-Chloropropane		ND		2.5	5.1
1,2-Dibromoethane		ND		0.65	5.1
1,2-Dichlorobenzene		ND		0.40	5.1
1,2-Dichloroethane		ND		0.25	5.1
1,2-Dichloropropane		ND		2.5	5.1
1,3-Dichlorobenzene		ND		0.26	5.1
1,4-Dichlorobenzene		ND		0.71	5.1
2-Butanone (MEK)		ND		1.9	25
2-Hexanone		ND		2.5	25
4-Methyl-2-pentanone (MIBK)		ND		1.7	25
Acetone		ND		4.3	25
Benzene		ND		0.25	5.1
Bromodichloromethane		ND		0.68	5.1
Bromoform		ND		2.5	5.1
Bromomethane		ND		0.46	5.1
Carbon disulfide		ND		2.5	5.1
Carbon tetrachloride		ND		0.49	5.1
Chlorobenzene		ND		0.67	5.1
Chloroethane		ND		1.1	5.1
Chloroform		ND		0.31	5.1
Chloromethane		ND		0.31	5.1
cis-1,2-Dichloroethene		ND		0.65	5.1
cis-1,3-Dichloropropene		ND		0.73	5.1
Cyclohexane		ND	*	0.71	5.1
Dibromochloromethane		ND		0.65	5.1
Dichlorodifluoromethane		ND		0.42	5.1
Ethylbenzene		ND		0.35	5.1
Isopropylbenzene		ND		0.76	5.1
Methyl acetate		ND		3.1	5.1
Methyl tert-butyl ether		ND		0.50	5.1
Methylcyclohexane		ND		0.77	5.1
Methylene Chloride		ND		2.3	5.1
Styrene		ND		0.25	5.1
Tetrachloroethene		ND		0.68	5.1
Toluene		ND		0.38	5.1
trans-1,2-Dichloroethene		ND		0.52	5.1
trans-1,3-Dichloropropene		ND		2.2	5.1
Trichloroethene		ND		1.1	5.1
Trichlorofluoromethane		ND		0.48	5.1

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8 | Date Sampled: 04/21/2014 1304
Client Matrix: Solid | % Moisture: 16.3 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7804.D
Dilution:	1.0			Initial Weight/Volume:	5.9 g
Analysis Date:	04/23/2014 0635			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.62	5.1
Xylenes, Total		ND		0.85	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		64 - 126
4-Bromofluorobenzene (Surr)	113		72 - 126
Toluene-d8 (Surr)	112		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9 | Date Sampled: 04/21/2014 1245
Client Matrix: Solid | % Moisture: 13.9 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7805.D
Dilution:	1.0			Initial Weight/Volume:	6.06 g
Analysis Date:	04/23/2014 0701			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.35	4.8
1,1,2,2-Tetrachloroethane		ND		0.78	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.8
1,1,2-Trichloroethane		ND		0.62	4.8
1,1-Dichloroethane		ND		0.58	4.8
1,1-Dichloroethene		ND		0.59	4.8
1,2,4-Trichlorobenzene		ND		0.29	4.8
1,2-Dibromo-3-Chloropropane		ND		2.4	4.8
1,2-Dibromoethane		ND		0.61	4.8
1,2-Dichlorobenzene		ND		0.37	4.8
1,2-Dichloroethane		ND		0.24	4.8
1,2-Dichloropropane		ND		2.4	4.8
1,3-Dichlorobenzene		ND		0.25	4.8
1,4-Dichlorobenzene		ND		0.67	4.8
2-Butanone (MEK)		ND		1.8	24
2-Hexanone		ND		2.4	24
4-Methyl-2-pentanone (MIBK)		ND		1.6	24
Acetone		ND		4.0	24
Benzene		ND		0.23	4.8
Bromodichloromethane		ND		0.64	4.8
Bromoform		ND		2.4	4.8
Bromomethane		ND		0.43	4.8
Carbon disulfide		ND		2.4	4.8
Carbon tetrachloride		ND		0.46	4.8
Chlorobenzene		ND		0.63	4.8
Chloroethane		ND		1.1	4.8
Chloroform		ND		0.30	4.8
Chloromethane		ND		0.29	4.8
cis-1,2-Dichloroethene		ND		0.61	4.8
cis-1,3-Dichloropropene		ND		0.69	4.8
Cyclohexane		ND	*	0.67	4.8
Dibromochloromethane		ND		0.61	4.8
Dichlorodifluoromethane		ND		0.40	4.8
Ethylbenzene		ND		0.33	4.8
Isopropylbenzene		ND		0.72	4.8
Methyl acetate		ND		2.9	4.8
Methyl tert-butyl ether		ND		0.47	4.8
Methylcyclohexane		ND		0.73	4.8
Methylene Chloride		ND		2.2	4.8
Styrene		ND		0.24	4.8
Tetrachloroethene		ND		0.64	4.8
Toluene		ND		0.36	4.8
trans-1,2-Dichloroethene		ND		0.49	4.8
trans-1,3-Dichloropropene		ND		2.1	4.8
Trichloroethene		ND		1.1	4.8
Trichlorofluoromethane		ND		0.45	4.8

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9 | Date Sampled: 04/21/2014 1245
Client Matrix: Solid | % Moisture: 13.9 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7805.D
Dilution:	1.0			Initial Weight/Volume:	6.06 g
Analysis Date:	04/23/2014 0701			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.58	4.8
Xylenes, Total		ND		0.80	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
4-Bromofluorobenzene (Surr)	105		72 - 126
Toluene-d8 (Surr)	103		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10 | Date Sampled: 04/21/2014 1400
Client Matrix: Solid | % Moisture: 19.5 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7806.D
Dilution:	1.0			Initial Weight/Volume:	6.45 g
Analysis Date:	04/23/2014 0727			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.35	4.8
1,1,2,2-Tetrachloroethane		ND		0.78	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.8
1,1,2-Trichloroethane		ND		0.63	4.8
1,1-Dichloroethane		ND		0.59	4.8
1,1-Dichloroethene		ND		0.59	4.8
1,2,4-Trichlorobenzene		ND		0.29	4.8
1,2-Dibromo-3-Chloropropane		ND		2.4	4.8
1,2-Dibromoethane		ND		0.62	4.8
1,2-Dichlorobenzene		ND		0.38	4.8
1,2-Dichloroethane		ND		0.24	4.8
1,2-Dichloropropane		ND		2.4	4.8
1,3-Dichlorobenzene		ND		0.25	4.8
1,4-Dichlorobenzene		ND		0.67	4.8
2-Butanone (MEK)		ND		1.8	24
2-Hexanone		ND		2.4	24
4-Methyl-2-pentanone (MIBK)		ND		1.6	24
Acetone		ND		4.1	24
Benzene		ND		0.24	4.8
Bromodichloromethane		ND		0.65	4.8
Bromoform		ND		2.4	4.8
Bromomethane		ND		0.43	4.8
Carbon disulfide		ND		2.4	4.8
Carbon tetrachloride		ND		0.47	4.8
Chlorobenzene		ND		0.64	4.8
Chloroethane		ND		1.1	4.8
Chloroform		ND		0.30	4.8
Chloromethane		ND		0.29	4.8
cis-1,2-Dichloroethene		ND		0.62	4.8
cis-1,3-Dichloropropene		ND		0.69	4.8
Cyclohexane		ND	*	0.67	4.8
Dibromochloromethane		ND		0.62	4.8
Dichlorodifluoromethane		ND		0.40	4.8
Ethylbenzene		ND		0.33	4.8
Isopropylbenzene		ND		0.73	4.8
Methyl acetate		ND		2.9	4.8
Methyl tert-butyl ether		ND		0.47	4.8
Methylcyclohexane		ND		0.73	4.8
Methylene Chloride		ND		2.2	4.8
Styrene		ND		0.24	4.8
Tetrachloroethene		ND		0.65	4.8
Toluene		ND		0.36	4.8
trans-1,2-Dichloroethene		ND		0.50	4.8
trans-1,3-Dichloropropene		ND		2.1	4.8
Trichloroethene		ND		1.1	4.8
Trichlorofluoromethane		ND		0.46	4.8

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10 | Date Sampled: 04/21/2014 1400
Client Matrix: Solid | % Moisture: 19.5 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7806.D
Dilution:	1.0			Initial Weight/Volume:	6.45 g
Analysis Date:	04/23/2014 0727			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.59	4.8
Xylenes, Total		ND		0.81	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	103		72 - 126
Toluene-d8 (Surr)	105		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11 | Date Sampled: 04/21/2014 1420
Client Matrix: Solid | % Moisture: 13.2 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7807.D
Dilution:	1.0			Initial Weight/Volume:	6.25 g
Analysis Date:	04/23/2014 0752			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.33	4.6
1,1,2,2-Tetrachloroethane		ND		0.75	4.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.6
1,1,2-Trichloroethane		ND		0.60	4.6
1,1-Dichloroethane		ND		0.56	4.6
1,1-Dichloroethene		ND		0.56	4.6
1,2,4-Trichlorobenzene		ND		0.28	4.6
1,2-Dibromo-3-Chloropropane		ND		2.3	4.6
1,2-Dibromoethane		ND		0.59	4.6
1,2-Dichlorobenzene		ND		0.36	4.6
1,2-Dichloroethane		ND		0.23	4.6
1,2-Dichloropropane		ND		2.3	4.6
1,3-Dichlorobenzene		ND		0.24	4.6
1,4-Dichlorobenzene		ND		0.65	4.6
2-Butanone (MEK)		ND		1.7	23
2-Hexanone		ND		2.3	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.9	23
Benzene		ND		0.23	4.6
Bromodichloromethane		ND		0.62	4.6
Bromoform		ND		2.3	4.6
Bromomethane		ND		0.41	4.6
Carbon disulfide		ND		2.3	4.6
Carbon tetrachloride		ND		0.45	4.6
Chlorobenzene		ND		0.61	4.6
Chloroethane		ND		1.0	4.6
Chloroform		ND		0.28	4.6
Chloromethane		ND		0.28	4.6
cis-1,2-Dichloroethene		ND		0.59	4.6
cis-1,3-Dichloropropene		ND		0.66	4.6
Cyclohexane		ND	*	0.65	4.6
Dibromochloromethane		ND		0.59	4.6
Dichlorodifluoromethane		ND		0.38	4.6
Ethylbenzene		ND		0.32	4.6
Isopropylbenzene		ND		0.69	4.6
Methyl acetate		ND		2.8	4.6
Methyl tert-butyl ether		ND		0.45	4.6
Methylcyclohexane		ND		0.70	4.6
Methylene Chloride		ND		2.1	4.6
Styrene		ND		0.23	4.6
Tetrachloroethene		ND		0.62	4.6
Toluene		ND		0.35	4.6
trans-1,2-Dichloroethene		ND		0.48	4.6
trans-1,3-Dichloropropene		ND		2.0	4.6
Trichloroethene		ND		1.0	4.6
Trichlorofluoromethane		ND		0.44	4.6

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1420
Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7807.D
Dilution:	1.0			Initial Weight/Volume:	6.25 g
Analysis Date:	04/23/2014 0752			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.56	4.6
Xylenes, Total		ND		0.77	9.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	103		72 - 126
Toluene-d8 (Surr)	105		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12 | Date Sampled: 04/21/2014 1435
Client Matrix: Solid | % Moisture: 11.0 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7808.D
Dilution:	1.0			Initial Weight/Volume:	3.74 g
Analysis Date:	04/23/2014 0818			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.55	7.5
1,1,2,2-Tetrachloroethane		ND		1.2	7.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.7	7.5
1,1,2-Trichloroethane		ND		0.98	7.5
1,1-Dichloroethane		ND		0.92	7.5
1,1-Dichloroethene		ND		0.92	7.5
1,2,4-Trichlorobenzene		ND		0.46	7.5
1,2-Dibromo-3-Chloropropane		ND		3.8	7.5
1,2-Dibromoethane		ND		0.96	7.5
1,2-Dichlorobenzene		ND		0.59	7.5
1,2-Dichloroethane		ND		0.38	7.5
1,2-Dichloropropane		ND		3.8	7.5
1,3-Dichlorobenzene		ND		0.39	7.5
1,4-Dichlorobenzene		ND		1.1	7.5
2-Butanone (MEK)		ND		2.7	38
2-Hexanone		ND		3.8	38
4-Methyl-2-pentanone (MIBK)		ND		2.5	38
Acetone		ND		6.3	38
Benzene		ND		0.37	7.5
Bromodichloromethane		ND		1.0	7.5
Bromoform		ND		3.8	7.5
Bromomethane		ND		0.68	7.5
Carbon disulfide		ND		3.8	7.5
Carbon tetrachloride		ND		0.73	7.5
Chlorobenzene		ND		0.99	7.5
Chloroethane		ND		1.7	7.5
Chloroform		ND		0.46	7.5
Chloromethane		ND		0.45	7.5
cis-1,2-Dichloroethene		ND		0.96	7.5
cis-1,3-Dichloropropene		ND		1.1	7.5
Cyclohexane		ND	*	1.1	7.5
Dibromochloromethane		ND		0.96	7.5
Dichlorodifluoromethane		ND		0.62	7.5
Ethylbenzene		ND		0.52	7.5
Isopropylbenzene		ND		1.1	7.5
Methyl acetate		ND		4.5	7.5
Methyl tert-butyl ether		ND		0.74	7.5
Methylcyclohexane		ND		1.1	7.5
Methylene Chloride		ND		3.5	7.5
Styrene		ND		0.38	7.5
Tetrachloroethene		ND		1.0	7.5
Toluene		ND		0.57	7.5
trans-1,2-Dichloroethene		ND		0.77	7.5
trans-1,3-Dichloropropene		ND		3.3	7.5
Trichloroethene		ND		1.7	7.5
Trichlorofluoromethane		ND		0.71	7.5

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12 | Date Sampled: 04/21/2014 1435
Client Matrix: Solid | % Moisture: 11.0 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7808.D
Dilution:	1.0			Initial Weight/Volume:	3.74 g
Analysis Date:	04/23/2014 0818			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.92	7.5
Xylenes, Total		ND		1.3	15

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		64 - 126
4-Bromofluorobenzene (Surr)	117		72 - 126
Toluene-d8 (Surr)	117		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13 | Date Sampled: 04/21/2014 1525
Client Matrix: Solid | % Moisture: 20.0 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7809.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Analysis Date:	04/23/2014 0843			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

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		0.81	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-Dibromoethane		ND		0.80	6.2
1,2-Dichlorobenzene		ND		0.49	6.2
1,2-Dichloroethane		ND		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
Chloroethane		ND		1.4	6.2
Chloroform		ND		0.38	6.2
Chloromethane		ND		0.37	6.2
cis-1,2-Dichloroethene		ND		0.79	6.2
cis-1,3-Dichloropropene		ND		0.89	6.2
Cyclohexane		ND	*	0.87	6.2
Dibromochloromethane		ND		0.79	6.2
Dichlorodifluoromethane		ND		0.51	6.2
Ethylbenzene		ND		0.43	6.2
Isopropylbenzene		ND		0.94	6.2
Methyl acetate		ND		3.7	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: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13
Client Matrix: Solid
% Moisture: 20.0

Date Sampled: 04/21/2014 1525
Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7809.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Analysis Date:	04/23/2014 0843			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

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
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	103		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14 | Date Sampled: 04/21/2014 1545
Client Matrix: Solid | % Moisture: 13.2 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7810.D
Dilution:	1.0			Initial Weight/Volume:	6.19 g
Analysis Date:	04/23/2014 0909			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.34	4.7
1,1,2,2-Tetrachloroethane		ND		0.75	4.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.7
1,1,2-Trichloroethane		ND		0.60	4.7
1,1-Dichloroethane		ND		0.57	4.7
1,1-Dichloroethene		ND		0.57	4.7
1,2,4-Trichlorobenzene		ND		0.28	4.7
1,2-Dibromo-3-Chloropropane		ND		2.3	4.7
1,2-Dibromoethane		ND		0.60	4.7
1,2-Dichlorobenzene		ND		0.36	4.7
1,2-Dichloroethane		ND		0.23	4.7
1,2-Dichloropropane		ND		2.3	4.7
1,3-Dichlorobenzene		ND		0.24	4.7
1,4-Dichlorobenzene		ND		0.65	4.7
2-Butanone (MEK)		ND		1.7	23
2-Hexanone		ND		2.3	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.9	23
Benzene		ND		0.23	4.7
Bromodichloromethane		ND		0.62	4.7
Bromoform		ND		2.3	4.7
Bromomethane		ND		0.42	4.7
Carbon disulfide		ND		2.3	4.7
Carbon tetrachloride		ND		0.45	4.7
Chlorobenzene		ND		0.61	4.7
Chloroethane		ND		1.1	4.7
Chloroform		ND		0.29	4.7
Chloromethane		ND		0.28	4.7
cis-1,2-Dichloroethene		ND		0.60	4.7
cis-1,3-Dichloropropene		ND		0.67	4.7
Cyclohexane		ND	*	0.65	4.7
Dibromochloromethane		ND		0.60	4.7
Dichlorodifluoromethane		ND		0.38	4.7
Ethylbenzene		ND		0.32	4.7
Isopropylbenzene		ND		0.70	4.7
Methyl acetate		ND		2.8	4.7
Methyl tert-butyl ether		ND		0.46	4.7
Methylcyclohexane		ND		0.71	4.7
Methylene Chloride		ND		2.1	4.7
Styrene		ND		0.23	4.7
Tetrachloroethene		ND		0.62	4.7
Toluene		ND		0.35	4.7
trans-1,2-Dichloroethene		ND		0.48	4.7
trans-1,3-Dichloropropene		ND		2.0	4.7
Trichloroethene		ND		1.0	4.7
Trichlorofluoromethane		ND		0.44	4.7

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14 | Date Sampled: 04/21/2014 1545
Client Matrix: Solid | % Moisture: 13.2 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7810.D
Dilution:	1.0			Initial Weight/Volume:	6.19 g
Analysis Date:	04/23/2014 0909			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.57	4.7
Xylenes, Total		ND		0.78	9.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		64 - 126
4-Bromofluorobenzene (Surr)	106		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15 | Date Sampled: 04/21/2014 1510
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7811.D
Dilution:	1.0			Initial Weight/Volume:	7.66 g
Analysis Date:	04/23/2014 0935			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.26	3.6
1,1,2,2-Tetrachloroethane		ND		0.59	3.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.83	3.6
1,1,2-Trichloroethane		ND		0.47	3.6
1,1-Dichloroethane		ND		0.44	3.6
1,1-Dichloroethene		ND		0.44	3.6
1,2,4-Trichlorobenzene		ND		0.22	3.6
1,2-Dibromo-3-Chloropropane		ND		1.8	3.6
1,2-Dibromoethane		ND		0.47	3.6
1,2-Dichlorobenzene		ND		0.28	3.6
1,2-Dichloroethane		ND		0.18	3.6
1,2-Dichloropropane		ND		1.8	3.6
1,3-Dichlorobenzene		ND		0.19	3.6
1,4-Dichlorobenzene		ND		0.51	3.6
2-Butanone (MEK)		ND		1.3	18
2-Hexanone		ND		1.8	18
4-Methyl-2-pentanone (MIBK)		ND		1.2	18
Acetone		4.0	J	3.1	18
Benzene		ND		0.18	3.6
Bromodichloromethane		ND		0.49	3.6
Bromoform		ND		1.8	3.6
Bromomethane		ND		0.33	3.6
Carbon disulfide		ND		1.8	3.6
Carbon tetrachloride		ND		0.35	3.6
Chlorobenzene		ND		0.48	3.6
Chloroethane		ND		0.82	3.6
Chloroform		ND		0.22	3.6
Chloromethane		ND		0.22	3.6
cis-1,2-Dichloroethene		ND		0.46	3.6
cis-1,3-Dichloropropene		ND		0.52	3.6
Cyclohexane		ND	*	0.51	3.6
Dibromochloromethane		ND		0.46	3.6
Dichlorodifluoromethane		ND		0.30	3.6
Ethylbenzene		ND		0.25	3.6
Isopropylbenzene		ND		0.55	3.6
Methyl acetate		ND		2.2	3.6
Methyl tert-butyl ether		ND		0.36	3.6
Methylcyclohexane		ND		0.55	3.6
Methylene Chloride		ND		1.7	3.6
Styrene		ND		0.18	3.6
Tetrachloroethene		ND		0.49	3.6
Toluene		ND		0.27	3.6
trans-1,2-Dichloroethene		ND		0.37	3.6
trans-1,3-Dichloropropene		ND		1.6	3.6
Trichloroethene		ND		0.80	3.6
Trichlorofluoromethane		ND		0.34	3.6

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15 | Date Sampled: 04/21/2014 1510
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 04/22/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-177567	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-177575	Lab File ID:	F7811.D
Dilution:	1.0			Initial Weight/Volume:	7.66 g
Analysis Date:	04/23/2014 0935			Final Weight/Volume:	5 g
Prep Date:	04/22/2014 2235				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.44	3.6
Xylenes, Total		ND		0.61	7.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		64 - 126
4-Bromofluorobenzene (Surr)	107		72 - 126
Toluene-d8 (Surr)	103		71 - 125

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 04/21/2014 1015
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891893.D
Dilution:	1.0			Initial Weight/Volume:	+30.37 g
Analysis Date:	04/28/2014 1800			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		68	380
2,4-Dinitrotoluene		ND		30	190
2,6-Dinitrotoluene		ND		47	190
2-Chloronaphthalene		ND		13	190
2-Chlorophenol		ND		9.9	190
2-Methylnaphthalene		ND		2.3	190
2-Methylphenol		ND		6.0	190
2-Nitroaniline		ND		62	380
2-Nitrophenol		ND		8.8	190
3,3'-Dichlorobenzidine		ND UJ	*	170	190
3-Nitroaniline		ND		45	380
4,6-Dinitro-2-methylphenol		ND		67	380
4-Bromophenyl phenyl ether		ND		62	190
4-Chloro-3-methylphenol		ND		8.0	190
4-Chloroaniline		ND		57	190
4-Chlorophenyl phenyl ether		ND		4.1	190
4-Methylphenol		ND		11	380
4-Nitroaniline		ND		22	380
4-Nitrophenol		ND		47	380
Acenaphthene		ND		2.3	190
Acenaphthylene		ND		1.6	190
Acetophenone		ND		9.9	190
Anthracene		ND		5.0	190
Atrazine		ND		8.6	190
Benzaldehyde		ND UJ		21	190
Benzo[a]anthracene		ND UJ	*	3.3	190
Benzo[a]pyrene		ND UJ	*	4.7	190
Benzo[b]fluoranthene		ND UJ	*	3.8	190
Benzo[g,h,i]perylene		ND UJ	*	2.3	190
Benzo[k]fluoranthene		ND UJ	*	2.1	190
Biphenyl		ND		12	190
bis (2-chloroisopropyl) ether		ND		20	190
Bis(2-chloroethoxy)methane		ND		11	190
Bis(2-chloroethyl)ether		ND		17	190
Bis(2-ethylhexyl) phthalate		ND UJ	*	62	190
Butyl benzyl phthalate		ND UJ	*	52	190
Caprolactam		ND		84	190
Carbazole		ND		2.2	190
Chrysene		ND UJ	*	1.9	190
Dibenz(a,h)anthracene		ND UJ	*	2.3	190
Dibenzofuran		ND		2.0	190
Diethyl phthalate		ND		5.8	190

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1015
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891893.D
Dilution:	1.0			Initial Weight/Volume:	+30.37 g
Analysis Date:	04/28/2014 1800			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		67	190
Di-n-octyl phthalate		ND UJ	*	4.5	190
Fluoranthene		12	J	2.8	190
Fluorene		ND		4.5	190
Hexachlorobenzene		ND		9.6	190
Hexachlorobutadiene		ND		9.9	190
Hexachlorocyclopentadiene		ND		59	190
Hexachloroethane		ND		15	190
Indeno[1,2,3-cd]pyrene		ND UJ	*	5.4	190
Isophorone		ND		9.7	190
Naphthalene		ND		3.2	190
Nitrobenzene		ND		8.6	190
N-Nitrosodi-n-propylamine		ND		15	190
N-Nitrosodiphenylamine		ND		11	190
Pentachlorophenol		ND		66	380
Phenanthrene		7.8	J	4.1	190
Phenol		ND		20	190
Pyrene		12 J	J *	1.3	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	84		39 - 146
2-Fluorobiphenyl	86		37 - 120
2-Fluorophenol	79		18 - 120
Nitrobenzene-d5	74		34 - 132
Phenol-d5	75		11 - 120
p-Terphenyl-d14	112	*	65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 04/21/2014 1030
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891894.D
Dilution:	1.0			Initial Weight/Volume:	+30.37 g
Analysis Date:	04/28/2014 1823			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		69	390
2,4-Dinitrotoluene		ND		31	200
2,6-Dinitrotoluene		ND		48	200
2-Chloronaphthalene		ND		13	200
2-Chlorophenol		ND		10	200
2-Methylnaphthalene		ND		2.4	200
2-Methylphenol		ND		6.1	200
2-Nitroaniline		ND		63	390
2-Nitrophenol		ND		9.0	200
3,3'-Dichlorobenzidine		ND UJ	*	170	200
3-Nitroaniline		ND		45	390
4,6-Dinitro-2-methylphenol		ND		68	390
4-Bromophenyl phenyl ether		ND		63	200
4-Chloro-3-methylphenol		ND		8.1	200
4-Chloroaniline		ND		58	200
4-Chlorophenyl phenyl ether		ND		4.2	200
4-Methylphenol		ND		11	390
4-Nitroaniline		ND		22	390
4-Nitrophenol		ND		48	390
Acenaphthene		ND		2.3	200
Acenaphthylene		ND		1.6	200
Acetophenone		ND		10	200
Anthracene		ND		5.0	200
Atrazine		ND		8.8	200
Benzaldehyde		ND UJ		22	200
Benzo[a]anthracene		ND UJ	*	3.4	200
Benzo[a]pyrene		ND		4.7	200
Benzo[b]fluoranthene		ND		3.8	200
Benzo[g,h,i]perylene		ND		2.4	200
Benzo[k]fluoranthene		ND		2.2	200
Biphenyl		ND		12	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 UJ	*	63	200
Butyl benzyl phthalate		ND UJ	*	53	200
Caprolactam		ND		85	200
Carbazole		ND		2.3	200
Chrysene		ND UJ	*	2.0	200
Dibenz(a,h)anthracene		ND		2.3	200
Dibenzofuran		ND		2.1	200
Diethyl phthalate		ND		6.0	200

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2 | Date Sampled: 04/21/2014 1030
Client Matrix: Solid | % Moisture: 15.4 | Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891894.D
Dilution:	1.0			Initial Weight/Volume:	+30.37 g
Analysis Date:	04/28/2014 1823			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		68	200
Di-n-octyl phthalate		ND	*	4.6	200
Fluoranthene		8.9	J	2.9	200
Fluorene		ND		4.5	200
Hexachlorobenzene		ND		9.8	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		60	200
Hexachloroethane		ND		15	200
Indeno[1,2,3-cd]pyrene		ND		5.5	200
Isophorone		ND		9.8	200
Naphthalene		ND		3.3	200
Nitrobenzene		ND		8.7	200
N-Nitrosodi-n-propylamine		ND		16	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		68	390
Phenanthrene		5.6	J	4.1	200
Phenol		ND		21	200
Pyrene		9.8 J	J *	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	87		39 - 146
2-Fluorobiphenyl	89		37 - 120
2-Fluorophenol	79		18 - 120
Nitrobenzene-d5	73		34 - 132
Phenol-d5	77		11 - 120
p-Terphenyl-d14	111	*	65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3

Client Matrix: Solid

% Moisture: 16.9

Date Sampled: 04/21/2014 1000

Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891895.D
Dilution:	1.0			Initial Weight/Volume:	+30.75 g
Analysis Date:	04/28/2014 1847			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		54	200
2,4-Dinitrophenol		ND		69	390
2,4-Dinitrotoluene		ND		31	200
2,6-Dinitrotoluene		ND		48	200
2-Chloronaphthalene		ND		13	200
2-Chlorophenol		ND		10	200
2-Methylnaphthalene		ND		2.4	200
2-Methylphenol		ND		6.1	200
2-Nitroaniline		ND		64	390
2-Nitrophenol		ND		9.1	200
3,3'-Dichlorobenzidine		ND		170	200
3-Nitroaniline		ND		46	390
4,6-Dinitro-2-methylphenol		ND		68	390
4-Bromophenyl phenyl ether		ND		63	200
4-Chloro-3-methylphenol		ND		8.2	200
4-Chloroaniline		ND		58	200
4-Chlorophenyl phenyl ether		ND		4.2	200
4-Methylphenol		ND		11	390
4-Nitroaniline		ND		22	390
4-Nitrophenol		ND		48	390
Acenaphthene		ND		2.3	200
Acenaphthylene		ND		1.6	200
Acetophenone		ND		10	200
Anthracene		ND		5.1	200
Atrazine		ND		8.8	200
Benzaldehyde		NDUJ		22	200
Benzo[a]anthracene		8.3	J	3.4	200
Benzo[a]pyrene		ND		4.8	200
Benzo[b]fluoranthene		7.3	J	3.8	200
Benzo[g,h,i]perylene		8.1	J	2.4	200
Benzo[k]fluoranthene		ND		2.2	200
Biphenyl		ND		12	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		64	200
Butyl benzyl phthalate		ND		53	200
Caprolactam		ND		86	200
Carbazole		ND		2.3	200
Chrysene		ND		2.0	200
Dibenz(a,h)anthracene		ND		2.3	200
Dibenzofuran		ND		2.1	200
Diethyl phthalate		ND		6.0	200

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3
Client Matrix: Solid
% Moisture: 16.9

Date Sampled: 04/21/2014 1000
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891895.D
Dilution:	1.0			Initial Weight/Volume:	+30.75 g
Analysis Date:	04/28/2014 1847			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		69	200
Di-n-octyl phthalate		ND		4.6	200
Fluoranthene		5.3	J	2.9	200
Fluorene		ND		4.6	200
Hexachlorobenzene		ND		9.8	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		60	200
Hexachloroethane		ND		15	200
Indeno[1,2,3-cd]pyrene		ND		5.5	200
Isophorone		ND		9.9	200
Naphthalene		ND		3.3	200
Nitrobenzene		ND		8.8	200
N-Nitrosodi-n-propylamine		ND		16	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		68	390
Phenanthrene		ND		4.2	200
Phenol		ND		21	200
Pyrene		6.1	J	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	83		39 - 146
2-Fluorobiphenyl	82		37 - 120
2-Fluorophenol	76		18 - 120
Nitrobenzene-d5	70		34 - 132
Phenol-d5	72		11 - 120
p-Terphenyl-d14	105		65 - 153

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4 | Date Sampled: 04/21/2014 1120
Client Matrix: Solid | % Moisture: 21.3 | Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891896.D
Dilution:	1.0			Initial Weight/Volume:	+30.74 g
Analysis Date:	04/28/2014 1910			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		73	410
2,4-Dinitrotoluene		ND		32	210
2,6-Dinitrotoluene		ND		51	210
2-Chloronaphthalene		ND		14	210
2-Chlorophenol		ND		11	210
2-Methylnaphthalene		ND		2.5	210
2-Methylphenol		ND		6.4	210
2-Nitroaniline		ND		67	410
2-Nitrophenol		ND		9.6	210
3,3'-Dichlorobenzidine		ND		180	210
3-Nitroaniline		ND		48	410
4,6-Dinitro-2-methylphenol		ND		72	410
4-Bromophenyl phenyl ether		ND		67	210
4-Chloro-3-methylphenol		ND		8.6	210
4-Chloroaniline		ND		61	210
4-Chlorophenyl phenyl ether		ND		4.5	210
4-Methylphenol		ND		12	410
4-Nitroaniline		ND		23	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		9.3	210
Benzaldehyde		NDUJ		23	210
Benzo[a]anthracene		13	J	3.6	210
Benzo[a]pyrene		10	J	5.0	210
Benzo[b]fluoranthene		15	J	4.1	210
Benzo[g,h,i]perylene		12	J	2.5	210
Benzo[k]fluoranthene		7.1	J	2.3	210
Biphenyl		ND		13	210
bis (2-chloroisopropyl) ether		ND		22	210
Bis(2-chloroethoxy)methane		ND		11	210
Bis(2-chloroethyl)ether		ND		18	210
Bis(2-ethylhexyl) phthalate		ND		67	210
Butyl benzyl phthalate		ND		56	210
Caprolactam		ND		91	210
Carbazole		ND		2.4	210
Chrysene		12	J	2.1	210
Dibenz(a,h)anthracene		ND		2.5	210
Dibenzofuran		ND		2.2	210
Diethyl phthalate		ND		6.3	210

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4 | Date Sampled: 04/21/2014 1120
Client Matrix: Solid | % Moisture: 21.3 | Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891896.D
Dilution:	1.0			Initial Weight/Volume:	+30.74 g
Analysis Date:	04/28/2014 1910			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		72	210
Di-n-octyl phthalate		ND		4.9	210
Fluoranthene		18	J	3.0	210
Fluorene		ND		4.8	210
Hexachlorobenzene		ND		10	210
Hexachlorobutadiene		ND		11	210
Hexachlorocyclopentadiene		ND		63	210
Hexachloroethane		ND		16	210
Indeno[1,2,3-cd]pyrene		10	J	5.8	210
Isophorone		ND		10	210
Naphthalene		ND		3.5	210
Nitrobenzene		ND		9.3	210
N-Nitrosodi-n-propylamine		ND		17	210
N-Nitrosodiphenylamine		ND		11	210
Pentachlorophenol		ND		72	410
Phenanthrene		8.8	J	4.4	210
Phenol		ND		22	210
Pyrene		17	J	1.4	210

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	88		39 - 146
2-Fluorobiphenyl	88		37 - 120
2-Fluorophenol	79		18 - 120
Nitrobenzene-d5	71		34 - 132
Phenol-d5	77		11 - 120
p-Terphenyl-d14	109		65 - 153

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5 | Date Sampled: 04/21/2014 1135
Client Matrix: Solid | % Moisture: 11.6 | Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891897.D
Dilution:	1.0			Initial Weight/Volume:	+30.48 g
Analysis Date:	04/28/2014 1933			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		9.9	190
2,4-Dimethylphenol		ND		51	190
2,4-Dinitrophenol		ND		66	370
2,4-Dinitrotoluene		ND		29	190
2,6-Dinitrotoluene		ND		46	190
2-Chloronaphthalene		ND		13	190
2-Chlorophenol		ND		9.6	190
2-Methylnaphthalene		ND		2.3	190
2-Methylphenol		ND		5.8	190
2-Nitroaniline		ND		60	370
2-Nitrophenol		ND		8.6	190
3,3'-Dichlorobenzidine		ND		160	190
3-Nitroaniline		ND		43	370
4,6-Dinitro-2-methylphenol		ND		65	370
4-Bromophenyl phenyl ether		ND		60	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	370
4-Nitroaniline		ND		21	370
4-Nitrophenol		ND		46	370
Acenaphthene		ND		2.2	190
Acenaphthylene		ND		1.5	190
Acetophenone		ND		9.6	190
Anthracene		ND		4.8	190
Atrazine		ND		8.4	190
Benzaldehyde		ND	UJ	21	190
Benzo[a]anthracene		12	J	3.2	190
Benzo[a]pyrene		ND		4.5	190
Benzo[b]fluoranthene		13	J	3.6	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		61	190
Butyl benzyl phthalate		ND		50	190
Caprolactam		ND		81	190
Carbazole		ND		2.2	190
Chrysene		9.8	J	1.9	190
Dibenz(a,h)anthracene		ND		2.2	190
Dibenzofuran		ND		2.0	190
Diethyl phthalate		ND		5.7	190

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5 | Date Sampled: 04/21/2014 1135
Client Matrix: Solid | % Moisture: 11.6 | Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891897.D
Dilution:	1.0			Initial Weight/Volume:	+30.48 g
Analysis Date:	04/28/2014 1933			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		65	190
Di-n-octyl phthalate		ND		4.4	190
Fluoranthene		12	J	2.7	190
Fluorene		ND		4.3	190
Hexachlorobenzene		ND		9.3	190
Hexachlorobutadiene		ND		9.6	190
Hexachlorocyclopentadiene		ND		57	190
Hexachloroethane		ND		15	190
Indeno[1,2,3-cd]pyrene		12	J	5.2	190
Isophorone		ND		9.4	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	370
Phenanthrene		6.4	J	3.9	190
Phenol		ND		20	190
Pyrene		14	J	1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	91		39 - 146
2-Fluorobiphenyl	88		37 - 120
2-Fluorophenol	78		18 - 120
Nitrobenzene-d5	74		34 - 132
Phenol-d5	75		11 - 120
p-Terphenyl-d14	105		65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1105
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891900.D
Dilution:	1.0			Initial Weight/Volume:	+30.06 g
Analysis Date:	04/28/2014 2042			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		10	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		NDUJ		21	200
Benzo[a]anthracene		11	J	3.4	200
Benzo[a]pyrene		8.6	J	4.7	200
Benzo[b]fluoranthene		17	J	3.8	200
Benzo[g,h,i]perylene		15	J	2.3	200
Benzo[k]fluoranthene		8.0	J	2.2	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		85	200
Carbazole		ND		2.3	200
Chrysene		8.6	J	2.0	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: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6 | Date Sampled: 04/21/2014 1105
Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891900.D
Dilution:	1.0			Initial Weight/Volume:	+30.06 g
Analysis Date:	04/28/2014 2042			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		68	200
Di-n-octyl phthalate		ND		4.6	200
Fluoranthene		9.4	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		9.8	200
Naphthalene		ND		3.3	200
Nitrobenzene		ND		8.7	200
N-Nitrosodi-n-propylamine		ND		15	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		67	380
Phenanthrene		7.3	J	4.1	200
Phenol		ND		21	200
Pyrene		11	J	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		39 - 146
2-Fluorobiphenyl	86		37 - 120
2-Fluorophenol	79		18 - 120
Nitrobenzene-d5	72		34 - 132
Phenol-d5	75		11 - 120
p-Terphenyl-d14	109		65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7
Client Matrix: Solid
% Moisture: 22.5
Date Sampled: 04/21/2014 1253
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891901.D
Dilution:	1.0			Initial Weight/Volume:	+30.54 g
Analysis Date:	04/28/2014 2105			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		47	220
2,4,6-Trichlorophenol		ND		14	220
2,4-Dichlorophenol		ND		11	220
2,4-Dimethylphenol		ND		58	220
2,4-Dinitrophenol		ND		75	420
2,4-Dinitrotoluene		ND		33	220
2,6-Dinitrotoluene		ND		52	220
2-Chloronaphthalene		ND		14	220
2-Chlorophenol		ND		11	220
2-Methylnaphthalene		ND		2.6	220
2-Methylphenol		ND		6.6	220
2-Nitroaniline		ND		69	420
2-Nitrophenol		ND		9.8	220
3,3'-Dichlorobenzidine		ND UJ	*	190	220
3-Nitroaniline		ND		49	420
4,6-Dinitro-2-methylphenol		ND		74	420
4-Bromophenyl phenyl ether		ND		68	220
4-Chloro-3-methylphenol		ND		8.8	220
4-Chloroaniline		ND		63	220
4-Chlorophenyl phenyl ether		ND		4.6	220
4-Methylphenol		38	J	12	420
4-Nitroaniline		ND		24	420
4-Nitrophenol		ND		52	420
Acenaphthene		ND		2.5	220
Acenaphthylene		ND		1.7	220
Acetophenone		ND		11	220
Anthracene		ND		5.5	220
Atrazine		ND		9.5	220
Benzaldehyde		ND UJ		23	220
Benzo[a]anthracene		NDUJ	*	3.7	220
Benzo[a]pyrene		27	J	5.2	220
Benzo[b]fluoranthene		45	J	4.1	220
Benzo[g,h,i]perylene		33	J	2.6	220
Benzo[k]fluoranthene		17	J	2.4	220
Biphenyl		ND		13	220
bis (2-chloroisopropyl) ether		ND		22	220
Bis(2-chloroethoxy)methane		ND		12	220
Bis(2-chloroethyl)ether		ND		18	220
Bis(2-ethylhexyl) phthalate		NDUJ	*	69	220
Butyl benzyl phthalate		NDUJ	*	57	220
Caprolactam		ND		93	220
Carbazole		ND		2.5	220
Chrysene		30 J	J *	2.1	220
Dibenz(a,h)anthracene		ND		2.5	220
Dibenzofuran		ND		2.2	220
Diethyl phthalate		ND		6.5	220

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7 | Date Sampled: 04/21/2014 1253
Client Matrix: Solid | % Moisture: 22.5 | Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891901.D
Dilution:	1.0			Initial Weight/Volume:	+30.54 g
Analysis Date:	04/28/2014 2105			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.6	220
Di-n-butyl phthalate		ND		74	220
Di-n-octyl phthalate		ND	*	5.0	220
Fluoranthene		47	J	3.1	220
Fluorene		ND		4.9	220
Hexachlorobenzene		ND		11	220
Hexachlorobutadiene		ND		11	220
Hexachlorocyclopentadiene		ND		65	220
Hexachloroethane		ND		17	220
Indeno[1,2,3-cd]pyrene		38	J	5.9	220
Isophorone		ND		11	220
Naphthalene		ND		3.6	220
Nitrobenzene		ND		9.5	220
N-Nitrosodi-n-propylamine		ND		17	220
N-Nitrosodiphenylamine		ND		12	220
Pentachlorophenol		ND		73	420
Phenanthrene		18	J	4.5	220
Phenol		ND		23	220
Pyrene		44 J	J *	1.4	220

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	93		39 - 146
2-Fluorobiphenyl	90		37 - 120
2-Fluorophenol	80		18 - 120
Nitrobenzene-d5	74		34 - 132
Phenol-d5	77		11 - 120
p-Terphenyl-d14	113	*	65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 04/21/2014 1304
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891902.D
Dilution:	1.0			Initial Weight/Volume:	+30.44 g
Analysis Date:	04/28/2014 2128			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		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		6.1	200
2-Nitroaniline		ND		64	390
2-Nitrophenol		ND		9.1	200
3,3'-Dichlorobenzidine		NDUJ	*	170	200
3-Nitroaniline		ND		46	390
4,6-Dinitro-2-methylphenol		ND		69	390
4-Bromophenyl phenyl ether		ND		63	200
4-Chloro-3-methylphenol		ND		8.2	200
4-Chloroaniline		ND		58	200
4-Chlorophenyl phenyl ether		ND		4.2	200
4-Methylphenol		ND		11	390
4-Nitroaniline		ND		22	390
4-Nitrophenol		ND		48	390
Acenaphthene		ND		2.3	200
Acenaphthylene		ND		1.6	200
Acetophenone		ND		10	200
Anthracene		ND		5.1	200
Atrazine		ND		8.8	200
Benzaldehyde		ND UJ		22	200
Benzo[a]anthracene		NDUJ	*	3.4	200
Benzo[a]pyrene		20 J	J *	4.8	200
Benzo[b]fluoranthene		23 J	J *	3.9	200
Benzo[g,h,i]perylene		20 J	J *	2.4	200
Benzo[k]fluoranthene		9.2 J	J *	2.2	200
Biphenyl		ND		12	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 UJ	*	64	200
Butyl benzyl phthalate		NDUJ	*	53	200
Caprolactam		ND		86	200
Carbazole		ND		2.3	200
Chrysene		17 J	J *	2.0	200
Dibenz(a,h)anthracene		NDUJ	*	2.3	200
Dibenzofuran		ND		2.1	200
Diethyl phthalate		ND		6.0	200

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 04/21/2014 1304
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891902.D
Dilution:	1.0			Initial Weight/Volume:	+30.44 g
Analysis Date:	04/28/2014 2128			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		69	200
Di-n-octyl phthalate		NDUJ	*	4.6	200
Fluoranthene		24	J	2.9	200
Fluorene		ND		4.6	200
Hexachlorobenzene		ND		9.9	200
Hexachlorobutadiene		ND		10	200
Hexachlorocyclopentadiene		ND		60	200
Hexachloroethane		ND		15	200
Indeno[1,2,3-cd]pyrene		18 J	J *	5.5	200
Isophorone		ND		9.9	200
Naphthalene		ND		3.3	200
Nitrobenzene		ND		8.8	200
N-Nitrosodi-n-propylamine		ND		16	200
N-Nitrosodiphenylamine		ND		11	200
Pentachlorophenol		ND		68	390
Phenanthrene		10	J	4.2	200
Phenol		ND		21	200
Pyrene		29 J	J *	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	91		39 - 146
2-Fluorobiphenyl	89		37 - 120
2-Fluorophenol	81		18 - 120
Nitrobenzene-d5	73		34 - 132
Phenol-d5	79		11 - 120
p-Terphenyl-d14	115	*	65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9
Client Matrix: Solid
% Moisture: 13.9

Date Sampled: 04/21/2014 1245
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891903.D
Dilution:	1.0			Initial Weight/Volume:	+30.30 g
Analysis Date:	04/28/2014 2151			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		42	200
2,4,6-Trichlorophenol		ND		13	200
2,4-Dichlorophenol		ND		10	200
2,4-Dimethylphenol		ND		52	200
2,4-Dinitrophenol		ND		68	380
2,4-Dinitrotoluene		ND		30	200
2,6-Dinitrotoluene		ND		47	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		62	380
2-Nitrophenol		ND		8.9	200
3,3'-Dichlorobenzidine		ND UJ	*	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		4.1	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		8.6	200
Benzaldehyde		ND UJ		21	200
Benzo[a]anthracene		ND UJ	*	3.3	200
Benzo[a]pyrene		ND		4.7	200
Benzo[b]fluoranthene		5.2	J	3.8	200
Benzo[g,h,i]perylene		ND		2.3	200
Benzo[k]fluoranthene		4.1	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 UJ	*	63	200
Butyl benzyl phthalate		ND UJ	*	52	200
Caprolactam		ND		84	200
Carbazole		ND		2.2	200
Chrysene		ND UJ	*	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: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9
Client Matrix: Solid
% Moisture: 13.9

Date Sampled: 04/21/2014 1245
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178628	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891903.D
Dilution:	1.0			Initial Weight/Volume:	+30.30 g
Analysis Date:	04/28/2014 2151			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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	*	4.5	200
Fluoranthene		ND		2.8	200
Fluorene		ND		4.5	200
Hexachlorobenzene		ND		9.6	200
Hexachlorobutadiene		ND		9.9	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		ND		4.1	200
Phenol		ND		20	200
Pyrene		ND UJ	*	1.3	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	89		39 - 146
2-Fluorobiphenyl	85		37 - 120
2-Fluorophenol	78		18 - 120
Nitrobenzene-d5	72		34 - 132
Phenol-d5	75		11 - 120
p-Terphenyl-d14	111	*	65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 04/21/2014 1400
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891914.D
Dilution:	1.0			Initial Weight/Volume:	+30.27 g
Analysis Date:	04/29/2014 0453			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		45	210
2,4,6-Trichlorophenol		ND		14	210
2,4-Dichlorophenol		ND		11	210
2,4-Dimethylphenol		ND		56	210
2,4-Dinitrophenol		ND		73	410
2,4-Dinitrotoluene		ND		32	210
2,6-Dinitrotoluene		ND		51	210
2-Chloronaphthalene		ND		14	210
2-Chlorophenol		ND		11	210
2-Methylnaphthalene		ND		2.5	210
2-Methylphenol		ND		6.4	210
2-Nitroaniline		ND		67	410
2-Nitrophenol		ND		9.5	210
3,3'-Dichlorobenzidine		ND		180	210
3-Nitroaniline		ND		48	410
4,6-Dinitro-2-methylphenol		ND		72	410
4-Bromophenyl phenyl ether		ND		66	210
4-Chloro-3-methylphenol		ND		8.5	210
4-Chloroaniline		ND		61	210
4-Chlorophenyl phenyl ether		ND		4.4	210
4-Methylphenol		ND		12	410
4-Nitroaniline		ND		23	410
4-Nitrophenol		ND		50	410
Acenaphthene		ND		2.4	210
Acenaphthylene		ND		1.7	210
Acetophenone		ND		11	210
Anthracene		5.7	J	5.3	210
Atrazine		ND		9.2	210
Benzaldehyde		24 J	J	23	210
Benzo[a]anthracene		41	J	3.6	210
Benzo[a]pyrene		45	J	5.0	210
Benzo[b]fluoranthene		64	J	4.0	210
Benzo[g,h,i]perylene		47	J	2.5	210
Benzo[k]fluoranthene		29	J	2.3	210
Biphenyl		ND		13	210
bis (2-chloroisopropyl) ether		ND		22	210
Bis(2-chloroethoxy)methane		ND		11	210
Bis(2-chloroethyl)ether		ND		18	210
Bis(2-ethylhexyl) phthalate		ND		67	210
Butyl benzyl phthalate		ND		56	210
Caprolactam		ND		90	210
Carbazole		6.2	J	2.4	210
Chrysene		53	J	2.1	210
Dibenz(a,h)anthracene		ND		2.4	210
Dibenzofuran		ND		2.2	210
Diethyl phthalate		ND		6.3	210

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 04/21/2014 1400
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891914.D
Dilution:	1.0			Initial Weight/Volume:	+30.27 g
Analysis Date:	04/29/2014 0453			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.4	210
Di-n-butyl phthalate		ND		72	210
Di-n-octyl phthalate		ND		4.9	210
Fluoranthene		68	J	3.0	210
Fluorene		ND		4.8	210
Hexachlorobenzene		ND		10	210
Hexachlorobutadiene		ND		11	210
Hexachlorocyclopentadiene		ND		63	210
Hexachloroethane		ND		16	210
Indeno[1,2,3-cd]pyrene		51	J	5.7	210
Isophorone		ND		10	210
Naphthalene		ND		3.5	210
Nitrobenzene		ND		9.2	210
N-Nitrosodi-n-propylamine		ND		16	210
N-Nitrosodiphenylamine		ND		11	210
Pentachlorophenol		ND		71	410
Phenanthrene		34	J	4.4	210
Phenol		ND		22	210
Pyrene		76	J	1.3	210

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	84		39 - 146
2-Fluorobiphenyl	83		37 - 120
2-Fluorophenol	75		18 - 120
Nitrobenzene-d5	70		34 - 132
Phenol-d5	76		11 - 120
p-Terphenyl-d14	100		65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1420
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891915.D
Dilution:	1.0			Initial Weight/Volume:	+30.57 g
Analysis Date:	04/29/2014 0517			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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 UJ	*	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 UJ		21	190
Benzo[a]anthracene		ND UJ	*	3.3	190
Benzo[a]pyrene		26 J	J *	4.6	190
Benzo[b]fluoranthene		43 J	J *	3.7	190
Benzo[g,h,i]perylene		39 J	J *	2.3	190
Benzo[k]fluoranthene		17 J	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		16	190
Bis(2-ethylhexyl) phthalate		ND UJ	*	61	190
Butyl benzyl phthalate		ND UJ	*	51	190
Caprolactam		ND		83	190
Carbazole		ND		2.2	190
Chrysene		35 J	J *	1.9	190
Dibenz(a,h)anthracene		ND UJ	*	2.2	190
Dibenzofuran		ND		2.0	190
Diethyl phthalate		ND		5.8	190

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11 | Date Sampled: 04/21/2014 1420
Client Matrix: Solid | % Moisture: 13.2 | Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891915.D
Dilution:	1.0			Initial Weight/Volume:	+30.57 g
Analysis Date:	04/29/2014 0517			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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 UJ	*	4.5	190
Fluoranthene		55	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		NDUJ	*	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		20	J	4.0	190
Phenol		ND		20	190
Pyrene		63J	J *	1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	100		39 - 146
2-Fluorobiphenyl	94		37 - 120
2-Fluorophenol	86		18 - 120
Nitrobenzene-d5	81		34 - 132
Phenol-d5	84		11 - 120
p-Terphenyl-d14	123	*	65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 04/21/2014 1435
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891916.D
Dilution:	1.0			Initial Weight/Volume:	+30.87 g
Analysis Date:	04/29/2014 0540			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		40	190
2,4,6-Trichlorophenol		ND		12	190
2,4-Dichlorophenol		ND		9.7	190
2,4-Dimethylphenol		ND		50	190
2,4-Dinitrophenol		ND		64	360
2,4-Dinitrotoluene		ND		29	190
2,6-Dinitrotoluene		ND		45	190
2-Chloronaphthalene		ND		12	190
2-Chlorophenol		ND		9.4	190
2-Methylnaphthalene		ND		2.2	190
2-Methylphenol		ND		5.7	190
2-Nitroaniline		ND		59	360
2-Nitrophenol		ND		8.4	190
3,3'-Dichlorobenzidine		ND UJ	*	160	190
3-Nitroaniline		ND		42	360
4,6-Dinitro-2-methylphenol		ND		64	360
4-Bromophenyl phenyl ether		ND		59	190
4-Chloro-3-methylphenol		ND		7.6	190
4-Chloroaniline		ND		54	190
4-Chlorophenyl phenyl ether		ND		3.9	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		4.7	190
Atrazine		ND		8.2	190
Benzaldehyde		ND UJ		20	190
Benzo[a]anthracene		ND UJ	*	3.2	190
Benzo[a]pyrene		ND UJ	*	4.4	190
Benzo[b]fluoranthene		14 J	J *	3.6	190
Benzo[g,h,i]perylene		ND UJ	*	2.2	190
Benzo[k]fluoranthene		8.9 J	J *	2.0	190
Biphenyl		ND		11	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 UJ	*	59	190
Butyl benzyl phthalate		ND UJ	*	49	190
Caprolactam		ND		80	190
Carbazole		ND		2.1	190
Chrysene		ND UJ	*	1.8	190
Dibenz(a,h)anthracene		ND UJ	*	2.2	190
Dibenzofuran		ND		1.9	190
Diethyl phthalate		ND		5.6	190

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 04/21/2014 1435
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891916.D
Dilution:	1.0			Initial Weight/Volume:	+30.87 g
Analysis Date:	04/29/2014 0540			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		4.8	190
Di-n-butyl phthalate		ND		64	190
Di-n-octyl phthalate		NDUJ	*	4.3	190
Fluoranthene		11	J	2.7	190
Fluorene		ND		4.2	190
Hexachlorobenzene		ND		9.2	190
Hexachlorobutadiene		ND		9.4	190
Hexachlorocyclopentadiene		ND		56	190
Hexachloroethane		ND		14	190
Indeno[1,2,3-cd]pyrene		16 J	J *	5.1	190
Isophorone		ND		9.2	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		63	360
Phenanthrene		9.0	J	3.9	190
Phenol		ND		19	190
Pyrene		14 J	J *	1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	97		39 - 146
2-Fluorobiphenyl	92		37 - 120
2-Fluorophenol	86		18 - 120
Nitrobenzene-d5	79		34 - 132
Phenol-d5	83		11 - 120
p-Terphenyl-d14	124	*	65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13
Client Matrix: Solid
% Moisture: 20.0
Date Sampled: 04/21/2014 1525
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891917.D
Dilution:	1.0			Initial Weight/Volume:	+30.32 g
Analysis Date:	04/29/2014 0603			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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		56	210
2,4-Dinitrophenol		ND		73	410
2,4-Dinitrotoluene		ND		32	210
2,6-Dinitrotoluene		ND		51	210
2-Chloronaphthalene		ND		14	210
2-Chlorophenol		ND		11	210
2-Methylnaphthalene		ND		2.5	210
2-Methylphenol		ND		6.4	210
2-Nitroaniline		ND		67	410
2-Nitrophenol		ND		9.5	210
3,3'-Dichlorobenzidine		ND UJ	*	180	210
3-Nitroaniline		ND		48	410
4,6-Dinitro-2-methylphenol		ND		72	410
4-Bromophenyl phenyl ether		ND		66	210
4-Chloro-3-methylphenol		ND		8.6	210
4-Chloroaniline		ND		61	210
4-Chlorophenyl phenyl ether		ND		4.5	210
4-Methylphenol		ND		12	410
4-Nitroaniline		ND		23	410
4-Nitrophenol		ND		51	410
Acenaphthene		2.7	J	2.5	210
Acenaphthylene		ND		1.7	210
Acetophenone		ND		11	210
Anthracene		12	J	5.3	210
Atrazine		ND		9.3	210
Benzaldehyde		ND UJ		23	210
Benzo[a]anthracene		83 J	J *	3.6	210
Benzo[a]pyrene		84 J	J *	5.0	210
Benzo[b]fluoranthene		110 J	J *	4.1	210
Benzo[g,h,i]perylene		82 J	J *	2.5	210
Benzo[k]fluoranthene		47 J	J *	2.3	210
Biphenyl		ND		13	210
bis (2-chloroisopropyl) ether		ND		22	210
Bis(2-chloroethoxy)methane		ND		11	210
Bis(2-chloroethyl)ether		ND		18	210
Bis(2-ethylhexyl) phthalate		ND UJ	*	67	210
Butyl benzyl phthalate		ND UJ	*	56	210
Caprolactam		ND		90	210
Carbazole		6.9	J	2.4	210
Chrysene		100 J	J *	2.1	210
Dibenz(a,h)anthracene		ND UJ	*	2.5	210
Dibenzofuran		ND		2.2	210
Diethyl phthalate		ND		6.3	210

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13
Client Matrix: Solid
% Moisture: 20.0

Date Sampled: 04/21/2014 1525
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891917.D
Dilution:	1.0			Initial Weight/Volume:	+30.32 g
Analysis Date:	04/29/2014 0603			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.4	210
Di-n-butyl phthalate		ND		72	210
Di-n-octyl phthalate		ND UJ	*	4.9	210
Fluoranthene		160	J	3.0	210
Fluorene		ND		4.8	210
Hexachlorobenzene		ND		10	210
Hexachlorobutadiene		ND		11	210
Hexachlorocyclopentadiene		ND		63	210
Hexachloroethane		ND		16	210
Indeno[1,2,3-cd]pyrene		87 J	J *	5.8	210
Isophorone		ND		10	210
Naphthalene		3.5	J	3.5	210
Nitrobenzene		ND		9.3	210
N-Nitrosodi-n-propylamine		ND		17	210
N-Nitrosodiphenylamine		ND		11	210
Pentachlorophenol		ND		72	410
Phenanthrene		60	J	4.4	210
Phenol		ND		22	210
Pyrene		200 J	J *	1.4	210

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	93		39 - 146
2-Fluorobiphenyl	91		37 - 120
2-Fluorophenol	85		18 - 120
Nitrobenzene-d5	78		34 - 132
Phenol-d5	81		11 - 120
p-Terphenyl-d14	123	*	65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1545
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891918.D
Dilution:	1.0			Initial Weight/Volume:	+30.53 g
Analysis Date:	04/29/2014 0626			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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 UJ	*	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 UJ		21	190
Benzo[a]anthracene		ND UJ	*	3.3	190
Benzo[a]pyrene		16 J	J *	4.6	190
Benzo[b]fluoranthene		21 J	J *	3.7	190
Benzo[g,h,i]perylene		25 J	J *	2.3	190
Benzo[k]fluoranthene		ND UJ	*	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 UJ	*	62	190
Butyl benzyl phthalate		ND UJ	*	51	190
Caprolactam		ND		83	190
Carbazole		ND		2.2	190
Chrysene		18 J	J *	1.9	190
Dibenz(a,h)anthracene		ND UJ	*	2.2	190
Dibenzofuran		ND		2.0	190
Diethyl phthalate		ND		5.8	190

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1545
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891918.D
Dilution:	1.0			Initial Weight/Volume:	+30.53 g
Analysis Date:	04/29/2014 0626			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			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 UJ	*	4.5	190
Fluoranthene		25	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 UJ	*	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		66	370
Phenanthrene		13	J	4.0	190
Phenol		ND		20	190
Pyrene		26 J	J *	1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	101		39 - 146
2-Fluorobiphenyl	97		37 - 120
2-Fluorophenol	87		18 - 120
Nitrobenzene-d5	82		34 - 132
Phenol-d5	86		11 - 120
p-Terphenyl-d14	133	*	65 - 153

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 04/21/2014 1510
Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891919.D
Dilution:	1.0			Initial Weight/Volume:	+30.39 g
Analysis Date:	04/29/2014 0650			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		40	190
2,4,6-Trichlorophenol		ND		12	190
2,4-Dichlorophenol		ND		9.7	190
2,4-Dimethylphenol		ND		50	190
2,4-Dinitrophenol		ND		65	360
2,4-Dinitrotoluene		ND		29	190
2,6-Dinitrotoluene		ND		45	190
2-Chloronaphthalene		ND		12	190
2-Chlorophenol		ND		9.4	190
2-Methylnaphthalene		ND		2.2	190
2-Methylphenol		ND		5.7	190
2-Nitroaniline		ND		59	360
2-Nitrophenol		ND		8.5	190
3,3'-Dichlorobenzidine		ND UJ	*	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		7.6	190
4-Chloroaniline		ND		54	190
4-Chlorophenyl phenyl ether		ND		3.9	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		4.7	190
Atrazine		ND		8.2	190
Benzaldehyde		ND UJ		20	190
Benzo[a]anthracene		ND UJ	*	3.2	190
Benzo[a]pyrene		ND UJ	*	4.5	190
Benzo[b]fluoranthene		ND UJ	*	3.6	190
Benzo[g,h,i]perylene		ND UJ	*	2.2	190
Benzo[k]fluoranthene		ND UJ	*	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 UJ	*	60	190
Butyl benzyl phthalate		ND UJ	*	50	190
Caprolactam		ND		80	190
Carbazole		ND		2.1	190
Chrysene		ND UJ	*	1.9	190
Dibenz(a,h)anthracene		ND UJ	*	2.2	190
Dibenzofuran		ND		1.9	190
Diethyl phthalate		ND		5.6	190

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15 | Date Sampled: 04/21/2014 1510
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 04/22/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-178793	Instrument ID:	HP5973X
Prep Method:	3550C	Prep Batch:	480-178403	Lab File ID:	X00891919.D
Dilution:	1.0			Initial Weight/Volume:	+30.39 g
Analysis Date:	04/29/2014 0650			Final Weight/Volume:	1 mL
Prep Date:	04/26/2014 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		4.8	190
Di-n-butyl phthalate		ND		64	190
Di-n-octyl phthalate		NDUJ	*	4.3	190
Fluoranthene		ND		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		NDUJ	*	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		ND		3.9	190
Phenol		ND		20	190
Pyrene		ND UJ	*	1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	101		39 - 146
2-Fluorobiphenyl	96		37 - 120
2-Fluorophenol	89		18 - 120
Nitrobenzene-d5	84		34 - 132
Phenol-d5	87		11 - 120
p-Terphenyl-d14	135	*	65 - 153

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1 | Date Sampled: 04/21/2014 1015
Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.69 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1031			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		2.7 J	J	1.8	9.5
4,4'-DDE		ND		2.0	9.5
4,4'-DDT		ND		2.2	9.5
Aldrin		ND		2.3	9.5
alpha-BHC		~~3.8~~ 9.5 U	~~J~~ B	1.7	9.5
alpha-Chlordane		ND		4.7	9.5
beta-BHC		ND		1.7	9.5
delta-BHC		~~3.1~~ 9.5 U	~~J~~ B	1.8	9.5
Dieldrin		ND		2.3	9.5
Endosulfan I		ND		1.8	9.5
Endosulfan II		6.5 J	J	1.7	9.5
Endosulfan sulfate		ND		1.8	9.5
Endrin		28		1.9	9.5
Endrin aldehyde		ND UJ		2.4	9.5
Endrin ketone		ND		2.3	9.5
gamma-BHC (Lindane)		ND		1.7	9.5
gamma-Chlordane		ND		3.0	9.5
Heptachlor		ND		2.0	9.5
Heptachlor epoxide		ND		2.4	9.5
Methoxychlor		ND		1.9	9.5
Toxaphene		ND		55	95

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		32 - 136
Tetrachloro-m-xylene	100		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1015
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.69 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1031			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		32 - 136
Tetrachloro-m-xylene	110		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 04/21/2014 1030
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.36 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1204			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		1.2 J	J	0.76	3.9
4,4'-DDE		1.4	J	0.82	3.9
4,4'-DDT		ND		0.91	3.9
Aldrin		ND		0.96	3.9
alpha-BHC		ND		0.70	3.9
alpha-Chlordane		ND		1.9	3.9
beta-BHC		ND		0.70	3.9
delta-BHC		~~1.3~~ 3.9 U	~~J~~ B	0.72	3.9
Dieldrin		ND		0.93	3.9
Endosulfan I		ND		0.75	3.9
Endosulfan II		ND		0.70	3.9
Endosulfan sulfate		ND		0.73	3.9
Endrin		4.1 J		0.77	3.9
Endrin aldehyde		ND		0.99	3.9
Endrin ketone		ND		0.96	3.9
gamma-BHC (Lindane)		1.2 J	J	0.71	3.9
gamma-Chlordane		ND		1.2	3.9
Heptachlor		ND		0.84	3.9
Heptachlor epoxide		ND		1.0	3.9
Methoxychlor		ND		0.79	3.9
Toxaphene		ND		23	39

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		32 - 136
Tetrachloro-m-xylene	88		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 04/21/2014 1030
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.36 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1204			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		32 - 136
Tetrachloro-m-xylene	105		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3 | Date Sampled: 04/21/2014 1000
Client Matrix: Solid | % Moisture: 16.9 | Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.18 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1221			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.51	J	0.39	2.0
4,4'-DDE		0.90 J	J	0.42	2.0
4,4'-DDT		ND		0.47	2.0
Aldrin		ND		0.49	2.0
alpha-BHC		ND		0.36	2.0
alpha-Chlordane		ND		0.99	2.0
beta-BHC		ND		0.36	2.0
delta-BHC		~~0.67~~ 2.0 U	~~J~~ B	0.37	2.0
Dieldrin		ND		0.48	2.0
Endosulfan I		0.45	J	0.38	2.0
Endosulfan II		ND		0.36	2.0
Endosulfan sulfate		ND		0.37	2.0
Endrin		ND		0.39	2.0
Endrin aldehyde		ND		0.51	2.0
Endrin ketone		ND		0.49	2.0
gamma-BHC (Lindane)		ND		0.37	2.0
gamma-Chlordane		0.78	J	0.63	2.0
Heptachlor		ND		0.43	2.0
Heptachlor epoxide		ND		0.51	2.0
Methoxychlor		ND		0.41	2.0
Toxaphene		ND		12	20

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		32 - 136
Tetrachloro-m-xylene	81		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3
Client Matrix: Solid
% Moisture: 16.9

Date Sampled: 04/21/2014 1000
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.18 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1221			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		32 - 136
Tetrachloro-m-xylene	105		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4 | Date Sampled: 04/21/2014 1120
Client Matrix: Solid | % Moisture: 21.3 | Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.85 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1239			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		2.0	10
4,4'-DDE		3.3	J	2.2	10
4,4'-DDT		ND		2.4	10
Aldrin		ND		2.5	10
alpha-BHC		ND		1.9	10
alpha-Chlordane		ND		5.1	10
beta-BHC		ND		1.9	10
delta-BHC		~~3.6~~ 10 U	~~J~~ B	1.9	10
Dieldrin		ND		2.5	10
Endosulfan I		ND		2.0	10
Endosulfan II		ND		1.9	10
Endosulfan sulfate		ND		1.9	10
Endrin		2.4J	J	2.0	10
Endrin aldehyde		ND		2.6	10
Endrin ketone		ND		2.5	10
gamma-BHC (Lindane)		3.2 J	J	1.9	10
gamma-Chlordane		ND		3.3	10
Heptachlor		ND		2.2	10
Heptachlor epoxide		ND		2.7	10
Methoxychlor		ND		2.1	10
Toxaphene		ND		60	100

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		32 - 136
Tetrachloro-m-xylene	105		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4
Client Matrix: Solid
% Moisture: 21.3

Date Sampled: 04/21/2014 1120
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.85 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1239			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		32 - 136
Tetrachloro-m-xylene	120		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5 | Date Sampled: 04/21/2014 1135
Client Matrix: Solid | % Moisture: 11.6 | Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.38 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1256			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		2.9	J	1.8	9.3
4,4'-DDE		3.1 J	J	2.0	9.3
4,4'-DDT		~~2.7~~ 9.3 U	~~J~~ B	2.2	9.3
Aldrin		ND		2.3	9.3
alpha-BHC		ND		1.7	9.3
alpha-Chlordane		ND		4.6	9.3
beta-BHC		ND		1.7	9.3
delta-BHC		~~3.2~~ 9.3 U	~~J~~ B	1.7	9.3
Dieldrin		ND		2.2	9.3
Endosulfan I		ND		1.8	9.3
Endosulfan II		ND		1.7	9.3
Endosulfan sulfate		ND		1.7	9.3
Endrin		ND		1.8	9.3
Endrin aldehyde		ND		2.4	9.3
Endrin ketone		ND		2.3	9.3
gamma-BHC (Lindane)		ND		1.7	9.3
gamma-Chlordane		ND		3.0	9.3
Heptachlor		ND		2.0	9.3
Heptachlor epoxide		ND		2.4	9.3
Methoxychlor		ND		1.9	9.3
Toxaphene		ND		54	93

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		32 - 136
Tetrachloro-m-xylene	104		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5
Client Matrix: Solid
% Moisture: 11.6

Date Sampled: 04/21/2014 1135
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.38 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1256			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		32 - 136
Tetrachloro-m-xylene	120		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6 | Date Sampled: 04/21/2014 1105
Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.06 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1314			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.73	J	0.38	1.9
4,4'-DDE		0.80 J	J	0.41	1.9
4,4'-DDT		ND		0.45	1.9
Aldrin		ND		0.47	1.9
alpha-BHC		ND		0.35	1.9
alpha-Chlordane		ND		0.96	1.9
beta-BHC		ND		0.35	1.9
delta-BHC		~~0.92~~ 1.9 U	~~J~~ B	0.36	1.9
Dieldrin		ND		0.46	1.9
Endosulfan I		ND		0.37	1.9
Endosulfan II		ND		0.35	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)		0.61	J	0.35	1.9
gamma-Chlordane		0.69	J	0.61	1.9
Heptachlor		ND		0.42	1.9
Heptachlor epoxide		ND		0.50	1.9
Methoxychlor		ND		0.39	1.9
Toxaphene		ND		11	19

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1105
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.06 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1314			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		32 - 136
Tetrachloro-m-xylene	94		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7 | Date Sampled: 04/21/2014 1253
Client Matrix: Solid | % Moisture: 22.5 | Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.13 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1412			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		1.6	J	0.83	4.3
4,4'-DDE		2.2	J	0.90	4.3
4,4'-DDT		~~1.5~~ 4.3	~~J~~ B U	1.0	4.3
Aldrin		ND		1.1	4.3
alpha-BHC		ND		0.77	4.3
alpha-Chlordane		ND		2.1	4.3
beta-BHC		ND		0.77	4.3
delta-BHC		~~1.7~~ 4.3	~~J~~ B U	0.80	4.3
Dieldrin		ND		1.0	4.3
Endosulfan I		ND		0.82	4.3
Endosulfan II		ND		0.77	4.3
Endosulfan sulfate		ND		0.80	4.3
Endrin		ND		0.85	4.3
Endrin aldehyde		ND		1.1	4.3
Endrin ketone		ND		1.1	4.3
gamma-BHC (Lindane)		ND		0.79	4.3
gamma-Chlordane		ND		1.4	4.3
Heptachlor		ND		0.93	4.3
Heptachlor epoxide		ND		1.1	4.3
Methoxychlor		ND		0.87	4.3
Toxaphene		ND		25	43

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		32 - 136
Tetrachloro-m-xylene	89		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 04/21/2014 1253
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.13 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1412			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		32 - 136
Tetrachloro-m-xylene	108		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8 | Date Sampled: 04/21/2014 1304
Client Matrix: Solid | % Moisture: 16.3 | Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.43 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1430			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.38	2.0
4,4'-DDE		1.3	J	0.41	2.0
4,4'-DDT		~~0.69~~ 2.0 U	~~J~~ B	0.46	2.0
Aldrin		ND		0.48	2.0
alpha-BHC		~~1.2~~ 2.0 U	~~J~~ B	0.35	2.0
alpha-Chlordane		ND		0.98	2.0
beta-BHC		ND		0.35	2.0
delta-BHC		~~0.79~~ 2.0 U	~~J~~ B	0.37	2.0
Dieldrin		0.50	J	0.47	2.0
Endosulfan I		ND		0.38	2.0
Endosulfan II		0.89 J	J	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		0.54	J	0.43	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	86		32 - 136
Tetrachloro-m-xylene	83		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 04/21/2014 1304
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.43 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1430			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		32 - 136
Tetrachloro-m-xylene	108		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9
Client Matrix: Solid
% Moisture: 13.9

Date Sampled: 04/21/2014 1245
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.69 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1447			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		1.0	J	0.37	1.9
4,4'-DDE		1.2	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		~~0.62~~ 1.9 U	~~J~~ B	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		0.47	1.9
gamma-BHC (Lindane)		ND		0.35	1.9
gamma-Chlordane		ND		0.60	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	90		32 - 136
Tetrachloro-m-xylene	81		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9
Client Matrix: Solid
% Moisture: 13.9

Date Sampled: 04/21/2014 1245
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.69 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1447			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		32 - 136
Tetrachloro-m-xylene	101		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 04/21/2014 1400
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.44 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1505			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		2.6	J	2.0	10
4,4'-DDE		4.5	J	2.1	10
4,4'-DDT		ND		2.4	10
Aldrin		ND		2.5	10
alpha-BHC		~~3.9~~ 10 U	~~J~~ B	1.8	10
alpha-Chlordane		ND		5.1	10
beta-BHC		ND		1.8	10
delta-BHC		ND		1.9	10
Dieldrin		ND		2.4	10
Endosulfan I		ND		2.0	10
Endosulfan II		ND		1.8	10
Endosulfan sulfate		ND		1.9	10
Endrin		ND		2.0	10
Endrin aldehyde		ND		2.6	10
Endrin ketone		ND		2.5	10
gamma-BHC (Lindane)		ND		1.9	10
gamma-Chlordane		ND		3.2	10
Heptachlor		ND		2.2	10
Heptachlor epoxide		ND		2.6	10
Methoxychlor		ND		2.1	10
Toxaphene		ND		59	100

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		32 - 136
Tetrachloro-m-xylene	102		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID:	480-58426-10			Date Sampled:	04/21/2014 1400
Client Matrix:	Solid	% Moisture:	19.5	Date Received:	04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.44 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1505			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		32 - 136
Tetrachloro-m-xylene	121		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1420
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1522			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.48	J	0.37	1.9
4,4'-DDE		1.5	J	0.40	1.9
4,4'-DDT		~~0.70~~ 1.9 U	~~J~~ B	0.44	1.9
Aldrin		ND		0.46	1.9
alpha-BHC		~~1.0~~ 1.9 U	~~J~~ B	0.34	1.9
alpha-Chlordane		ND		0.94	1.9
beta-BHC		ND		0.34	1.9
delta-BHC		~~0.73~~ 1.9 U	~~J~~ B	0.35	1.9
Dieldrin		0.62	J	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		0.35	1.9
gamma-Chlordane		ND		0.60	1.9
Heptachlor		ND		0.41	1.9
Heptachlor epoxide		ND		0.49	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	75		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1420
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1522			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		32 - 136
Tetrachloro-m-xylene	99		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12 | Date Sampled: 04/21/2014 1435
Client Matrix: Solid | % Moisture: 11.0 | Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.12 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1540			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		3.0	J	1.8	9.3
4,4'-DDE		6.4	J	2.0	9.3
4,4'-DDT		~~2.7~~ 9.3	~~J~~ B U	2.2	9.3
Aldrin		ND		2.3	9.3
alpha-BHC		~~3.8~~ 9.3	~~J~~ B U	1.7	9.3
alpha-Chlordane		ND		4.6	9.3
beta-BHC		ND		1.7	9.3
delta-BHC		~~3.1~~ 9.3	~~J~~ B U	1.7	9.3
Dieldrin		ND		2.2	9.3
Endosulfan I		ND		1.8	9.3
Endosulfan II		ND		1.7	9.3
Endosulfan sulfate		ND		1.7	9.3
Endrin		ND		1.8	9.3
Endrin aldehyde		ND		2.4	9.3
Endrin ketone		ND		2.3	9.3
gamma-BHC (Lindane)		ND		1.7	9.3
gamma-Chlordane		ND		3.0	9.3
Heptachlor		ND		2.0	9.3
Heptachlor epoxide		ND		2.4	9.3
Methoxychlor		ND		1.9	9.3
Toxaphene		ND		~~54~~	93

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		32 - 136
Tetrachloro-m-xylene	102		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 04/21/2014 1435
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.12 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1540			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	116		32 - 136
Tetrachloro-m-xylene	130	X	30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13 | Date Sampled: 04/21/2014 1525
Client Matrix: Solid | % Moisture: 20.0 | Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.38 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1558			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		4.0	21
4,4'-DDE		6.1	J	4.3	21
4,4'-DDT		ND		4.8	21
Aldrin		ND		5.1	21
alpha-BHC		ND		3.7	21
alpha-Chlordane		ND		10	21
beta-BHC		ND		3.7	21
delta-BHC		ND		3.8	21
Dieldrin		ND		4.9	21
Endosulfan I		ND		4.0	21
Endosulfan II		ND		3.7	21
Endosulfan sulfate		ND		3.8	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		6.5	21
Heptachlor		ND		4.5	21
Heptachlor epoxide		ND		5.3	21
Methoxychlor		ND		4.2	21
Toxaphene		ND		120	210

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: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13
Client Matrix: Solid
% Moisture: 20.0

Date Sampled: 04/21/2014 1525
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.38 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1558			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			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: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1545
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.42 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1615			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		1.8	9.5
4,4'-DDE		3.5 J	J	2.0	9.5
4,4'-DDT		ND		2.2	9.5
Aldrin		ND		2.3	9.5
alpha-BHC		ND		1.7	9.5
alpha-Chlordane		ND		4.7	9.5
beta-BHC		ND		1.7	9.5
delta-BHC		~~3.2~~ 9.5 U	~~J~~ B	1.8	9.5
Dieldrin		ND		2.3	9.5
Endosulfan I		ND		1.8	9.5
Endosulfan II		ND		1.7	9.5
Endosulfan sulfate		ND		1.8	9.5
Endrin		ND		1.9	9.5
Endrin aldehyde		ND		2.4	9.5
Endrin ketone		ND		2.3	9.5
gamma-BHC (Lindane)		ND		1.7	9.5
gamma-Chlordane		ND		3.0	9.5
Heptachlor		ND		2.1	9.5
Heptachlor epoxide		ND		2.4	9.5
Methoxychlor		ND		1.9	9.5
Toxaphene		ND		55	95

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		32 - 136
Tetrachloro-m-xylene	106		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1545
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.42 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1615			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		32 - 136
Tetrachloro-m-xylene	124		30 - 124

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 04/21/2014 1510
Date Received: 04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.85 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1633			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.35	1.8
4,4'-DDE		ND		0.38	1.8
4,4'-DDT		ND		0.42	1.8
Aldrin		ND		0.44	1.8
alpha-BHC		ND		0.32	1.8
alpha-Chlordane		ND		0.90	1.8
beta-BHC		ND		0.32	1.8
delta-BHC		~~0.59~~ 1.8	~~J~~ B U	0.34	1.8
Dieldrin		ND		0.43	1.8
Endosulfan I		ND		0.35	1.8
Endosulfan II		ND		0.32	1.8
Endosulfan sulfate		ND		0.34	1.8
Endrin		ND		0.36	1.8
Endrin aldehyde		ND		0.46	1.8
Endrin ketone		ND		0.44	1.8
gamma-BHC (Lindane)		ND		0.33	1.8
gamma-Chlordane		ND		0.57	1.8
Heptachlor		ND		0.39	1.8
Heptachlor epoxide		ND		0.46	1.8
Methoxychlor		ND		0.37	1.8
Toxaphene		ND		10	18

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		32 - 136
Tetrachloro-m-xylene	87		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID:	480-58426-15			Date Sampled:	04/21/2014 1510
Client Matrix:	Solid	% Moisture:	10.1	Date Received:	04/22/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-178220	Instrument ID:	HP6890-5
Prep Method:	3550C	Prep Batch:	480-177933	Initial Weight/Volume:	+30.85 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/25/2014 1633			Injection Volume:	1 uL
Prep Date:	04/24/2014 0812			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		32 - 136
Tetrachloro-m-xylene	111		30 - 124

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1 | Date Sampled: 04/21/2014 1015
Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1209			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			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		140	290
PCB-1260		ND		140	290

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		47 - 176
Tetrachloro-m-xylene	106		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1015
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1209			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		47 - 176
Tetrachloro-m-xylene	107		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 04/21/2014 1030
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.70 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1224			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			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	111		47 - 176
Tetrachloro-m-xylene	106		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 04/21/2014 1030
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.70 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1224			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		47 - 176
Tetrachloro-m-xylene	107		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3 | Date Sampled: 04/21/2014 1000
Client Matrix: Solid | % Moisture: 16.9 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.33 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1238			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			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	118		47 - 176
Tetrachloro-m-xylene	113		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3
Client Matrix: Solid
% Moisture: 16.9

Date Sampled: 04/21/2014 1000
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.33 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1238			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	131		47 - 176
Tetrachloro-m-xylene	114		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4 | Date Sampled: 04/21/2014 1120
Client Matrix: Solid | % Moisture: 21.3 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.24 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1253			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		55	280
PCB-1221		ND		55	280
PCB-1232		ND		55	280
PCB-1242		ND		55	280
PCB-1248		ND		55	280
PCB-1254		ND		130	280
PCB-1260		ND		130	280

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4
Client Matrix: Solid
% Moisture: 21.3

Date Sampled: 04/21/2014 1120
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.24 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1253			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		47 - 176
Tetrachloro-m-xylene	106		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5 | Date Sampled: 04/21/2014 1135
Client Matrix: Solid | % Moisture: 11.6 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.07 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1308			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		53	270
PCB-1221		ND		53	270
PCB-1232		ND		53	270
PCB-1242		ND		53	270
PCB-1248		ND		53	270
PCB-1254		ND		130	270
PCB-1260		ND		130	270

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		47 - 176
Tetrachloro-m-xylene	109		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5
Client Matrix: Solid
% Moisture: 11.6

Date Sampled: 04/21/2014 1135
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.07 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1308			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	124		47 - 176
Tetrachloro-m-xylene	110		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6 | Date Sampled: 04/21/2014 1105
Client Matrix: Solid | % Moisture: 13.8 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.61 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1323			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			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	110		47 - 176
Tetrachloro-m-xylene	108		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1105
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.61 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1323			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	122		47 - 176
Tetrachloro-m-xylene	110		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7 | Date Sampled: 04/21/2014 1253
Client Matrix: Solid | % Moisture: 22.5 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1337			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		52	270
PCB-1221		ND		52	270
PCB-1232		ND		52	270
PCB-1242		ND		52	270
PCB-1248		ND		52	270
PCB-1254		ND		130	270
PCB-1260		ND		130	270

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		47 - 176
Tetrachloro-m-xylene	101		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 04/21/2014 1253
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1337			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		47 - 176
Tetrachloro-m-xylene	97		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 04/21/2014 1304
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.42 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1352			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		48	250
PCB-1221		ND		48	250
PCB-1232		ND		48	250
PCB-1242		ND		48	250
PCB-1248		ND		48	250
PCB-1254		ND		120	250
PCB-1260		ND		120	250

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		47 - 176
Tetrachloro-m-xylene	94		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 04/21/2014 1304
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.42 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1352			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		47 - 176
Tetrachloro-m-xylene	92		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9 | Date Sampled: 04/21/2014 1245
Client Matrix: Solid | % Moisture: 13.9 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.33 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1437			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			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	108		47 - 176
Tetrachloro-m-xylene	101		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9
Client Matrix: Solid
% Moisture: 13.9

Date Sampled: 04/21/2014 1245
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.33 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1437			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		47 - 176
Tetrachloro-m-xylene	101		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10 | Date Sampled: 04/21/2014 1400
Client Matrix: Solid | % Moisture: 19.5 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1451			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		55	280
PCB-1221		ND		55	280
PCB-1232		ND		55	280
PCB-1242		ND		55	280
PCB-1248		ND		55	280
PCB-1254		ND		130	280
PCB-1260		ND		130	280

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		47 - 176
Tetrachloro-m-xylene	101		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 04/21/2014 1400
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1451			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		47 - 176
Tetrachloro-m-xylene	99		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11 | Date Sampled: 04/21/2014 1420
Client Matrix: Solid | % Moisture: 13.2 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.43 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1506			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		46	240
PCB-1221		ND		46	240
PCB-1232		ND		46	240
PCB-1242		ND		46	240
PCB-1248		ND		46	240
PCB-1254		ND		110	240
PCB-1260		ND		110	240

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		47 - 176
Tetrachloro-m-xylene	104		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1420
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.43 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1506			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	122		47 - 176
Tetrachloro-m-xylene	106		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 04/21/2014 1435
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.20 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1521			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		50	260
PCB-1221		ND		50	260
PCB-1232		ND		50	260
PCB-1242		ND		50	260
PCB-1248		ND		50	260
PCB-1254		ND		120	260
PCB-1260		ND		120	260

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 04/21/2014 1435
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.20 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1521			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		47 - 176
Tetrachloro-m-xylene	100		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13 | Date Sampled: 04/21/2014 1525
Client Matrix: Solid | % Moisture: 20.0 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1535			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			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	100		47 - 176
Tetrachloro-m-xylene	102		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13
Client Matrix: Solid
% Moisture: 20.0

Date Sampled: 04/21/2014 1525
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1535			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		47 - 176
Tetrachloro-m-xylene	101		46 - 175

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14 | Date Sampled: 04/21/2014 1545
Client Matrix: Solid | % Moisture: 13.2 | Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1550			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			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	105		47 - 176
Tetrachloro-m-xylene	106		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1545
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1550			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		47 - 176
Tetrachloro-m-xylene	106		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 04/21/2014 1510
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.16 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1605			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		50	260
PCB-1221		ND		50	260
PCB-1232		ND		50	260
PCB-1242		ND		50	260
PCB-1248		ND		50	260
PCB-1254		ND		120	260
PCB-1260		ND		120	260

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		47 - 176
Tetrachloro-m-xylene	107		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 04/21/2014 1510
Date Received: 04/22/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-177906	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-177652	Initial Weight/Volume:	+2.16 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/24/2014 1605			Injection Volume:	1 uL
Prep Date:	04/23/2014 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		47 - 176
Tetrachloro-m-xylene	109		46 - 175

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1015
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1627			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1015
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1627			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 04/21/2014 1030
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.46 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1657			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND	UJ	12	19
Silvex (2,4,5-TP)		ND	UJ	7.0	19

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 04/21/2014 1030
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.46 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1657			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	78		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3
Client Matrix: Solid
% Moisture: 16.9

Date Sampled: 04/21/2014 1000
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.19 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1746			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND	UJ	13	20
Silvex (2,4,5-TP)		ND	UJ	7.2	20

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3
Client Matrix: Solid
% Moisture: 16.9

Date Sampled: 04/21/2014 1000
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.19 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1746			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4
Client Matrix: Solid
% Moisture: 21.3

Date Sampled: 04/21/2014 1120
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1816			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	78		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4
Client Matrix: Solid
% Moisture: 21.3

Date Sampled: 04/21/2014 1120
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1816			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	78		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5
Client Matrix: Solid
% Moisture: 11.6
Date Sampled: 04/21/2014 1135
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.67 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1845			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5
Client Matrix: Solid
% Moisture: 11.6

Date Sampled: 04/21/2014 1135
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.67 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1845			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1105
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.44 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1915			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1105
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.44 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 1915			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	71		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 04/21/2014 1253
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.47 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2014			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 04/21/2014 1253
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.47 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2014			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 04/21/2014 1304
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2044			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND	UJ	12	20
Silvex (2,4,5-TP)		ND	UJ	7.1	20

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 04/21/2014 1304
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2044			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	84		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9
Client Matrix: Solid
% Moisture: 13.9

Date Sampled: 04/21/2014 1245
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.59 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2114			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9
Client Matrix: Solid
% Moisture: 13.9

Date Sampled: 04/21/2014 1245
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.59 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2114			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 04/21/2014 1400
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2143			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND	UJ	13	21
Silvex (2,4,5-TP)		ND	UJ	7.4	21

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	69		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 04/21/2014 1400
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2143			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1420
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.82 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2213			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	81		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1420
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.82 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2213			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 04/21/2014 1435
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.39 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2242			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 04/21/2014 1435
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.39 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2242			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	78		39 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13
Client Matrix: Solid
% Moisture: 20.0

Date Sampled: 04/21/2014 1525
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.14 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2312			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND	UJ	13	21
Silvex (2,4,5-TP)		ND	UJ	7.5	21

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13
Client Matrix: Solid
% Moisture: 20.0

Date Sampled: 04/21/2014 1525
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.14 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2312			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1545
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.31 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2342			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14
Client Matrix: Solid
% Moisture: 13.2

Date Sampled: 04/21/2014 1545
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.31 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/01/2014 2342			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 04/21/2014 1510
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.24 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 0011			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	PRIMARY

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

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 04/21/2014 1510
Date Received: 04/22/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-179501	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-178946	Initial Weight/Volume:	+30.24 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/02/2014 0011			Injection Volume:	1 uL
Prep Date:	04/29/2014 1412			Result Type:	SECONDARY

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1
Client Matrix: Solid
% Moisture: 13.8
Date Sampled: 04/21/2014 1015
Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.29 g
Analysis Date:	04/28/2014 1712			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10500 JH		11.6	18.0
Antimony		0.38	J	0.34	1.8
Arsenic		2.3 JH		0.38	0.90
Barium		78.5		0.45	4.5
Beryllium		0.19	J	0.018	0.45
Cadmium		0.15	J	0.060	0.45
Calcium		1500		81.9	270
Chromium		19.1		0.22	0.90
Cobalt		7.1		0.079	0.90
Copper		15.3		0.46	2.2
Iron		16400 JH		10.4	18.0
Lead		8.8		0.27	0.90
Magnesium		3910		5.8	180
Manganese		288		0.44	0.90
Nickel		14.8		0.22	0.90
Potassium		1990		10.1	270
Selenium		ND		0.54	2.2
Silver		ND		0.077	0.45
Sodium		53.1	J	37.2	180
Thallium		ND		0.38	1.8
Vanadium		28.1		0.090	0.90
Zinc		43.2 JH	B	0.39	1.8

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.53 g
Analysis Date:	04/25/2014 1045			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.034~~ .043 U	J B	0.0093	0.043

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 04/21/2014 1030
Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.49 g
Analysis Date:	04/28/2014 1719			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10800 JH		10.2	15.9
Antimony		ND		0.30	1.6
Arsenic		2.3 JH		0.33	0.79
Barium		78.7		0.40	4.0
Beryllium		0.20	J	0.016	0.40
Cadmium		0.14	J	0.053	0.40
Calcium		1360		72.2	238
Chromium		19.3		0.19	0.79
Cobalt		7.1		0.070	0.79
Copper		15.1		0.40	2.0
Iron		17100 JH		9.2	15.9
Lead		8.5		0.24	0.79
Magnesium		3940		5.1	159
Manganese		349		0.39	0.79
Nickel		15.1		0.20	0.79
Potassium		1930		8.9	238
Selenium		ND		0.48	2.0
Silver		ND		0.068	0.40
Sodium		52.3	J	32.8	159
Thallium		0.36	J	0.33	1.6
Vanadium		28.3		0.079	0.79
Zinc		41.6 JH	B	0.34	1.6

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.51 g
Analysis Date:	04/25/2014 1052			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.050 JH	B	0.0099	0.046

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3
Client Matrix: Solid
% Moisture: 16.9

Date Sampled: 04/21/2014 1000
Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.45 g
Analysis Date:	04/28/2014 1727			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11600JH		10.7	16.6
Antimony		0.46	J	0.32	1.7
Arsenic		2.5JH		0.35	0.83
Barium		92.3		0.42	4.2
Beryllium		0.20	J	0.017	0.42
Cadmium		0.14	J	0.056	0.42
Calcium		1960		75.5	249
Chromium		20.6		0.20	0.83
Cobalt		8.2		0.073	0.83
Copper		16.8		0.42	2.1
Iron		18900JH		9.6	16.6
Lead		6.7		0.25	0.83
Magnesium		4550		5.3	166
Manganese		352		0.41	0.83
Nickel		16.5		0.21	0.83
Potassium		2430		9.3	249
Selenium		ND		0.50	2.1
Silver		ND		0.071	0.42
Sodium		67.9	J	34.4	166
Thallium		ND		0.35	1.7
Vanadium		31.0		0.083	0.83
Zinc		40.0 JH	B	0.36	1.7

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.60 g
Analysis Date:	04/25/2014 1054			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.030~~ .040 U	~~J~~ B	0.0085	0.040

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4 | Date Sampled: 04/21/2014 1120
Client Matrix: Solid | % Moisture: 21.3 | Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.33 g
Analysis Date:	04/28/2014 1735			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10900 JH		12.3	19.1
Antimony		0.41	J	0.36	1.9
Arsenic		2.7 JH		0.40	0.96
Barium		70.3		0.48	4.8
Beryllium		0.24	J	0.019	0.48
Cadmium		0.18	J	0.064	0.48
Calcium		1310		87.0	287
Chromium		18.4		0.23	0.96
Cobalt		7.0		0.084	0.96
Copper		14.0		0.49	2.4
Iron		15600 JH		11.1	19.1
Lead		11.4		0.29	0.96
Magnesium		3480		6.1	191
Manganese		317		0.47	0.96
Nickel		13.9		0.24	0.96
Potassium		1470		10.7	287
Selenium		ND		0.57	2.4
Silver		ND		0.082	0.48
Sodium		50.3	J	39.6	191
Thallium		ND		0.40	1.9
Vanadium		27.7		0.096	0.96
Zinc		42.1 JH	B	0.41	1.9

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.57 g
Analysis Date:	04/25/2014 1056			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.073 JH	B	0.0095	0.044

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5 | Date Sampled: 04/21/2014 1135
Client Matrix: Solid | % Moisture: 11.6 | Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.31 g
Analysis Date:	04/28/2014 1743			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10700 JH		11.1	17.3
Antimony		ND		0.33	1.7
Arsenic		2.4 JH		0.36	0.86
Barium		71.4		0.43	4.3
Beryllium		0.24	J	0.017	0.43
Cadmium		0.15	J	0.058	0.43
Calcium		1160		78.6	259
Chromium		18.0		0.21	0.86
Cobalt		6.3		0.076	0.86
Copper		12.1		0.44	2.2
Iron		15600 JH		10.0	17.3
Lead		10.2		0.26	0.86
Magnesium		3480		5.5	173
Manganese		355		0.42	0.86
Nickel		13.5		0.22	0.86
Potassium		1350		9.7	259
Selenium		ND		0.52	2.2
Silver		ND		0.074	0.43
Sodium		53.7	J	35.8	173
Thallium		ND		0.36	1.7
Vanadium		26.9		0.086	0.86
Zinc		37.8 JH	B	0.37	1.7

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.53 g
Analysis Date:	04/25/2014 1059			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.057 JH	B	0.0091	0.042

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 04/21/2014 1105
Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.16 g
Analysis Date:	04/28/2014 1751			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11600 JH		12.9	20.0
Antimony		0.40	J	0.38	2.0
Arsenic		2.7 JH		0.42	1.0
Barium		75.6		0.50	5.0
Beryllium		0.26	J	0.020	0.50
Cadmium		0.15	J	0.067	0.50
Calcium		1350		91.0	300
Chromium		20.4		0.24	1.0
Cobalt		7.9		0.088	1.0
Copper		14.5		0.51	2.5
Iron		18000 JH		11.6	20.0
Lead		9.6		0.30	1.0
Magnesium		3810		6.4	200
Manganese		353		0.49	1.0
Nickel		14.9		0.25	1.0
Potassium		1500		11.2	300
Selenium		ND		0.60	2.5
Silver		ND		0.086	0.50
Sodium		56.4	J	41.4	200
Thallium		ND		0.42	2.0
Vanadium		30.8		0.10	1.0
Zinc		39.8 JH	B	0.43	2.0

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.58 g
Analysis Date:	04/25/2014 1101			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.056 JH	B	0.0085	0.040

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7 | Date Sampled: 04/21/2014 1253
Client Matrix: Solid | % Moisture: 22.5 | Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.21 g
Analysis Date:	04/28/2014 1758			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		14300 JH		13.8	21.3
Antimony		ND		0.41	2.1
Arsenic		2.8 JH		0.45	1.1
Barium		79.9		0.53	5.3
Beryllium		0.30	J	0.021	0.53
Cadmium		0.38	J	0.071	0.53
Calcium		1880		97.0	320
Chromium		21.6		0.26	1.1
Cobalt		8.0		0.094	1.1
Copper		19.2		0.54	2.7
Iron		20500 JH		12.4	21.3
Lead		18.4		0.32	1.1
Magnesium		4320		6.8	213
Manganese		413		0.52	1.1
Nickel		16.8		0.27	1.1
Potassium		1740		11.9	320
Selenium		0.69	J	0.64	2.7
Silver		0.13	J	0.092	0.53
Sodium		47.8	J	44.1	213
Thallium		ND		0.45	2.1
Vanadium		31.8		0.11	1.1
Zinc		72.3 JH	B	0.46	2.1

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.52 g
Analysis Date:	04/25/2014 1108			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.092 JH	B	0.011	0.049

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8 | Date Sampled: 04/21/2014 1304
Client Matrix: Solid | % Moisture: 16.3 | Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	04/28/2014 1806			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13500 JH		13.1	20.3
Antimony		ND		0.38	2.0
Arsenic		2.7 JH		0.43	1.0
Barium		85.3		0.51	5.1
Beryllium		0.30	J	0.020	0.51
Cadmium		0.22	J	0.068	0.51
Calcium		1070		92.2	304
Chromium		22.4		0.24	1.0
Cobalt		8.4		0.089	1.0
Copper		18.7		0.52	2.5
Iron		20100 JH		11.7	20.3
Lead		14.9		0.30	1.0
Magnesium		4310		6.5	203
Manganese		392		0.50	1.0
Nickel		16.6		0.25	1.0
Potassium		1990		11.3	304
Selenium		ND		0.61	2.5
Silver		0.19	J	0.087	0.51
Sodium		56.1	J	41.9	203
Thallium		ND		0.43	2.0
Vanadium		33.3		0.10	1.0
Zinc		54.0 JH	B	0.44	2.0

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.52 g
Analysis Date:	04/25/2014 1111			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.11 JH	B	0.0098	0.046

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9 | Date Sampled: 04/21/2014 1245
Client Matrix: Solid | % Moisture: 13.9 | Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.38 g
Analysis Date:	04/28/2014 1837			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		17100 JH		10.9	16.8
Antimony		0.56	J	0.32	1.7
Arsenic		1.6 J		0.35	0.84
Barium		86.7		0.42	4.2
Beryllium		0.12	J	0.017	0.42
Cadmium		0.20	J	0.056	0.42
Calcium		1480		76.6	252
Chromium		37.3		0.20	0.84
Cobalt		7.5		0.074	0.84
Copper		16.0		0.43	2.1
Iron		18600 JH	^	9.8	16.8
Lead		9.2		0.25	0.84
Magnesium		24700		5.4	168
Manganese		260 JH		0.41	0.84
Nickel		18.7		0.21	0.84
Potassium		2180		9.4	252
Selenium		ND		0.50	2.1
Silver		0.17	J	0.072	0.42
Sodium		56.0	J	34.8	168
Thallium		ND		0.35	1.7
Vanadium		40.1		0.084	0.84
Zinc		58.7 JH	B	0.36	1.7

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.59 g
Analysis Date:	04/25/2014 1113			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.040 JH	B	0.0084	0.039

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10
Client Matrix: Solid
% Moisture: 19.5

Date Sampled: 04/21/2014 1400
Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.44 g
Analysis Date:	04/28/2014 1845			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10500 JH		11.1	17.2
Antimony		0.38	J	0.33	1.7
Arsenic		2.2 J		0.36	0.86
Barium		87.5		0.43	4.3
Beryllium		0.28	J	0.017	0.43
Cadmium		0.22	J	0.058	0.43
Calcium		1230		78.5	259
Chromium		19.3		0.21	0.86
Cobalt		7.1		0.076	0.86
Copper		21.6		0.44	2.2
Iron		21100 JH	^	10.0	17.2
Lead		15.5		0.26	0.86
Magnesium		3960		5.5	172
Manganese		340 JH		0.42	0.86
Nickel		12.8		0.22	0.86
Potassium		2990		9.7	259
Selenium		0.74	J	0.52	2.2
Silver		0.26	J	0.074	0.43
Sodium		53.3	J	35.7	172
Thallium		0.40	J	0.36	1.7
Vanadium		32.1		0.086	0.86
Zinc		57.9 JH	B	0.37	1.7

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.54 g
Analysis Date:	04/25/2014 1115			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.26 JH	B	0.0098	0.046

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11
Client Matrix: Solid
% Moisture: 13.2
Date Sampled: 04/21/2014 1420
Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.39 g
Analysis Date:	04/28/2014 1852			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11600JH		10.7	16.6
Antimony		ND		0.31	1.7
Arsenic		2.2J		0.35	0.83
Barium		67.6		0.41	4.1
Beryllium		0.24	J	0.017	0.41
Cadmium		0.17	J	0.056	0.41
Calcium		957		75.4	249
Chromium		16.5		0.20	0.83
Cobalt		6.9		0.073	0.83
Copper		16.2		0.42	2.1
Iron		16100JH	^	9.6	16.6
Lead		15.2		0.25	0.83
Magnesium		3440		5.3	166
Manganese		377 JH		0.41	0.83
Nickel		13.9		0.21	0.83
Potassium		1450		9.3	249
Selenium		ND		0.50	2.1
Silver		0.12	J	0.071	0.41
Sodium		47.5	J	34.3	166
Thallium		ND		0.35	1.7
Vanadium		25.2		0.083	0.83
Zinc		46.5JH	B	0.36	1.7

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.56 g
Analysis Date:	04/25/2014 1118			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.15JH	B	0.0088	0.041

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12 | Date Sampled: 04/21/2014 1435
Client Matrix: Solid | % Moisture: 11.0 | Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.23 g
Analysis Date:	04/28/2014 1900			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		14700 JH		11.8	18.3
Antimony		0.49	J	0.35	1.8
Arsenic		3.2 J		0.38	0.91
Barium		79.9		0.46	4.6
Beryllium		0.28	J	0.018	0.46
Cadmium		0.19	J	0.061	0.46
Calcium		829		83.1	274
Chromium		23.6		0.22	0.91
Cobalt		8.4		0.080	0.91
Copper		16.6		0.47	2.3
Iron		21500 JH	^	10.6	18.3
Lead		29.7		0.27	0.91
Magnesium		4150		5.8	183
Manganese		355 JH		0.45	0.91
Nickel		17.6		0.23	0.91
Potassium		1540		10.2	274
Selenium		0.63	J	0.55	2.3
Silver		0.13	J	0.079	0.46
Sodium		47.2	J	37.8	183
Thallium		0.40	J	0.38	1.8
Vanadium		37.5		0.091	0.91
Zinc		54.2 JH	B	0.39	1.8

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.52 g
Analysis Date:	04/25/2014 1121			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.11 JH	B	0.0092	0.043

Client: Sterling Environmental Engineering PC

Job Number: 480-58426-1

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13
Client Matrix: Solid
% Moisture: 20.0
Date Sampled: 04/21/2014 1525
Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.32 g
Analysis Date:	04/28/2014 1908			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		19500 JH		12.2	18.9
Antimony		0.55	J	0.36	1.9
Arsenic		2.6 J		0.40	0.95
Barium		174		0.47	4.7
Beryllium		0.25	J	0.019	0.47
Cadmium		0.20	J	0.063	0.47
Calcium		1730		86.2	284
Chromium		30.0		0.23	0.95
Cobalt		12.0		0.083	0.95
Copper		15.1		0.48	2.4
Iron		27700 JH	^	11.0	18.9
Lead		8.9		0.28	0.95
Magnesium		6750		6.1	189
Manganese		405 JH		0.46	0.95
Nickel		25.5		0.24	0.95
Potassium		6360		10.6	284
Selenium		0.72	J	0.57	2.4
Silver		0.085	J	0.081	0.47
Sodium		91.6	J	39.2	189
Thallium		0.53	J	0.40	1.9
Vanadium		47.2		0.095	0.95
Zinc		73.0 JH	B	0.41	1.9

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.52 g
Analysis Date:	04/25/2014 1123			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.067 JH	B	0.010	0.048

Client: Sterling Environmental Engineering PC Job Number: 480-58426-1

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14 Date Sampled: 04/21/2014 1545
Client Matrix: Solid % Moisture: 13.2 Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.23 g
Analysis Date:	04/28/2014 1916			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		14400 JH		12.1	18.7
Antimony		0.59	J	0.36	1.9
Arsenic		2.8 J		0.39	0.94
Barium		88.1		0.47	4.7
Beryllium		0.22	J	0.019	0.47
Cadmium		0.17	J	0.063	0.47
Calcium		1200		85.2	281
Chromium		25.0		0.22	0.94
Cobalt		10.4		0.082	0.94
Copper		20.9		0.48	2.3
Iron		23500 JH	^	10.9	18.7
Lead		7.2		0.28	0.94
Magnesium		5610		6.0	187
Manganese		448 JH		0.46	0.94
Nickel		19.4		0.23	0.94
Potassium		2560		10.5	281
Selenium		ND		0.56	2.3
Silver		ND		0.081	0.47
Sodium		47.9	J	38.8	187
Thallium		ND		0.39	1.9
Vanadium		38.0		0.094	0.94
Zinc		49.1 JH	B	0.40	1.9

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.55 g
Analysis Date:	04/25/2014 1125			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.035~~ 0.041 U	~~J~~ B	0.0089	0.041

Client: Sterling Environmental Engineering PC | Job Number: 480-58426-1

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15 | Date Sampled: 04/21/2014 1510
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 04/22/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	200-71386	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042814-01.ttx
Dilution:	1.0			Initial Weight/Volume:	1.49 g
Analysis Date:	04/28/2014 1924			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.39 J	J	0.28	1.5
Arsenic		3.4 JH		0.31	0.75
Cadmium		0.21	J	0.050	0.37
Chromium		21.7 J		0.18	0.75
Cobalt		8.2 J		0.066	0.75
Copper		18.1 JL		0.38	1.9
Iron		19200 JH	^	8.7	14.9
Lead		8.6		0.22	0.75
Manganese		612 J		0.37	0.75
Nickel		18.2 J		0.19	0.75
Selenium		0.48 J	J	0.45	1.9
Silver		ND		0.064	0.37
Thallium		0.48	J	0.31	1.5
Vanadium		23.1 J		0.075	0.75
Zinc		43.8 JH	B	0.32	1.5

Analysis Method:	6010C	Analysis Batch:	200-71449	Instrument ID:	METICP7
Prep Method:	3050B	Prep Batch:	200-71212	Lab File ID:	042914-01.ttx
Dilution:	2.0			Initial Weight/Volume:	1.49 g
Analysis Date:	04/29/2014 2007			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12100 KJ		19.3	29.8
Barium		92.3		0.75	7.5
Beryllium		0.34	J	0.030	0.75
Calcium		921		136	448
Magnesium		5130 J		9.6	298
Potassium		2680 J	B	16.7	448
Sodium		152	J	61.8	298

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

Analysis Method:	7471B	Analysis Batch:	200-71246	Instrument ID:	MEPCV3 II
Prep Method:	7471B	Prep Batch:	200-71211	Lab File ID:	042514AA.PRN
Dilution:	1.0			Initial Weight/Volume:	.59 g
Analysis Date:	04/25/2014 1128			Final Weight/Volume:	100 mL
Prep Date:	04/24/2014 1800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.028~~ 0.037 U	J B	0.0080	0.037

General Chemistry

Client Sample ID: **SS-1A**

Lab Sample ID: 480-58426-1 Date Sampled: 04/21/2014 1015
Client Matrix: Solid % Moisture: 13.8 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.31	0.93	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0830						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.54	1.1	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1406						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	19.1	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-1B**

Lab Sample ID: 480-58426-2 Date Sampled: 04/21/2014 1030
Client Matrix: Solid % Moisture: 15.4 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.40	J	mg/Kg	0.32	0.95	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0831						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.56	1.2	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1408						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	18.9 J		mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-1C**

Lab Sample ID: 480-58426-3 Date Sampled: 04/21/2014 1000
Client Matrix: Solid % Moisture: 16.9 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.51	J	mg/Kg	0.32	0.96	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0833						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	1.8		mg/Kg	0.55	1.1	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1448						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	20.1J		mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-2A**

Lab Sample ID: 480-58426-4 Date Sampled: 04/21/2014 1120
Client Matrix: Solid % Moisture: 21.3 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.46	J	mg/Kg	0.34	1.0	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0833						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.58	1.2	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1450						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	17.9 J		mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-2B**

Lab Sample ID: 480-58426-5 Date Sampled: 04/21/2014 1135
Client Matrix: Solid % Moisture: 11.6 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.46	J	mg/Kg	0.31	0.91	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0844						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.52	1.1	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1451						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	17.5 J		mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-2C**

Lab Sample ID: 480-58426-6 Date Sampled: 04/21/2014 1105
Client Matrix: Solid % Moisture: 13.8 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.31	0.93	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0844						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.54	1.1	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1454						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	20.4	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-3A**

Lab Sample ID: 480-58426-7 Date Sampled: 04/21/2014 1253
Client Matrix: Solid % Moisture: 22.5 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.35	1.0	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0846						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.58	1.2	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1457						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	21.6	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-3B**

Lab Sample ID: 480-58426-8 Date Sampled: 04/21/2014 1304
Client Matrix: Solid % Moisture: 16.3 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.35	J	mg/Kg	0.32	0.96	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0846						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	0.59	J	mg/Kg	0.55	1.1	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1459						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	22.1 J		mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-3C**

Lab Sample ID: 480-58426-9 Date Sampled: 04/21/2014 1245
Client Matrix: Solid % Moisture: 13.9 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.82	J	mg/Kg	0.31	0.93	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0849						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.55	1.1	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1500						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	36.5 J		mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-6A**

Lab Sample ID: 480-58426-10 Date Sampled: 04/21/2014 1400
Client Matrix: Solid % Moisture: 19.5 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.34	0.99	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0850						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	0.81	J	mg/Kg	0.56	1.2	1.0	9012B
Analysis Batch: 480-178981	Analysis Date: 04/29/2014 1504						DryWt Corrected: Y
Prep Batch: 480-178896	Prep Date: 04/29/2014 1011						
Cr (III)	19.3	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-6B**

Lab Sample ID: 480-58426-11 Date Sampled: 04/21/2014 1420
Client Matrix: Solid % Moisture: 13.2 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.65	J	mg/Kg	0.31	0.92	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0856						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	0.90 J	J	mg/Kg	0.52	1.1	1.0	9012B
Analysis Batch: 480-179030	Analysis Date: 04/29/2014 2205						DryWt Corrected: Y
Prep Batch: 480-178958	Prep Date: 04/29/2014 1446						
Cr (III)	15.9 J		mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-6C**

Lab Sample ID: 480-58426-12 Date Sampled: 04/21/2014 1435
Client Matrix: Solid % Moisture: 11.0 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.40	J	mg/Kg	0.30	0.90	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0858						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.51	1.1	1.0	9012B
Analysis Batch: 480-179030	Analysis Date: 04/29/2014 2208						DryWt Corrected: Y
Prep Batch: 480-178958	Prep Date: 04/29/2014 1446						
Cr (III)	23.2 J		mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-9A**

Lab Sample ID: 480-58426-13 Date Sampled: 04/21/2014 1525
Client Matrix: Solid % Moisture: 20.0 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.74	J	mg/Kg	0.34	1.0	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0900						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	0.60	J	mg/Kg	0.56	1.2	1.0	9012B
Analysis Batch: 480-179030	Analysis Date: 04/29/2014 2211						DryWt Corrected: Y
Prep Batch: 480-178958	Prep Date: 04/29/2014 1446						
Cr (III)	29.3	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-9B**

Lab Sample ID: 480-58426-14 Date Sampled: 04/21/2014 1545
Client Matrix: Solid % Moisture: 13.2 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	0.67	J	mg/Kg	0.31	0.92	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0900						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.52	1.1	1.0	9012B
Analysis Batch: 480-179030	Analysis Date: 04/29/2014 2212						DryWt Corrected: Y
Prep Batch: 480-178958	Prep Date: 04/29/2014 1446						
Cr (III)	24.3J		mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-9C**

Lab Sample ID: 480-58426-15 Date Sampled: 04/21/2014 1510
Client Matrix: Solid % Moisture: 10.1 Date Received: 04/22/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	ND		mg/Kg	0.30	0.89	1.0	7196A
Analysis Batch: 240-129250	Analysis Date: 05/05/2014 0902						DryWt Corrected: Y
Prep Batch: 240-129172	Prep Date: 05/04/2014 1834						
Cyanide, Total	ND		mg/Kg	0.53	1.1	1.0	9012B
Analysis Batch: 480-179030	Analysis Date: 04/29/2014 2216						DryWt Corrected: Y
Prep Batch: 480-178958	Prep Date: 04/29/2014 1446						
Cr (III)	21.7	J	mg/Kg	0.63	1.5	1.0	SM 3500 CR D
Analysis Batch: 480-180299	Analysis Date: 05/06/2014 0917						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-177573	Analysis Date: 04/22/2014 2215						DryWt Corrected: N

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

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Sample No.: CCVIS 480-178628/10 Date Analyzed: 04/28/2014 14:02

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X00891884.D Heated Purge: (Y/N) N

Calibration ID: 18170

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1635773	9.20	1561463	11.40	864894	12.88
UPPER LIMIT		3271546	9.70	3122926	11.90	1729788	13.38
LOWER LIMIT		817887	8.70	780732	10.90	432447	12.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-178628/11		1208867	9.18	1094540	11.39	708819	12.87
MB 480-178403/1-A		1222987	9.18	1027717	11.39	682947	12.87
LCS 480-178403/2-A		1183332	9.19	1093054	11.39	620597	12.87
480-58426-1	SS-1A	919815	9.17	614758*	11.38	363641*	12.86
480-58426-2	SS-1B	1052701	9.17	767248*	11.38	459132	12.86
480-58426-3	SS-1C	1089222	9.17	819171	11.38	475802	12.86
480-58426-4	SS-2A	1091166	9.17	834492	11.38	481837	12.86
480-58426-5	SS-2B	1015422	9.17	781190	11.38	454698	12.86
480-58426-6	SS-2C	1100178	9.18	823113	11.39	477394	12.87
480-58426-7	SS-3A	1024689	9.19	762096*	11.39	447362	12.87
480-58426-8	SS-3B	1007542	9.17	710933*	11.38	420088*	12.86
480-58426-9	SS-3C	1072445	9.17	769077*	11.37	451753	12.85

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

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Sample No.: CCVIS 480-178793/3 Date Analyzed: 04/29/2014 04:07

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X00891912.D Heated Purge: (Y/N) N

Calibration ID: 18170

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1600590	9.18	1431462	11.38	741039	12.86
UPPER LIMIT		3201180	9.68	2862924	11.88	1482078	13.36
LOWER LIMIT		800295	8.68	715731	10.88	370520	12.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-178793/4		1166884	9.16	946429	11.36	571874	12.83
480-58426-10	SS-6A	1097150	9.16	814343	11.37	450429	12.84
480-58426-11	SS-6B	892441	9.17	602583*	11.38	366329*	12.86
480-58426-12	SS-6C	936842	9.17	646213*	11.38	370433*	12.86
480-58426-13	SS-9A	889826	9.18	564339*	11.38	344778*	12.86
480-58426-14	SS-9B	884206	9.18	566503*	11.39	318120*	12.86
480-58426-15	SS-9C	944064	9.17	638138*	11.38	354155*	12.86

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

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Lab Sample ID: ICV 480-178628/9 Calibration Date: 04/28/2014 12:34

Instrument ID: HP5973X Calib Start Date: 04/28/2014 10:11

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/28/2014 13:28

Lab File ID: X00891881.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.7574	1.197	0.0100	79000	50000	58.1*	25.0
Benzoic acid	Lin1		0.2647	0.0100	197000	200000	-1.4	25.0
Caprolactam	Lin1		0.0834	0.0100	48600	50000	-2.7	25.0
N-Nitrosodiphenylamine	Ave	0.5037	0.5128	0.0100	50900	50000	1.8	25.0
Atrazine	Ave	0.3412	0.3293	0.0100	48300	50000	-3.5	25.0
Benzidine	Lin1		0.2767	0.0100	71100	50000	42.1*	25.0
3,3'-Dichlorobenzidine	Ave	0.3154	0.3203	0.0100	50800	50000	1.6	25.0

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 5__9062.D

Lab ID: 480-58426-1 MSD Client ID: SS-1A MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	19.2	19.3	87	10	21	26-162	
4,4'-DDE	19.2	19.5	102	4	18	34-138	
4,4'-DDT	19.2	19.1	99	13	25	43-131	
Aldrin	19.2	17.7	93	0	12	37-125	
alpha-BHC	19.2	17.9	74	7	15	39-117	
alpha-Chlordane	19.2	17.5	91	7	23	29-141	
beta-BHC	19.2	17.4	91	5	19	36-139	
delta-BHC	19.2	17.2	73	4	14	23-132	
Dieldrin	19.2	30.2	157	27	12	38-135	F1 F2
Endosulfan I	19.2	16.6	86	12	18	39-128	
Endosulfan II	19.2	22.6	84	5	26	24-134	
Endosulfan sulfate	19.2	17.4	91	7	35	19-137	
Endrin	19.2	58.6	159	20	20	41-147	F1
Endrin aldehyde	19.2	8.82 J	46	61	47	20-120	F2
Endrin ketone	19.2	18.3	96	2	37	31-139	
gamma-BHC (Lindane)	19.2	17.2	90	5	12	50-120	
gamma-Chlordane	19.2	18.6	97	9	15	31-140	
Heptachlor	19.2	17.2	90	2	22	42-128	
Heptachlor epoxide	19.2	20.4	106	7	15	26-141	
Methoxychlor	19.2	21.5	112	1	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.: 480-58426-1

SDG No.:

Client Sample ID: SS-1A Lab Sample ID: 480-58426-1

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 10:31 Date Analyzed (2): 04/25/2014 10:31

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		2.38	2.36	2.42	3.8		60.6
	2		2.84	2.80	2.86	2.0		
delta-BHC	1		2.79	2.77	2.83	3.1		37.6
	2		3.46	3.42	3.48	2.1		
Endrin	1		4.59	4.55	4.61	28		33.1
	2		5.39	5.37	5.43	39		
4,4'-DDD	1		4.68	4.65	4.71	2.7		101.2
	2		5.51	5.50	5.56	8.3		
Endosulfan II	1		4.79	4.78	4.84	6.5		69.8
	2		5.63	5.58	5.64	3.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-1A MS Lab Sample ID: 480-58426-1 MS

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 11:29 Date Analyzed (2): 04/25/2014 11:29

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		2.41	2.36	2.42	16.7		14.7
	2		2.83	2.80	2.86	19.3		
gamma-BHC (Lindane)	1		2.63	2.58	2.64	16.4		16.0
	2		3.13	3.09	3.15	19.2		
beta-BHC	1		2.69	2.64	2.70	16.6		17.0
	2		3.20	3.16	3.22	19.7		
delta-BHC	1		2.82	2.77	2.83	16.4		12.0
	2		3.46	3.42	3.48	18.5		
Heptachlor	1		2.98	2.93	2.99	17.0		14.7
	2		3.54	3.50	3.56	19.6		
Aldrin	1		3.22	3.17	3.23	17.8		0.2
	2		3.85	3.81	3.87	17.7		
Heptachlor epoxide	1		3.76	3.70	3.76	19.0		5.8
	2		4.42	4.38	4.44	20.2		
gamma-Chlordane	1		3.88	3.82	3.88	16.9		11.2
	2		4.62	4.58	4.64	18.9		
alpha-Chlordane	1		4.01	3.95	4.01	16.3		17.9
	2		4.77	4.73	4.79	19.6		
4,4'-DDE	1		4.10	4.05	4.11	18.8		17.5
	2		4.95	4.91	4.97	22.4		
Endosulfan I	1		4.13	4.08	4.14	14.7		25.3
	2		4.82	4.78	4.84	19.0		
Dieldrin	1		4.37	4.32	4.38	22.9		8.6
	2		5.10	5.06	5.12	21.0		
Endrin	1		4.60	4.55	4.61	48.0		21.8
	2		5.39	5.37	5.43	59.8		
4,4'-DDD	1		4.71	4.65	4.71	21.2		9.4
	2		5.54	5.50	5.56	23.3		
Endosulfan II	1		4.83	4.78	4.84	21.6		14.2
	2		5.62	5.58	5.64	18.7		
4,4'-DDT	1		5.00	4.94	5.00	21.8		8.8
	2		5.86	5.82	5.88	20.0		
Endrin aldehyde	1		5.26	5.21	5.27	16.6		1.8
	2		5.96	5.92	5.98	16.3		
Methoxychlor	1		5.52	5.47	5.53	21.6		0.8
	2		6.55	6.51	6.57	21.4		
Endosulfan sulfate	1		5.71	5.65	5.71	16.3		12.1
	2		6.24	6.20	6.26	18.4		
Endrin ketone	1		5.98	5.93	5.99	17.9		0.8
	2		6.76	6.72	6.78	18.0		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-1A MSD Lab Sample ID: 480-58426-1 MSD

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 11:46 Date Analyzed (2): 04/25/2014 11:46

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		2.40	2.36	2.42	17.9		6.9
	2		2.83	2.80	2.86	19.2		
gamma-BHC (Lindane)	1		2.61	2.58	2.64	17.2		10.6
	2		3.12	3.09	3.15	19.2		
beta-BHC	1		2.68	2.64	2.70	17.4		11.6
	2		3.19	3.16	3.22	19.6		
delta-BHC	1		2.81	2.77	2.83	17.2		6.7
	2		3.45	3.42	3.48	18.4		
Heptachlor	1		2.97	2.93	2.99	17.2		12.9
	2		3.53	3.50	3.56	19.6		
Aldrin	1		3.21	3.17	3.23	17.7		0.2
	2		3.84	3.81	3.87	17.8		
Heptachlor epoxide	1		3.74	3.70	3.76	20.4		3.9
	2		4.41	4.38	4.44	21.2		
gamma-Chlordane	1		3.86	3.82	3.88	18.6		2.9
	2		4.61	4.58	4.64	19.1		
alpha-Chlordane	1		3.98	3.95	4.01	17.5		10.8
	2		4.76	4.73	4.79	19.5		
4,4'-DDE	1		4.08	4.05	4.11	19.5		27.2
	2		4.94	4.91	4.97	25.6		
Endosulfan I	1		4.11	4.08	4.14	16.6		16.1
	2		4.81	4.78	4.84	19.4		
Dieldrin	1		4.35	4.32	4.38	30.2		21.4
	2		5.09	5.06	5.12	24.4		
Endrin	1		4.58	4.55	4.61	58.6		31.3
	2		5.38	5.37	5.43	80.4		
4,4'-DDD	1		4.69	4.65	4.71	19.3		35.4
	2		5.53	5.50	5.56	27.6		
Endosulfan II	1		4.81	4.78	4.84	22.6		5.3
	2		5.61	5.58	5.64	21.4		
4,4'-DDT	1		4.97	4.94	5.00	19.1		6.2
	2		5.85	5.82	5.88	20.3		
Endrin aldehyde	1		5.24	5.21	5.27	8.82		50.8
	2		5.95	5.92	5.98	14.8		
Methoxychlor	1		5.50	5.47	5.53	21.5		0.8
	2		6.54	6.51	6.57	21.3		
Endosulfan sulfate	1		5.69	5.65	5.71	17.4		5.6
	2		6.23	6.20	6.26	18.4		
Endrin ketone	1		5.96	5.93	5.99	18.3		1.1
	2		6.75	6.72	6.78	18.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-1B Lab Sample ID: 480-58426-2

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 12:04 Date Analyzed (2): 04/25/2014 12:04

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		2.61	2.58	2.64	1.2		43.2
	2		3.10	3.09	3.15	0.79		
delta-BHC	1		2.81	2.77	2.83	1.3		46.6
	2		3.45	3.42	3.48	0.80		
4,4'-DDE	1		4.08	4.05	4.11	1.4		6.6
	2		4.93	4.91	4.97	1.5		
Endrin	1		4.57	4.55	4.61	4.1		37.1
	2		5.38	5.37	5.43	6.0		
4,4'-DDD	1		4.70	4.65	4.71	1.2		46.8
	2		5.51	5.50	5.56	1.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-1C Lab Sample ID: 480-58426-3

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 12:21 Date Analyzed (2): 04/25/2014 12:21

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		2.79	2.77	2.83	0.67		6.4
	2		3.44	3.42	3.48	0.71		
gamma-Chlordane	1		3.85	3.82	3.88	0.78		1.1
	2		4.60	4.58	4.64	0.79		
4,4'-DDE	1		4.08	4.05	4.11	0.90		29.8
	2		4.94	4.91	4.97	0.67		
Endosulfan I	1		4.13	4.08	4.14	0.45		9.9
	2		4.84	4.78	4.84	0.50		
4,4'-DDD	1		4.66	4.65	4.71	0.51		6.1
	2		5.52	5.50	5.56	0.48		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-2A Lab Sample ID: 480-58426-4

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 12:39 Date Analyzed (2): 04/25/2014 12:39

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		2.62	2.58	2.64	3.2		41.6
	2		3.11	3.09	3.15	2.1		
delta-BHC	1		2.79	2.77	2.83	3.6		47.9
	2		3.45	3.42	3.48	2.2		
4,4'-DDE	1		4.08	4.05	4.11	3.3		23.8
	2		4.93	4.91	4.97	4.2		
Endrin	1		4.58	4.55	4.61	2.4		101.7
	2		5.40	5.37	5.43	7.4		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-2B Lab Sample ID: 480-58426-5

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 12:56 Date Analyzed (2): 04/25/2014 12:56

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		2.79	2.77	2.83	3.2		47.0
	2		3.45	3.42	3.48	2.0		
4,4'-DDE	1		4.07	4.05	4.11	3.1		35.1
	2		4.91	4.91	4.97	4.4		
4,4'-DDD	1		4.70	4.65	4.71	2.9		17.7
	2		5.51	5.50	5.56	3.5		
4,4'-DDT	1		4.98	4.94	5.00	2.7		5.5
	2		5.85	5.82	5.88	2.6		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-2C Lab Sample ID: 480-58426-6

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 13:14 Date Analyzed (2): 04/25/2014 13:14

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		2.60	2.58	2.64	0.61		18.2
	2		3.10	3.09	3.15	0.51		
delta-BHC	1		2.78	2.77	2.83	0.92		28.5
	2		3.44	3.42	3.48	0.69		
gamma-Chlordane	1		3.85	3.82	3.88	0.69		11.5
	2		4.60	4.58	4.64	0.78		
4,4'-DDE	1		4.07	4.05	4.11	0.80		45.9
	2		4.93	4.91	4.97	1.3		
4,4'-DDD	1		4.70	4.65	4.71	0.73		7.2
	2		5.51	5.50	5.56	0.68		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-3A Lab Sample ID: 480-58426-7

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 14:12 Date Analyzed (2): 04/25/2014 14:12

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		2.80	2.77	2.83	1.7		49.4
	2		3.45	3.42	3.48	1.0		
4,4'-DDE	1		4.09	4.05	4.11	2.2		4.3
	2		4.94	4.91	4.97	2.3		
4,4'-DDD	1		4.67	4.65	4.71	1.6		11.9
	2		5.51	5.50	5.56	1.4		
4,4'-DDT	1		4.99	4.94	5.00	1.5		26.4
	2		5.85	5.82	5.88	1.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-3B Lab Sample ID: 480-58426-8

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 14:30 Date Analyzed (2): 04/25/2014 14:30

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		2.37	2.36	2.42	1.2		95.4
	2		2.85	2.80	2.86	0.43		
delta-BHC	1		2.79	2.77	2.83	0.79		50.7
	2		3.44	3.42	3.48	0.47		
Heptachlor	1		2.97	2.93	2.99	0.54		18.7
	2		3.54	3.50	3.56	0.45		
4,4'-DDE	1		4.07	4.05	4.11	1.3		31.9
	2		4.94	4.91	4.97	1.8		
Dieldrin	1		4.36	4.32	4.38	0.50		12.4
	2		5.08	5.06	5.12	0.57		
Endosulfan II	1		4.79	4.78	4.84	0.89		50.7
	2		5.62	5.58	5.64	0.53		
4,4'-DDT	1		4.97	4.94	5.00	0.69		66.0
	2		5.85	5.82	5.88	1.4		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-6A Lab Sample ID: 480-58426-10

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 15:05 Date Analyzed (2): 04/25/2014 15:05

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		2.38	2.36	2.42	3.9		41.7
	2		2.81	2.80	2.86	2.6		
4,4'-DDE	1		4.06	4.05	4.11	4.5		1.0
	2		4.92	4.91	4.97	4.5		
4,4'-DDD	1		4.69	4.65	4.71	2.6		21.2
	2		5.52	5.50	5.56	2.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-6B Lab Sample ID: 480-58426-11

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 15:22 Date Analyzed (2): 04/25/2014 15:22

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		2.37	2.36	2.42	1.0		49.4
	2		2.80	2.80	2.86	1.7		
delta-BHC	1		2.81	2.77	2.83	0.73		43.3
	2		3.44	3.42	3.48	0.47		
4,4'-DDE	1		4.07	4.05	4.11	1.5		15.0
	2		4.94	4.91	4.97	1.7		
Dieldrin	1		4.36	4.32	4.38	0.62		10.8
	2		5.08	5.06	5.12	0.69		
4,4'-DDD	1		4.69	4.65	4.71	0.48		9.0
	2		5.52	5.50	5.56	0.44		
4,4'-DDT	1		4.97	4.94	5.00	0.70		55.7
	2		5.85	5.82	5.88	1.2		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-6C Lab Sample ID: 480-58426-12

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 15:40 Date Analyzed (2): 04/25/2014 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	
alpha-BHC	1		2.37	2.36	2.42	3.8		56.7
	2		2.81	2.80	2.86	2.1		
delta-BHC	1		2.79	2.77	2.83	3.1		42.2
	2		3.45	3.42	3.48	2.0		
4,4'-DDE	1		4.08	4.05	4.11	6.4		5.5
	2		4.94	4.91	4.97	6.8		
4,4'-DDD	1		4.68	4.65	4.71	3.0		0.8
	2		5.53	5.50	5.56	3.0		
4,4'-DDT	1		4.97	4.94	5.00	2.7		21.3
	2		5.85	5.82	5.88	3.3		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: SS-9B Lab Sample ID: 480-58426-14

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 16:15 Date Analyzed (2): 04/25/2014 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	
delta-BHC	1		2.79	2.77	2.83	3.2		46.9
	2		3.44	3.42	3.48	2.0		
4,4'-DDE	1		4.06	4.05	4.11	3.5		27.7
	2		4.94	4.91	4.97	2.6		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-177933/1-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 04/25/2014 09:31 Date Analyzed (2): 04/25/2014 09:31

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		2.39	2.36	2.42	0.675		61.5
	2		2.84	2.80	2.86	0.358		
delta-BHC	1		2.81	2.77	2.83	0.618		47.8
	2		3.46	3.42	3.48	0.379		
4,4'-DDT	1		4.96	4.94	5.00	0.490		13.9
	2		5.86	5.82	5.88	0.564		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-58426-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-177933/1-A

Matrix: Solid | Lab File ID: 5__9058.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3550C | Date Extracted: 04/24/2014 08:12

Sample wt/vol: +30.18(g) | Date Analyzed: 04/25/2014 09:31

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 178220 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		1.7	0.32
72-55-9	4,4'-DDE	ND		1.7	0.35
50-29-3	4,4'-DDT	0.490	J	1.7	0.39
309-00-2	Aldrin	ND		1.7	0.41
319-84-6	alpha-BHC	0.675	J	1.7	0.30
5103-71-9	alpha-Chlordane	ND		1.7	0.83
319-85-7	beta-BHC	ND		1.7	0.30
319-86-8	delta-BHC	0.618	J	1.7	0.31
60-57-1	Dieldrin	ND		1.7	0.40
959-98-8	Endosulfan I	ND		1.7	0.32
33213-65-9	Endosulfan II	ND		1.7	0.30
1031-07-8	Endosulfan sulfate	ND		1.7	0.31
72-20-8	Endrin	ND		1.7	0.33
7421-93-4	Endrin aldehyde	ND		1.7	0.42
53494-70-5	Endrin ketone	ND		1.7	0.41
58-89-9	gamma-BHC (Lindane)	ND		1.7	0.30
5103-74-2	gamma-Chlordane	ND		1.7	0.53
76-44-8	Heptachlor	ND		1.7	0.36
1024-57-3	Heptachlor epoxide	ND		1.7	0.43
72-43-5	Methoxychlor	ND		1.7	0.34
8001-35-2	Toxaphene	ND		17	9.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	80		32-136
877-09-8	Tetrachloro-m-xylene	84		30-124

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Lab Sample ID: CCV 480-179501/11 Calibration Date: 05/01/2014 19:45

Instrument ID: HP5890-13 Calib Start Date: 04/08/2014 17:12

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 04/08/2014 20:10

Lab File ID: 13_58137.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1647968		0.286	0.250	14.4	15.0
Dichlorprop	Qua		1703576		0.299	0.250	19.7*	15.0
2,4-D	Qua		2019036		0.304	0.250	21.7*	15.0
Pentachlorophenol	Lin1		14288496		0.259	0.250	3.6	15.0
Silvex (2,4,5-TP)	Qua		6821296		0.293	0.250	17.3*	15.0
2,4,5-T	Qua		6883844		0.289	0.250	15.5*	15.0
Picloram	Qua		5188088		0.286	0.250	14.3	15.0
Dinoseb	Qua		5040008		0.290	0.250	16.0*	15.0
2,4-Dichlorophenylacetic acid	Qua		1715800		0.300	0.250	20.1*	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Lab Sample ID: CCV 480-179501/22 Calibration Date: 05/02/2014 01:10

Instrument ID: HP5890-13 Calib Start Date: 04/08/2014 17:12

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 04/08/2014 20:10

Lab File ID: 13_58148.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1655292		0.287	0.250	14.9	15.0
Dichlorprop	Qua		1658200		0.290	0.250	16.0*	15.0
2,4-D	Qua		1957764		0.294	0.250	17.6*	15.0
Pentachlorophenol	Lin1		13979404		0.253	0.250	1.3	15.0
Silvex (2,4,5-TP)	Qua		6559100		0.280	0.250	12.1	15.0
2,4,5-T	Qua		6669044		0.279	0.250	11.5	15.0
Picloram	Qua		5193600		0.286	0.250	14.4	15.0
Dinoseb	Qua		4871848		0.279	0.250	11.5	15.0
2,4-Dichlorophenylacetic acid	Qua		1642140		0.285	0.250	14.1	15.0

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 480-58426-1

SDG No.:

ICV Source: MELLCCV6010LR_00007 Concentration Units: ug/L

CCV Source: MELLCCV6010LR_00007

Analyte	ICVL 200-71386/8 04/28/2014 13:13				CCVL 200-71386/35 04/28/2014 16:41				CCVL 200-71386/48 04/28/2014 18:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	225.8		200	113	218.7		200	109	222.4		200	111
Antimony	19.05	J	20.0	95	20.58		20.0	103	17.90	J	20.0	90
Arsenic	9.28	J	10.0	93	10.02		10.0	100	11.25		10.0	112
Barium	54.32		50.0	109	52.35		50.0	105	52.84		50.0	106
Beryllium	5.13		5.00	103	5.05		5.00	101	5.24		5.00	105
Cadmium	4.86	J	5.00	97	4.94	J	5.00	99	5.02		5.00	100
Calcium	3077		3000	103	3041		3000	101	3143		3000	105
Chromium	10.01		10.0	100	9.97	J	10.0	100	10.0		10.0	100
Cobalt	10.54		10.0	105	10.34		10.0	103	10.64		10.0	106
Copper	23.85	J	25.0	95	26.80		25.0	107	24.16	J	25.0	97
Iron	208.8		200	104	253.5		200	127	222.0		200	111
Lead	9.85	J	10.0	99	10.09		10.0	101	9.35	J	10.0	93
Magnesium	2025		2000	101	2065		2000	103	2082		2000	104
Manganese	10.45		10.0	105	10.69		10.0	107	10.76		10.0	108
Nickel	10.52		10.0	105	10.26		10.0	103	10.69		10.0	107
Potassium	3165		3000	106	3098		3000	103	3115		3000	104
Selenium	24.67	J	25.0	99	24.44	J	25.0	98	25.65		25.0	103
Silver	5.06		5.00	101	4.69	J	5.00	94	4.69	J	5.00	94
Sodium	2024		2000	101	2037		2000	102	2068		2000	103
Thallium	20.69		20.0	103	20.08		20.0	100	18.92	J	20.0	95
Vanadium	10.42		10.0	104	9.61	J	10.0	96	10.58		10.0	106
Zinc	20.37		20.0	102	20.11		20.0	101	20.52		20.0	103

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 Burlington Job No.: 480-58426-1

SDG No.:

ICV Source: MELLCCV6010LR_00007 Concentration Units: ug/L

CCV Source: MELLCCV6010LR_00007

Analyte	CCVL 200-71386/61 04/28/2014 20:02				CCVL 200-71386/74 04/28/2014 21:44							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	211.6		200	106								
Antimony	19.39	J	20.0	97	18.65	J	20.0	93				
Arsenic	8.15	J	10.0	81	8.02	J	10.0	80				
Barium	53.50		50.0	107								
Beryllium	5.04		5.00	101								
Cadmium	4.98	J	5.00	100	5.12		5.00	102				
Calcium	3109		3000	104								
Chromium	10.12		10.0	101	10.23		10.0	102				
Cobalt	10.94		10.0	109	10.91		10.0	109				
Copper	23.85	J	25.0	95	24.14	J	25.0	97				
Iron	573.6		200	287	310.4		200	155				
Lead	9.24	J	10.0	92	10.34		10.0	103				
Magnesium	2044		2000	102								
Manganese	12.70		10.0	127	11.23		10.0	112				
Nickel	10.34		10.0	103	10.38		10.0	104				
Potassium	3098		3000	103								
Selenium	23.22	J	25.0	93	23.08	J	25.0	92				
Silver	4.57	J	5.00	91	5.01		5.00	100				
Sodium	2059		2000	103								
Thallium	20.83		20.0	104	21.42		20.0	107				
Vanadium	10.06		10.0	101	10.34		10.0	103				
Zinc	21.38		20.0	107	20.96		20.0	105				

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 Burlington Job No.: 480-58426-1

SDG No.:

ICV Source: MELLCCV6010LR_00007 Concentration Units: ug/L

CCV Source: MELLCCV6010LR_00007

Analyte	ICVL 200-71449/8 04/29/2014 18:56				CCVL 200-71449/26 04/29/2014 21:17							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	224.8		200	112	248.3		200	124				
Barium	51.11		50.0	102	50.25		50.0	100				
Beryllium	5.50		5.00	110	5.84		5.00	117				
Calcium	3173		3000	106	3175		3000	106				
Magnesium	2120		2000	106	2119		2000	106				
Potassium	3082		3000	103	3083		3000	103				
Sodium	2122		2000	106	2172		2000	109				

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 Burlington Job No.: 480-58426-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 200-71386/9 04/28/2014 13:20		CCB 200-71386/14 04/28/2014 13:59		CCB 200-71386/36 04/28/2014 16:49		CCB 200-71386/49 04/28/2014 18:29	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	ND		ND		ND		ND	
Antimony	20.0	ND		ND		ND		ND	
Arsenic	10.0	ND		ND		ND		ND	
Barium	50.0	ND		ND		ND		ND	
Beryllium	5.0	ND		ND		ND		ND	
Cadmium	5.0	ND		ND		ND		ND	
Calcium	3000	ND		ND		ND		ND	
Chromium	10.0	ND		ND		ND		ND	
Cobalt	10.0	ND		ND		ND		ND	
Copper	25.0	ND		ND		ND		ND	
Iron	200	ND		ND		ND		61.37	J
Lead	10.0	ND		ND		ND		ND	
Magnesium	2000	ND		ND		ND		ND	
Manganese	10.0	ND		ND		ND		ND	
Nickel	10.0	ND		ND		ND		ND	
Potassium	3000	ND		ND		ND		ND	
Selenium	25.0	ND		ND		ND		ND	
Silver	5.0	ND		ND		ND		ND	
Sodium	2000	ND		ND		ND		ND	
Thallium	20.0	ND		ND		ND		ND	
Vanadium	10.0	ND		ND		ND		ND	
Zinc	20.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 480-58426-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 200-71211/8-A 04/25/2014 10:34		CCB 200-71211/10-A 04/25/2014 10:38		CCB 200-71211/10-A 04/25/2014 11:06		CCB 200-71211/10-A 04/25/2014 11:32	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		0.0740	J	ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 480-58426-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 200-71212/1-A

Instrument Code: METICP7 Batch No.: 71386

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010C
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	ND			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
7440-66-6	Zinc	0.555	J		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 480-58426-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 200-71211/11-A

Instrument Code: MEPCV3 II Batch No.: 71246

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0150	J		7471B

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SS-9C MS
Lab ID: 480-58426-15 MS
Lab Name: TestAmerica Burlington
Job No.: 480-58426-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 89.9

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10840		12100		157	-806	80-120	4	6010C
Antimony	18.89		0.39	J	39.1	47	80-120	F1	6010C
Arsenic	17.57		3.4		18.8	76	80-120	F1	6010C
Barium	220.2		92.3		157	82	80-120		6010C
Beryllium	4.09		0.34	J	3.91	96	80-120		6010C
Cadmium	15.36		0.21	J	19.6	77	80-120	F1	6010C
Calcium	2374		921		1570	93	80-120		6010C
Chromium	34.20		21.7		15.7	80	80-120		6010C
Cobalt	39.67		8.2		39.1	80	80-120		6010C
Copper	31.10		18.1		19.6	66	80-120	F1	6010C
Iron	17120		19200		78.3	-2710	80-120	^ 4	6010C
Lead	34.36		8.6		32.9	78	80-120	F1	6010C
Magnesium	5629		5130		1570	32	80-120	F1	6010C
Manganese	417.5		612		39.1	-496	80-120	4	6010C
Nickel	47.09		18.2		39.1	74	80-120	F1	6010C
Potassium	3644		2680		1570	61	80-120	F1	6010C
Selenium	14.86		0.48	J	19.6	73	80-120	F1	6010C
Silver	15.89		ND		19.6	81	80-120		6010C
Sodium	1495		152	J	1570	86	80-120		6010C
Thallium	16.11		0.48	J	19.6	80	80-120		6010C
Vanadium	53.74		23.1		39.1	78	80-120	F1	6010C
Zinc	69.64		43.8		39.1	66	80-120	F1	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 VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: SS-9C PDS | Lab ID: 480-58426-15 PDS

Lab Name: TestAmerica Burlington | Job No.: 480-58426-1

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	12020		12100		149	NC	80-120		6010C
Antimony	28.50		0.39	J	37.3	75	80-120	W	6010C
Arsenic	17.10		3.4		17.9	77	80-120	W	6010C
Barium	279.5		92.3		149	125	80-120	W	6010C
Beryllium	5.28		0.34	J	3.73	133	80-120	W	6010C
Cadmium	14.90		0.21	J	18.7	79	80-120	W	6010C
Calcium	2375		921		1490	97	80-120		6010C
Chromium	33.05		21.7		14.9	76	80-120	W	6010C
Cobalt	37.47		8.2		37.3	79	80-120	W	6010C
Copper	32.00		18.1		18.7	74	80-120	W	6010C
Iron	18880		19200		74.6	NC	80-120	^	6010C
Lead	37.06		8.6		31.3	91	80-120		6010C
Magnesium	6406		5130		1490	86	80-120		6010C
Manganese	610.7		612		37.3	NC	80-120		6010C
Nickel	46.58		18.2		37.3	76	80-120	W	6010C
Potassium	4019		2680		1490	89	80-120		6010C
Selenium	14.89		0.48	J	18.7	77	80-120	W	6010C
Silver	2.81		ND		3.73	75	80-120	W	6010C
Sodium	1488		152	J	1490	89	80-120		6010C
Thallium	17.38		0.48	J	18.7	91	80-120		6010C
Vanadium	52.51		23.1		37.3	79	80-120	W	6010C
Zinc	71.89		43.8		37.3	75	80-120	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

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 480-58426-15

SDG No:

Lab Name: TestAmerica Burlington Job No: 480-58426-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	12100		13810		14	V	6010C
Antimony	0.39	J	ND		NC		6010C
Arsenic	3.4		4.85		NC		6010C
Barium	92.3		105.2		14	V	6010C
Beryllium	0.34	J	0.359	J	NC		6010C
Cadmium	0.21	J	0.343	J	NC		6010C
Calcium	921		1046	J	NC		6010C
Chromium	21.7		27.64		27	V	6010C
Cobalt	8.2		10.61		30	V	6010C
Copper	18.1		22.23		NC		6010C
Iron	19200		24320		26	^ V	6010C
Lead	8.6		9.83		NC		6010C
Magnesium	5130		5873		15	V	6010C
Manganese	612		798.9		31	V	6010C
Nickel	18.2		23.69		30	V	6010C
Potassium	2680		3058		14	V	6010C
Selenium	0.48	J	ND		NC		6010C
Silver	ND		ND		NC		6010C
Sodium	152	J	ND		NC		6010C
Thallium	0.48	J	ND		NC		6010C
Vanadium	23.1		28.32		22	V	6010C
Zinc	43.8		56.97		30	V	6010C

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

FORM VIII-IN

6-IN
DUPLICATES
METALS

Client ID: SS-9C DU | Lab ID: 480-58426-15 DU

Lab Name: TestAmerica Burlington | Job No.: 480-58426-1

SDG No.:

% Solids for Sample: 89.9 | % Solids for Duplicate: 89.9

Matrix: Solid | Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	31.5	12100		11570		4		6010C
Antimony	1.6	0.39	J	0.319	J	21		6010C
Arsenic	0.79	3.4		3.37		0.1		6010C
Barium	7.9	92.3		81.48		12		6010C
Beryllium	0.79	0.34	J	0.347	J	2		6010C
Cadmium	0.39	0.21	J	0.143	J	37		6010C
Calcium	473	921		1025		11		6010C
Chromium	0.79	21.7		20.40		6		6010C
Cobalt	0.79	8.2		7.53		8		6010C
Copper	2.0	18.1		17.08		6		6010C
Iron	15.8	19200		18920		2		6010C
Lead	0.79	8.6		7.18		18		6010C
Magnesium	315	5130		4775		7		6010C
Manganese	0.79	612		462.8		28	F3	6010C
Nickel	0.79	18.2		16.38		10		6010C
Potassium	473	2680		2163		22	F3	6010C
Selenium	2.0	0.48	J	ND		NC		6010C
Silver	0.39	ND		ND		NC		6010C
Sodium	315	152	J	ND		NC		6010C
Thallium	1.6	0.48	J	ND		NC		6010C
Vanadium	0.79	23.1		22.13		4		6010C
Zinc	1.6	43.8		41.50		5		6010C

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

FORM VI-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-58426-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 178981	Date: 04/29/2014 14:53		Prep Batch: 178896	Date: 04/29/2014 10:11				
9012B	SS-2B	480-58426-5	Cyanide, Total	ND	mg/Kg			
9012B	SS-2B	480-58426-5 DU	Cyanide, Total	ND	mg/Kg	NC	15	
Batch ID: 179030	Date: 04/29/2014 22:06		Prep Batch: 178958	Date: 04/29/2014 14:46				
9012B	SS-6B	480-58426-11	Cyanide, Total	0.90	mg/Kg			J
9012B	SS-6B	480-58426-11 DU	Cyanide, Total	0.661	mg/Kg	30	15	J

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

FORM VI-IN