Data Usability Summary Report

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

Mt. Kisco
TestAmerica SDG#480-58807-1
May 23, 2022
Sampling date: 4/25/2014

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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Sterling Environmental Engineering, project located at Mt. Kisco, TestAmerica #480-58807-1 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 (8151), PCB (8082A), Pesticide (8081B), Inorganics (6010C), Mercury (7470A) and in accordance with wet chemistry methods.

DUSR ID	Sample ID	Laboratory ID
1	P1-1(SED)	480-58807-1
2	P1-2(SED)	480-58807-2
3	P2-1(SED)	480-58807-3
4	P2-2(SED)	480-58807-4

The temperature of the samples arrived outside QC limits, high. All target analytes in all of the analyses should be qualified as estimated.

VOLATILE ORGANIC COMPOUNDS

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

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

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

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

Samples: DUSR ID # 1-4 and LB 480-178952/1-A were diluted due to sample matrix.

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
No field duplicate was acquired.

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. That target analyte should be qualified as estimated in the associated blanks, spikes and samples.

ICal instrument ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal HP5973G	Chloroform	RRF	UJ/J	MB/LCS 480-179119, LB 480-178952, 1-4

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

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

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

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

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

DATA COMPLETENESS
All criteria were met.

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

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

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 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, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
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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 gamma-BHC was outside QC limits between the columns in LB 480-180381/1-F and should be qualified as estimated. This target analyte should be qualified in the samples in which it was detected.

Blank ID	Target Analyte	Concentration(mg/L)	Qualifier	Associated Sample
LB 480-180381	gamma-BHC	.0000465	U at RL	1, 2

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of gamma-BHC and Chlordane was outside QC limits between the columns in DUSR ID#1, 2 and should be qualified as estimated.

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

CONTINUING CALIBRATION
All criteria were met except a target analyte and surrogate were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Column ID	Target Analyte/Surrogate	%D	Qualifier	Associated Sample
480-181145/4	RTX-CLPI	DCBP	-26.9	J	MB/LCS/LCSD 480-180803, LB 480-180381, 1-4
480-181145/15	RTX-CLPII	Chlordane peak 1	25.7	UJ/J	MB 480-180803, LB 480-180381, 1-4

Some target analytes were outside QC limits off the confirmatory column, so no further action is required.

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 except where qualified below in Surrogate Spike Recoveries, Compound Quantitation, Initial Calibration and 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 for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column ZB-35 was outside QC limits, high in sample #1 and should be qualified as estimated. ZB-35 was the confirmatory column, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of Aroclor 1260 in sample #1 and 2 and Aroclor 1254 in sample #2 were outside QC limits between the columns and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met except a single point calibration was used for Aroclor 1254. All detects of Aroclor 1254 should be qualified as estimated.
Alternate forms of regression were used on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except some target analytes were outside QC limits off the confirmatory column. No further action is required.
No continuing calibration was performed on Aroclor 1254. This target analyte was detected in some of the samples and should be qualified as estimated.

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 Surrogate Spike Recoveries.

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 except the %Rec of 2,4-Dichlorophenylacetic acid was outside QC limits, low in LB 480-180381/1-E and DUSR ID#1-4 off column RTX-CLPI and should be qualified as estimated. This column was prime, so all target analytes in these samples should be qualified as estimated.
The %Rec of the 2,4-Dichlorophenylacetic acid was outside QC limits, low in DUSR ID#1, 3, 4 off column RTX-CLPII and should be qualified as estimated. This column was confirmatory, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

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.

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, Laboratory Control Samples 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
LB 480-178938	Cr	.00234 mg/L	U at RL	2-4
LB 480-178938	Cr	.00234 mg/L	JH	1
LB 480-178938	Ba	.00406 mg/L	JH	1-4

LABORATORY CONTROL SAMPLE
All criteria were met except some target analytes were outside QC limits in the laboratory control sample and should be qualified as estimated. These target analytes should be qualified in the associated samples.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
480-179227	Hg	72	J	1-4

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

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

Cal ID	Target Analyte	%Rec	Qualifier	Associated Sample
ICVL 480-179610-7	Cd	84	UJ/J	MB/LCS 480-179227, LB 480-178938, 1-4
CCVL 480-179610-16	As	80	UJ/J	MB/LCS 480-179227, LB 480-178938
CCVL 480-179610-16	Cd	79	UJ/J	MB/LCS 480-179227, LB 480-178938
CCVL 480-179610-16	Ba	117	JH	MB/LCS 480-179227, LB 480-178938
CCVL 480-179610-23	As	86	UJ/J	MB/LCS 480-179227, LB 480-178938
CCVL 480-179610-23	Cd	82	UJ/J	MB/LCS 480-179227, LB 480-178938
CCVL 480-179610-23	Pb	87	UJ/J	MB/LCS 480-179227, LB 480-178938
CCVL 480-179610-23	Ba	120	JH	MB/LCS 480-179227, LB 480-178938
CCVL 480-179610-33	As	83	UJ/J	1-4
CCVL 480-179610-33	Cd	81	UJ/J	1-4
CCVL 480-179610-33	Pb	88	UJ/J	1-4
CCVL 480-179610-33	Cr	85	UJ/J	1-4
CCVL 480-179610-33	Ag	85	UJ/J	1-4
CCVL 480-179610-33	Ba	119	JH	1-4
CCVL 480-179610-40	As	88	UJ/J	1-4
CCVL 480-179610-40	Cd	79	UJ/J	1-4
CCVL 480-179610-40	Pb	88	UJ/J	1-4
CCVL 480-179610-40	Ba	127	JH	1-4

GENERAL CHEMISTRY

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

- Cyanide
- Sulfide
- pH/Flashpoint

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 %Rec of Cn was outside QC limits, low in LCS/LCSD 480-179770 and should be qualified as estimated. This target analyte should be qualified as estimated in the samples.

SULFIDE
All criteria were met.

pH/FLASHPOINT
All criteria were met.

Comments
No additional comments.

Receipt
The samples were received on 4/28/2014 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 13 coolers at receipt time were 2.3º C, 3.1º C, 4.9º C, 5.3º C, 7.3º C, 9.0º C, 9.0º C, 9.2º C, 9.3º C, 10.6º C, 10.7º C, 11.1º C and 11.3º C.

GC/MS VOA
Method(s) 8260C: The following sample(s) was diluted due to the nature of the TCLP sample matrix: (LB 480-178952/1-A), P1-1(Sed) (480-58807-1), P1-2(Sed) (480-58807-2), P2-1(Sed) (480-58807-3), P2-2(Sed) (480-58807-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-180799 recovered outside control limits for the following analytes: 3-Methylphenol and 4-Methylphenol. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081B: All primary data is reported from the RTX-CLPII column.

Method(s) 8081B: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8081B: The extraction laboratory blank (LB 480-180381/1-F) contained the analyte gamma-BHC (Lindane) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Decachlorobiphenyl exceeded 20%, indicating a high bias. (CCV 480-179084/85), (CCV 480-179084/92)

Method(s) 8082A: All primary data is reported from the ZB-5 column.

Method(s) 8082A: The surrogate percent difference in the associated continuing calibration verification CCV 480-179084/73 for Decachlorobiphenyl exceeded 20% on the ZB-5 column, indicating a high bias.

Method(s) 8151A: Surrogate recovery for the following samples was outside control limits: (LB 480-180381/1-E), P1-1(Sed) (480-58807-1), P1-2(Sed) (480-58807-2), P2-1(Sed) (480-58807-3), P2-2(Sed) (480-58807-4). This is routine for TCLP herbicides, due to the pH effects created during the leaching process, inhibiting the herbicide extraction procedure.

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 TCLP Extractor Blank, LB 480-178938, contained total barium above the reporting limit (RL). The associated samples P1-1(Sed) (480-58807-1), P1-2(Sed) (480-58807-2), P2-1(Sed) (480-58807-3), P2-2(Sed) (480-58807-4) contained detects for this analyte at concentrations greater than 10X the value found in the TCLP Extractor Blank; therefore, re-extraction and/or re-analysis of the samples was not performed.

Method(s) 6010C: The TCLP Extractor Blank, LB 480-178938, contained total chromium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples P1-1(Sed) (480-58807-1), P1-2(Sed) (480-58807-2), P2-1(Sed) (480-58807-3), P2-2(Sed) (480-58807-4) was not performed.

Method(s) 7470A: The laboratory control sample (LCS) associated with batch 179227 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported per project manager instruction. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 180799.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 180803

Method(s) 3550C: During extraction, the technician accidentally added an additional 1.0mL Hexane. Final volume became 11mL instead of the 8082 Method's 10mL: P1-1(Sed) (480-58807-1), P1-2(Sed) (480-58807-2). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1

Client Matrix: Solid

All target analytes should be qualified as estimated.

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8260C TCLP Volatiles-TCLP

Analysis Method:	8260C	Analysis Batch:	480-179119	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G29951.D
Dilution:	10	Leach Batch:	480-178952	Initial Weight/Volume:	5 mL
Analysis Date:	04/30/2014 1736			Final Weight/Volume:	5 mL
Prep Date:	04/30/2014 1736				
Leach Date:	04/29/2014 1432				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,1-Dichloroethene		ND		0.0029	0.010
1,2-Dichloroethane		0.054		0.0021	0.010
2-Butanone (MEK)		ND		0.013	0.050
Benzene		ND		0.0041	0.010
Carbon tetrachloride		ND		0.0027	0.010
Chlorobenzene		ND		0.0075	0.010
Chloroform		ND		0.0034	0.010
Tetrachloroethene		ND		0.0036	0.010
Trichloroethene		ND		0.0046	0.010
Vinyl chloride		ND		0.0090	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-2(Sed)**

Lab Sample ID: 480-58807-2

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8260C TCLP Volatiles-TCLP

Analysis Method:	8260C	Analysis Batch:	480-179119	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G29952.D
Dilution:	10	Leach Batch:	480-178952	Initial Weight/Volume:	5 mL
Analysis Date:	04/30/2014 1759			Final Weight/Volume:	5 mL
Prep Date:	04/30/2014 1759				
Leach Date:	04/29/2014 1432				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,1-Dichloroethene		ND		0.0029	0.010
1,2-Dichloroethane		ND		0.0021	0.010
2-Butanone (MEK)		ND		0.013	0.050
Benzene		ND		0.0041	0.010
Carbon tetrachloride		ND		0.0027	0.010
Chlorobenzene		ND		0.0075	0.010
Chloroform		ND		0.0034	0.010
Tetrachloroethene		ND		0.0036	0.010
Trichloroethene		ND		0.0046	0.010
Vinyl chloride		ND		0.0090	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-3

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8260C TCLP Volatiles-TCLP

Analysis Method:	8260C	Analysis Batch:	480-179119	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G29953.D
Dilution:	10	Leach Batch:	480-178952	Initial Weight/Volume:	5 mL
Analysis Date:	04/30/2014 1822			Final Weight/Volume:	5 mL
Prep Date:	04/30/2014 1822				
Leach Date:	04/29/2014 1432				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,1-Dichloroethene		ND		0.0029	0.010
1,2-Dichloroethane		0.0075	J	0.0021	0.010
2-Butanone (MEK)		ND		0.013	0.050
Benzene		ND		0.0041	0.010
Carbon tetrachloride		ND		0.0027	0.010
Chlorobenzene		ND		0.0075	0.010
Chloroform		ND		0.0034	0.010
Tetrachloroethene		ND		0.0036	0.010
Trichloroethene		ND		0.0046	0.010
Vinyl chloride		ND		0.0090	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-4

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8260C TCLP Volatiles-TCLP

Analysis Method:	8260C	Analysis Batch:	480-179119	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G29954.D
Dilution:	10	Leach Batch:	480-178952	Initial Weight/Volume:	5 mL
Analysis Date:	04/30/2014 1845			Final Weight/Volume:	5 mL
Prep Date:	04/30/2014 1845				
Leach Date:	04/29/2014 1432				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,1-Dichloroethene		ND		0.0029	0.010
1,2-Dichloroethane		ND		0.0021	0.010
2-Butanone (MEK)		ND		0.013	0.050
Benzene		ND		0.0041	0.010
Carbon tetrachloride		ND		0.0027	0.010
Chlorobenzene		ND		0.0075	0.010
Chloroform		ND		0.0034	0.010
Tetrachloroethene		ND		0.0036	0.010
Trichloroethene		ND		0.0046	0.010
Vinyl chloride		ND		0.0090	0.010

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

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8270D Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8270D	Analysis Batch:	480-180978	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-180799	Lab File ID:	V0243.D
Dilution:	1.0	Leach Batch:	480-180381	Initial Weight/Volume:	250 mL
Analysis Date:	05/08/2014 2122			Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0629			Injection Volume:	1 uL
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		ND		0.00046	0.010
2,4,5-Trichlorophenol		ND		0.00048	0.0050
2,4,6-Trichlorophenol		ND		0.00061	0.0050
2,4-Dinitrotoluene		ND		0.00045	0.0050
2-Methylphenol		ND		0.00040	0.0050
3-Methylphenol		ND	*	0.00040	0.010
4-Methylphenol		ND	*	0.00036	0.010
Hexachlorobenzene		ND		0.00051	0.0050
Hexachlorobutadiene		ND		0.00068	0.0050
Hexachloroethane		ND		0.00059	0.0050
Nitrobenzene		ND		0.00029	0.0050
Pentachlorophenol		ND		0.0022	0.010
Pyridine		ND		0.00041	0.025

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	81		52 - 132
2-Fluorobiphenyl	76		48 - 120
2-Fluorophenol	38		20 - 120
Nitrobenzene-d5	75		46 - 120
Phenol-d5	28		16 - 120
p-Terphenyl-d14	87		67 - 150

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-2(Sed)**

Lab Sample ID: 480-58807-2

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8270D Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8270D	Analysis Batch:	480-180978	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-180799	Lab File ID:	V0244.D
Dilution:	1.0	Leach Batch:	480-180381	Initial Weight/Volume:	250 mL
Analysis Date:	05/08/2014 2146			Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0629			Injection Volume:	1 uL
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		ND		0.00046	0.010
2,4,5-Trichlorophenol		ND		0.00048	0.0050
2,4,6-Trichlorophenol		ND		0.00061	0.0050
2,4-Dinitrotoluene		ND		0.00045	0.0050
2-Methylphenol		ND		0.00040	0.0050
3-Methylphenol		ND	*	0.00040	0.010
4-Methylphenol		ND	*	0.00036	0.010
Hexachlorobenzene		ND		0.00051	0.0050
Hexachlorobutadiene		ND		0.00068	0.0050
Hexachloroethane		ND		0.00059	0.0050
Nitrobenzene		ND		0.00029	0.0050
Pentachlorophenol		ND		0.0022	0.010
Pyridine		ND		0.00041	0.025

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	76		52 - 132
2-Fluorobiphenyl	78		48 - 120
2-Fluorophenol	39		20 - 120
Nitrobenzene-d5	78		46 - 120
Phenol-d5	30		16 - 120
p-Terphenyl-d14	88		67 - 150

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-3

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8270D Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8270D	Analysis Batch:	480-180978	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-180799	Lab File ID:	V0245.D
Dilution:	1.0	Leach Batch:	480-180381	Initial Weight/Volume:	250 mL
Analysis Date:	05/08/2014 2210			Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0629			Injection Volume:	1 uL
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		ND		0.00046	0.010
2,4,5-Trichlorophenol		ND		0.00048	0.0050
2,4,6-Trichlorophenol		ND		0.00061	0.0050
2,4-Dinitrotoluene		ND		0.00045	0.0050
2-Methylphenol		ND		0.00040	0.0050
3-Methylphenol		ND	*	0.00040	0.010
4-Methylphenol		ND	*	0.00036	0.010
Hexachlorobenzene		ND		0.00051	0.0050
Hexachlorobutadiene		ND		0.00068	0.0050
Hexachloroethane		ND		0.00059	0.0050
Nitrobenzene		ND		0.00029	0.0050
Pentachlorophenol		ND		0.0022	0.010
Pyridine		ND		0.00041	0.025

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	78		52 - 132
2-Fluorobiphenyl	74		48 - 120
2-Fluorophenol	41		20 - 120
Nitrobenzene-d5	75		46 - 120
Phenol-d5	29		16 - 120
p-Terphenyl-d14	86		67 - 150

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-4

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8270D Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8270D	Analysis Batch:	480-180978	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-180799	Lab File ID:	V0246.D
Dilution:	1.0	Leach Batch:	480-180381	Initial Weight/Volume:	250 mL
Analysis Date:	05/08/2014 2235			Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0629			Injection Volume:	1 uL
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		ND		0.00046	0.010
2,4,5-Trichlorophenol		ND		0.00048	0.0050
2,4,6-Trichlorophenol		ND		0.00061	0.0050
2,4-Dinitrotoluene		ND		0.00045	0.0050
2-Methylphenol		ND		0.00040	0.0050
3-Methylphenol		ND	*	0.00040	0.010
4-Methylphenol		ND	*	0.00036	0.010
Hexachlorobenzene		ND		0.00051	0.0050
Hexachlorobutadiene		ND		0.00068	0.0050
Hexachloroethane		ND		0.00059	0.0050
Nitrobenzene		ND		0.00029	0.0050
Pentachlorophenol		ND		0.0022	0.010
Pyridine		ND		0.00041	0.025

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	77		52 - 132
2-Fluorobiphenyl	80		48 - 120
2-Fluorophenol	43		20 - 120
Nitrobenzene-d5	82		46 - 120
Phenol-d5	31		16 - 120
p-Terphenyl-d14	86		67 - 150

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081B	Analysis Batch:	480-181145	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1150			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	PRIMARY
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		0.00051	J	0.000029	0.0020
Endrin		ND		0.000014	0.00020
gamma-BHC (Lindane)	0.00020	0.000043	~~J B~~ U	0.0000060	0.00020
Heptachlor		ND		0.0000085	0.00020
Heptachlor epoxide		ND		0.0000053	0.00020
Methoxychlor		ND		0.000014	0.00020
Toxaphene		ND		0.00012	0.0020

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	60	J	20 - 120
Tetrachloro-m-xylene	80		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081B	Analysis Batch:	480-181145	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1150			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	SECONDARY
Leach Date:	05/06/2014 1210				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		20 - 120
Tetrachloro-m-xylene	62		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-2(Sed)**

Lab Sample ID: 480-58807-2

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081B	Analysis Batch:	480-181145	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1207			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	PRIMARY
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		0.00052	J	0.000029	0.0020
Endrin		ND		0.000014	0.00020
gamma-BHC (Lindane)	0.00020	~~0.000043~~	~~J B~~ U	0.0000060	0.00020
Heptachlor		ND		0.0000085	0.00020
Heptachlor epoxide		0.000041	J	0.0000053	0.00020
Methoxychlor		ND		0.000014	0.00020
Toxaphene		ND		0.00012	0.0020

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	63 J		20 - 120
Tetrachloro-m-xylene	84		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-2(Sed)**

Lab Sample ID: 480-58807-2

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081B	Analysis Batch:	480-181145	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1207			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	SECONDARY
Leach Date:	05/06/2014 1210				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	50		20 - 120
Tetrachloro-m-xylene	66		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-3

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081B	Analysis Batch:	480-181145	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1225			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	PRIMARY
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		ND		0.000029	0.0020
Endrin		ND		0.000014	0.00020
gamma-BHC (Lindane)		ND		0.0000060	0.00020
Heptachlor		ND		0.0000085	0.00020
Heptachlor epoxide		ND		0.0000053	0.00020
Methoxychlor		ND		0.000014	0.00020
Toxaphene		ND		0.00012	0.0020

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75	J	20 - 120
Tetrachloro-m-xylene	81		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-3

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081B	Analysis Batch:	480-181145	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1225			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	SECONDARY
Leach Date:	05/06/2014 1210				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	57		20 - 120
Tetrachloro-m-xylene	61		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-4

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081B	Analysis Batch:	480-181145	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1242			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	PRIMARY
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		ND		0.000029	0.0020
Endrin		ND		0.000014	0.00020
gamma-BHC (Lindane)		ND		0.0000060	0.00020
Heptachlor		ND		0.0000085	0.00020
Heptachlor epoxide		ND		0.0000053	0.00020
Methoxychlor		ND		0.000014	0.00020
Toxaphene		ND		0.00012	0.0020

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80	J	20 - 120
Tetrachloro-m-xylene	84		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-4

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)-TCLP

Analysis Method:	8081B	Analysis Batch:	480-181145	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1242			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	SECONDARY
Leach Date:	05/06/2014 1210				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		20 - 120
Tetrachloro-m-xylene	63		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1

All target analytes should be qualified as estimated.

Date Sampled: 04/25/2014 0000

Client Matrix: Solid

% Moisture: 15.0

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179084	Instrument ID:	PE-02
Prep Method:	3550C	Prep Batch:	480-178927	Initial Weight/Volume:	+2.08 g
Dilution:	1.0			Final Weight/Volume:	11 mL
Analysis Date:	04/30/2014 1422			Injection Volume:	1 uL
Prep Date:	04/29/2014 1237			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.061	0.31
PCB-1221		ND		0.061	0.31
PCB-1232		ND		0.061	0.31
PCB-1242		ND		0.061	0.31
PCB-1248		ND		0.061	0.31
PCB-1254		2.5		0.15	0.31
PCB-1260		1.3		0.15	0.31

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		46 - 175
DCB Decachlorobiphenyl	109		47 - 176

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1
Client Matrix: Solid
% Moisture: 15.0
Date Sampled: 04/25/2014 0000
Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179084	Instrument ID:	PE-02
Prep Method:	3550C	Prep Batch:	480-178927	Initial Weight/Volume:	+2.08 g
Dilution:	1.0			Final Weight/Volume:	11 mL
Analysis Date:	04/30/2014 1422			Injection Volume:	1 uL
Prep Date:	04/29/2014 1237			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		46 - 175
DCB Decachlorobiphenyl	153	J	47 - 176

Client: Sterling Environmental Engineering PC Job Number: 480-58807-1

Client Sample ID: **P1-2(Sed)**

Lab Sample ID: 480-58807-2 All target analytes should be qualified as estimated. Date Sampled: 04/25/2014 0000
Client Matrix: Solid % Moisture: 17.3 Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179084	Instrument ID:	PE-02
Prep Method:	3550C	Prep Batch:	480-178927	Initial Weight/Volume:	+2.23 g
Dilution:	1.0			Final Weight/Volume:	11 mL
Analysis Date:	04/30/2014 1436			Injection Volume:	1 uL
Prep Date:	04/29/2014 1237			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.058	0.30
PCB-1221		ND		0.058	0.30
PCB-1232		ND		0.058	0.30
PCB-1242		ND		0.058	0.30
PCB-1248		ND		0.058	0.30
PCB-1254		0.84		0.14	0.30
PCB-1260		0.52		0.14	0.30

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		46 - 175
DCB Decachlorobiphenyl	125		47 - 176

Client: Sterling Environmental Engineering PC | Job Number: 480-58807-1

Client Sample ID: **P1-2(Sed)**

Lab Sample ID:	480-58807-2			Date Sampled:	04/25/2014 0000
Client Matrix:	Solid	% Moisture:	17.3	Date Received:	04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179084	Instrument ID:	PE-02
Prep Method:	3550C	Prep Batch:	480-178927	Initial Weight/Volume:	+2.23 g
Dilution:	1.0			Final Weight/Volume:	11 mL
Analysis Date:	04/30/2014 1436			Injection Volume:	1 uL
Prep Date:	04/29/2014 1237			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		46 - 175
DCB Decachlorobiphenyl	105		47 - 176

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-3

All target analytes should be qualified as estimated.

Date Sampled: 04/25/2014 0000

Client Matrix: Solid

% Moisture: 12.6

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179084	Instrument ID:	PE-02
Prep Method:	3550C	Prep Batch:	480-178927	Initial Weight/Volume:	+2.16 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1451			Injection Volume:	1 uL
Prep Date:	04/29/2014 1237			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.052	0.27
PCB-1221		ND		0.052	0.27
PCB-1232		ND		0.052	0.27
PCB-1242		ND		0.052	0.27
PCB-1248		ND		0.052	0.27
PCB-1254		ND		0.12	0.27
PCB-1260		ND		0.12	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	118		46 - 175
DCB Decachlorobiphenyl	137		47 - 176

Client: Sterling Environmental Engineering PC | Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-3 | Date Sampled: 04/25/2014 0000
Client Matrix: Solid | % Moisture: 12.6 | Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179084	Instrument ID:	PE-02
Prep Method:	3550C	Prep Batch:	480-178927	Initial Weight/Volume:	+2.16 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1451			Injection Volume:	1 uL
Prep Date:	04/29/2014 1237			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		46 - 175
DCB Decachlorobiphenyl	133		47 - 176

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-4

All target analytes should be qualified as estimated.

Date Sampled: 04/25/2014 0000

Client Matrix: Solid

% Moisture: 17.6

Date Received: 04/28/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179084	Instrument ID:	PE-02
Prep Method:	3550C	Prep Batch:	480-178927	Initial Weight/Volume:	+2.56 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1505			Injection Volume:	1 uL
Prep Date:	04/29/2014 1237			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.046	0.24
PCB-1221		ND		0.046	0.24
PCB-1232		ND		0.046	0.24
PCB-1242		ND		0.046	0.24
PCB-1248		ND		0.046	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	126		46 - 175
DCB Decachlorobiphenyl	140		47 - 176

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-4
Client Matrix: Solid
% Moisture: 17.6

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

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-179084	Instrument ID:	PE-02
Prep Method:	3550C	Prep Batch:	480-178927	Initial Weight/Volume:	+2.56 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/30/2014 1505			Injection Volume:	1 uL
Prep Date:	04/29/2014 1237			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	112		46 - 175
DCB Decachlorobiphenyl	135		47 - 176

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1
Client Matrix: Solid

All target analytes should be qualified as estimated.

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

8151 TCLP Herbicides-TCLP

Analysis Method:	8151	Analysis Batch:	480-181242	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180800	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1336			Injection Volume:	1 uL
Prep Date:	05/08/2014 0641			Result Type:	PRIMARY
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		ND		0.00040	0.0020
Silvex (2,4,5-TP)		ND		0.00036	0.0020

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	35 J	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1
Client Matrix: Solid

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

8151 TCLP Herbicides-TCLP

Analysis Method:	8151	Analysis Batch:	480-181242	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180800	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1336			Injection Volume:	1 uL
Prep Date:	05/08/2014 0641			Result Type:	SECONDARY
Leach Date:	05/06/2014 1210				

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	39 J	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-2(Sed)**

Lab Sample ID: 480-58807-2

Client Matrix: Solid

All target analytes should be qualified as estimated.

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8151 TCLP Herbicides-TCLP

Analysis Method:	8151	Analysis Batch:	480-181242	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180800	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1406			Injection Volume:	1 uL
Prep Date:	05/08/2014 0641			Result Type:	PRIMARY
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		ND		0.00040	0.0020
Silvex (2,4,5-TP)		ND		0.00036	0.0020

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	36 J	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-2(Sed)**

Lab Sample ID: 480-58807-2
Client Matrix: Solid

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

8151 TCLP Herbicides-TCLP

Analysis Method:	8151	Analysis Batch:	480-181242	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180800	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1406			Injection Volume:	1 uL
Prep Date:	05/08/2014 0641			Result Type:	SECONDARY
Leach Date:	05/06/2014 1210				

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	40		40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-3

Client Matrix: Solid

All target analytes should be qualified as estimated.

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

8151 TCLP Herbicides-TCLP

Analysis Method:	8151	Analysis Batch:	480-181242	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180800	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1435			Injection Volume:	1 uL
Prep Date:	05/08/2014 0641			Result Type:	PRIMARY
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		ND		0.00040	0.0020
Silvex (2,4,5-TP)		ND		0.00036	0.0020

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	31 J	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-3
Client Matrix: Solid

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

8151 TCLP Herbicides-TCLP

Analysis Method:	8151	Analysis Batch:	480-181242	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180800	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1435			Injection Volume:	1 uL
Prep Date:	05/08/2014 0641			Result Type:	SECONDARY
Leach Date:	05/06/2014 1210				

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	32 J	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-4

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

8151 TCLP Herbicides-TCLP

Analysis Method:	8151	Analysis Batch:	480-181242	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180800	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1505			Injection Volume:	1 uL
Prep Date:	05/08/2014 0641			Result Type:	PRIMARY
Leach Date:	05/06/2014 1210				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		ND		0.00040	0.0020
Silvex (2,4,5-TP)		ND		0.00036	0.0020

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	31 J	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-4
Client Matrix: Solid

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

8151 TCLP Herbicides-TCLP

Analysis Method:	8151	Analysis Batch:	480-181242	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-180800	Initial Weight/Volume:	250 mL
Dilution:	1.0	Leach Batch:	480-180381	Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1505			Injection Volume:	1 uL
Prep Date:	05/08/2014 0641			Result Type:	SECONDARY
Leach Date:	05/06/2014 1210				

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	35J	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1
Client Matrix: Solid

All target analytes should be qualified as estimated.

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

6010C Metals (ICP)-TCLP

Analysis Method:	6010C	Analysis Batch:	480-179601	Instrument ID:	ICAP2
Prep Method:	3010A	Prep Batch:	480-179139	Lab File ID:	i2050114a-3.asc
Dilution:	1.0	Leach Batch:	480-178938	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2014 1544			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1035				
Leach Date:	04/29/2014 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0056	0.015
Barium		1.1	B	0.00070	0.0020
Cadmium		0.024		0.00050	0.0020
Chromium		0.027	B	0.0010	0.0040
Lead		0.49		0.0030	0.010
Selenium		ND		0.0087	0.025
Silver		0.017		0.0017	0.0060

All target analytes should be qualified as estimated.

7470A TCLP Mercury-TCLP

Analysis Method:	7470A	Analysis Batch:	480-180600	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-179227	Lab File ID:	H05014TC.PRN
Dilution:	1.0	Leach Batch:	480-178938	Initial Weight/Volume:	30 mL
Analysis Date:	05/01/2014 1155			Final Weight/Volume:	50 mL
Prep Date:	05/01/2014 0850				
Leach Date:	04/29/2014 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0081	*	0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

Client Sample ID: **P1-2(Sed)**

Lab Sample ID: 480-58807-2

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

6010C Metals (ICP)-TCLP

Analysis Method:	6010C	Analysis Batch:	480-179601	Instrument ID:	ICAP2
Prep Method:	3010A	Prep Batch:	480-179139	Lab File ID:	i2050114a-3.asc
Dilution:	1.0	Leach Batch:	480-178938	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2014 1547			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1035				
Leach Date:	04/29/2014 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0056	0.015
Barium		0.80	B	0.00070	0.0020
Cadmium		0.042		0.00050	0.0020
Chromium	0.0040	0.0023	J B U	0.0010	0.0040
Lead		0.084		0.0030	0.010
Selenium		ND		0.0087	0.025
Silver		ND		0.0017	0.0060

All target analytes should be qualified as estimated.

7470A TCLP Mercury-TCLP

Analysis Method:	7470A	Analysis Batch:	480-180600	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-179227	Lab File ID:	H05014TC.PRN
Dilution:	1.0	Leach Batch:	480-178938	Initial Weight/Volume:	30 mL
Analysis Date:	05/01/2014 1157			Final Weight/Volume:	50 mL
Prep Date:	05/01/2014 0850				
Leach Date:	04/29/2014 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.00014	J *	0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-3

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

6010C Metals (ICP)-TCLP

Analysis Method:	6010C	Analysis Batch:	480-179601	Instrument ID:	ICAP2
Prep Method:	3010A	Prep Batch:	480-179139	Lab File ID:	i2050114a-3.asc
Dilution:	1.0	Leach Batch:	480-178938	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2014 1550			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1035				
Leach Date:	04/29/2014 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0056	0.015
Barium		0.46	B	0.00070	0.0020
Cadmium		0.0026		0.00050	0.0020
Chromium	0.0040	~~0.0017~~	~~J~~ B U	0.0010	0.0040
Lead		0.18		0.0030	0.010
Selenium		ND		0.0087	0.025
Silver		ND		0.0017	0.0060

All target analytes should be qualified as estimated.

7470A TCLP Mercury-TCLP

Analysis Method:	7470A	Analysis Batch:	480-180600	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-179227	Lab File ID:	H05014TC.PRN
Dilution:	1.0	Leach Batch:	480-178938	Initial Weight/Volume:	30 mL
Analysis Date:	05/01/2014 1202			Final Weight/Volume:	50 mL
Prep Date:	05/01/2014 0850				
Leach Date:	04/29/2014 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.00022	*	0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-58807-1

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

Lab Sample ID: 480-58807-4

Client Matrix: Solid

Date Sampled: 04/25/2014 0000

Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

6010C Metals (ICP)-TCLP

Analysis Method:	6010C	Analysis Batch:	480-179601	Instrument ID:	ICAP2
Prep Method:	3010A	Prep Batch:	480-179139	Lab File ID:	i2050114a-3.asc
Dilution:	1.0	Leach Batch:	480-178938	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2014 1553			Final Weight/Volume:	50 mL
Prep Date:	04/30/2014 1035				
Leach Date:	04/29/2014 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		ND		0.0056	0.015
Barium		0.40	B	0.00070	0.0020
Cadmium		0.0026		0.00050	0.0020
Chromium	0.0040	~~0.0016~~	~~J~~ B U	0.0010	0.0040
Lead		0.092		0.0030	0.010
Selenium		ND		0.0087	0.025
Silver		ND		0.0017	0.0060

All target analytes should be qualified as estimated.

7470A TCLP Mercury-TCLP

Analysis Method:	7470A	Analysis Batch:	480-180600	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-179227	Lab File ID:	H05014TC.PRN
Dilution:	1.0	Leach Batch:	480-178938	Initial Weight/Volume:	30 mL
Analysis Date:	05/01/2014 1203			Final Weight/Volume:	50 mL
Prep Date:	05/01/2014 0850				
Leach Date:	04/29/2014 1344				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.00012	J *	0.00012	0.00020

General Chemistry

Client Sample ID: **P1-1(Sed)**

Lab Sample ID: 480-58807-1 Date Sampled: 04/25/2014 0000

Client Matrix: Solid Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Reactive	ND		mg/Kg	0.0030	10.0	1.0	9012
Analysis Batch: 480-180033	Analysis Date: 05/05/2014 0638						DryWt Corrected: N
Prep Batch: 480-179770	Prep Date: 05/02/2014 0050						
Sulfide, Reactive	ND		mg/Kg	0.57	10.0	1.0	9034
Analysis Batch: 480-180094	Analysis Date: 05/05/2014 0930						DryWt Corrected: N
Prep Batch: 480-179766	Prep Date: 05/02/2014 0050						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Flashpoint	>176.0		Degrees F	50.0	50.0	1.0	1010A
Analysis Batch: 480-179279	Analysis Date: 04/30/2014 0908						DryWt Corrected: N
pH	5.34		SU	0.100	0.100	1.0	9045D
Analysis Batch: 480-179029	Analysis Date: 04/29/2014 2150						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

Client Sample ID: **P1-2(Sed)**

Lab Sample ID: 480-58807-2 Date Sampled: 04/25/2014 0000

Client Matrix: Solid Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Reactive	ND		mg/Kg	0.0030	10.0	1.0	9012
Analysis Batch: 480-180033	Analysis Date: 05/05/2014 0639						DryWt Corrected: N
Prep Batch: 480-179770	Prep Date: 05/02/2014 0050						
Sulfide, Reactive	ND		mg/Kg	0.57	10.0	1.0	9034
Analysis Batch: 480-180094	Analysis Date: 05/05/2014 0930						DryWt Corrected: N
Prep Batch: 480-179766	Prep Date: 05/02/2014 0050						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Flashpoint	>176.0		Degrees F	50.0	50.0	1.0	1010A
Analysis Batch: 480-179279	Analysis Date: 04/30/2014 0908						DryWt Corrected: N
pH	5.73		SU	0.100	0.100	1.0	9045D
Analysis Batch: 480-179029	Analysis Date: 04/29/2014 2150						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

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

Lab Sample ID: 480-58807-3 Date Sampled: 04/25/2014 0000

Client Matrix: Solid Date Received: 04/28/2014 0930

All target analytes should be qualified as estimated.

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Reactive	ND		mg/Kg	0.0030	10.0	1.0	9012
Analysis Batch: 480-180033	Analysis Date: 05/05/2014 0640						DryWt Corrected: N
Prep Batch: 480-179770	Prep Date: 05/02/2014 0050						
Sulfide, Reactive	ND		mg/Kg	0.57	10.0	1.0	9034
Analysis Batch: 480-180094	Analysis Date: 05/05/2014 0930						DryWt Corrected: N
Prep Batch: 480-179766	Prep Date: 05/02/2014 0050						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Flashpoint	>176.0		Degrees F	50.0	50.0	1.0	1010A
Analysis Batch: 480-179279	Analysis Date: 04/30/2014 0908						DryWt Corrected: N
pH	5.82		SU	0.100	0.100	1.0	9045D
Analysis Batch: 480-179029	Analysis Date: 04/29/2014 2150						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

General Chemistry

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

Lab Sample ID: 480-58807-4 Date Sampled: 04/25/2014 0000

Client Matrix: Solid All target analytes should be qualified as estimated. Date Received: 04/28/2014 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Reactive	ND		mg/Kg	0.0030	10.0	1.0	9012
Analysis Batch: 480-180033	Analysis Date: 05/05/2014 0642						DryWt Corrected: N
Prep Batch: 480-179770	Prep Date: 05/02/2014 0050						
Sulfide, Reactive	ND		mg/Kg	0.57	10.0	1.0	9034
Analysis Batch: 480-180094	Analysis Date: 05/05/2014 0930						DryWt Corrected: N
Prep Batch: 480-179766	Prep Date: 05/02/2014 0050						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Flashpoint	>176.0		Degrees F	50.0	50.0	1.0	1010A
Analysis Batch: 480-179279	Analysis Date: 04/30/2014 0908						DryWt Corrected: N
pH	6.58		SU	0.100	0.100	1.0	9045D
Analysis Batch: 480-179029	Analysis Date: 04/29/2014 2150						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-178745	Analysis Date: 04/28/2014 1628						DryWt Corrected: N

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

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1 Analy Batch No.: 175032

SDG No.:

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

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

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

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

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Client Sample ID: P1-1(Sed) Lab Sample ID: 480-58807-1

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/09/2014 11:50 Date Analyzed (2): 05/09/2014 11:50

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		2.64	2.66	2.72	0.000072		51.2
	2		3.22	3.19	3.25	0.000043		
Chlordane (technical)	1	1	3.44	3.39	3.45	0.00127	0.00090	56.0
		3	3.95	3.93	3.99	0.000882		
		4	4.09	4.06	4.12	0.000627		
		5	4.84	4.83	4.89	0.000829		
	2	1	4.09	4.07	4.13	0.000089	0.00051	
		2	4.48	4.46	4.52	0.000782		
		3	4.71	4.69	4.75	0.000493		
		4	4.87	4.84	4.90	0.000462		
		5	5.80	5.75	5.81	0.000708		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Client Sample ID: P1-2(Sed) Lab Sample ID: 480-58807-2

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/09/2014 12:07 Date Analyzed (2): 05/09/2014 12:07

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		2.66	2.66	2.72	0.000094		74.6
	2		3.24	3.19	3.25	0.000043		
Heptachlor epoxide	1		3.85	3.81	3.87	0.000046		12.3
	2		4.48	4.49	4.55	0.000041		
Chlordane (technical)	1	1	3.41	3.39	3.45	0.00270	0.0015	99.0
		2	3.77	3.76	3.82	0.00261		
		3	3.95	3.93	3.99	0.000828		
		4	4.09	4.06	4.12	0.000543		
		5	4.85	4.83	4.89	0.000980		
	2	1	4.13	4.07	4.13	0.000225	0.00052	
		2	4.48	4.46	4.52	0.00108		
		3	4.72	4.69	4.75	0.000392		
		4	4.87	4.84	4.90	0.000372		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Client Sample ID: Lab Sample ID: LB 480-180381/1-F

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/09/2014 11:15 Date Analyzed (2): 05/09/2014 11:15

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	
gamma-BHC (Lindane)	1		2.71	2.66	2.72	0.0000847		58.3
	2		3.19	3.19	3.25	0.0000465		

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Lab Sample ID: CCV 480-181145/4 Calibration Date: 05/09/2014 09:54

Instrument ID: HP6890-5 Calib Start Date: 03/26/2014 13:21

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/26/2014 14:32

Lab File ID: 5_10110.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		114780580		0.0442	0.0500	-11.6	20.0
gamma-BHC (Lindane)	Lin1		102900980		0.0444	0.0500	-11.2	20.0
beta-BHC	Lin1		39656440		0.0453	0.0500	-9.4	20.0
delta-BHC	Lin1		104406060		0.0445	0.0500	-11.1	20.0
Heptachlor	Lin1		87439860		0.0461	0.0500	-7.9	20.0
Aldrin	Lin1		91346880		0.0513	0.0500	2.6	20.0
Heptachlor epoxide	Lin1		86223300		0.0495	0.0500	-0.9	20.0
gamma-Chlordane	Lin1		96395120		0.0465	0.0500	-7.1	20.0
alpha-Chlordane	Lin1		91773640		0.0457	0.0500	-8.6	20.0
4,4'-DDE	Lin1		86196200		0.0443	0.0500	-11.3	20.0
Endosulfan I	Lin1		77977540		0.0460	0.0500	-8.0	20.0
Dieldrin	Lin1		81507000		0.0457	0.0500	-8.6	20.0
Endrin	Lin1		77911820		0.0545	0.0500	9.0	20.0
4,4'-DDD	Lin1		70922140		0.0505	0.0500	0.9	20.0
Endosulfan II	Lin1		75595780		0.0537	0.0500	7.3	20.0
4,4'-DDT	Lin1		85955760		0.0550	0.0500	10.1	20.0
Endrin aldehyde	Lin1		60391340		0.0444	0.0500	-11.2	20.0
Methoxychlor	Lin1		43662280		0.0515	0.0500	3.0	20.0
Endosulfan sulfate	Lin1		76784660		0.0435	0.0500	-12.9	20.0
Endrin ketone	Lin1		93256260		0.0451	0.0500	-9.8	20.0
Tetrachloro-m-xylene	Lin1		69335520		0.0455	0.0500	-9.0	20.0
DCB Decachlorobiphenyl	Lin1		61084820		0.0365	0.0500	-26.9*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Lab Sample ID: CCV 480-181145/15 Calibration Date: 05/09/2014 13:17

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 18:19

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/27/2014 19:29

Lab File ID: 5_10121.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Lin1		3726006		0.651	0.500	30.1*	20.0
Chlordane (technical) Peak 2	Lin1		2108994		0.517	0.500	3.5	20.0
Chlordane (technical) Peak 3	Lin1		13290634		0.490	0.500	-2.0	20.0
Chlordane (technical) Peak 4	Lin1		20399184		0.447	0.500	-10.5	20.0
Chlordane (technical) Peak 5	Lin1		3875138		0.583	0.500	16.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Lab Sample ID: CCV 480-181145/15 Calibration Date: 05/09/2014 13:17

Instrument ID: HP6890-5 Calib Start Date: 03/27/2014 18:19

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/27/2014 19:29

Lab File ID: 5_10121.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Lin1		4613280		0.628	0.500	25.7*	20.0
Chlordane (technical) Peak 2	Lin1		3148116		0.472	0.500	-5.6	20.0
Chlordane (technical) Peak 3	Lin1		15275636		0.512	0.500	2.5	20.0
Chlordane (technical) Peak 4	Lin1		12150128		0.560	0.500	12.1	20.0
Chlordane (technical) Peak 5	Lin1		4143680		0.565	0.500	12.9	20.0

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-5 ID: 0.53 (mm) GC Column (2): ZB-35 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
P1-1(Sed)	480-58807-1	92	84	109	153
P1-2(Sed)	480-58807-2	95	86	125	105
P2-1(Sed)	480-58807-3	118	110	137	133
P2-2(Sed)	480-58807-4	126	112	140	135
	MB 480-178927/1-A	115	107	133	135
	LCS 480-178927/2-A	141	131	148	144

	QC LIMITS
TCX = Tetrachloro-m-xylene	46-175
DCB = DCB Decachlorobiphenyl	47-176

Column to be used to flag recovery values

FORM II 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Client Sample ID: P1-1(Sed) Lab Sample ID: 480-58807-1

Instrument ID (1): PE-02 Instrument ID (2): PE-02

Date Analyzed (1): 04/30/2014 14:22 Date Analyzed (2): 04/30/2014 14:22

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.08	3.04	3.10	3.33	2.5	6.8
		2	3.12	3.09	3.15	2.47		
		3	3.24	3.22	3.28	2.00		
		4	3.36	3.34	3.40	2.37		
	2	1	3.58	3.55	3.61	1.63	2.4	
		2	3.67	3.64	3.70	2.06		
		3	3.74	3.72	3.78	3.23		
		4	3.86	3.83	3.89	2.57		
PCB-1260	1	1	3.49	3.47	3.53	2.52	1.3	41.7
		2	3.68	3.66	3.72	0.966		
		3	3.82	3.80	3.86	0.863		
		4	3.95	3.93	3.99	0.983		
	2	1	4.22	4.20	4.26	0.910	0.87	
		2	4.64	4.61	4.67	0.676		
		3	4.68	4.65	4.71	1.03		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Client Sample ID: P1-2(Sed) Lab Sample ID: 480-58807-2

Instrument ID (1): PE-02 Instrument ID (2): PE-02

Date Analyzed (1): 04/30/2014 14:36 Date Analyzed (2): 04/30/2014 14:36

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	2	3.12	3.09	3.15	0.907	0.84	35.4
		3	3.24	3.22	3.28	0.728		
		4	3.36	3.34	3.40	0.872		
	2	1	3.58	3.55	3.61	0.316	0.58	
		2	3.67	3.64	3.70	0.463		
		3	3.74	3.72	3.78	1.04		
		4	3.86	3.83	3.89	0.517		
PCB-1260	1	2	3.68	3.66	3.72	0.440	0.52	34.6
		3	3.82	3.80	3.86	0.493		
		4	3.95	3.93	3.99	0.615		
	2	2	4.66	4.61	4.67	0.919	0.36	
		3	4.68	4.65	4.71	0.159		
		4	4.84	4.82	4.88	0.265		

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1 Analy Batch No.: 162934

SDG No.:

Instrument ID: PE-02 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/23/2014 14:22 Calibration End Date: 01/23/2014 14:22 Calibration ID: 17186

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-162934/19	PE02_38_213.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.096										3.066 - 3.126	3.096
PCB-1254 Peak 2	3.145										3.115 - 3.175	3.145
PCB-1254 Peak 3	3.275										3.245 - 3.305	3.275
PCB-1254 Peak 4	3.397										3.367 - 3.427	3.397

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Lab Sample ID: CCV 480-179084/85 Calibration Date: 04/30/2014 13:10

Instrument ID: PE-02 Calib Start Date: 01/23/2014 10:33

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 01/23/2014 11:59

Lab File ID: PE02_49_035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	753106	712578		0.473	0.500	-5.4	20.0
PCB-1016 Peak 2	Ave	2454191	2213218		0.451	0.500	-9.8	20.0
PCB-1016 Peak 3	Ave	1194047	1097352		0.460	0.500	-8.1	20.0
PCB-1016 Peak 4	Ave	702105	707208		0.504	0.500	0.7	20.0
PCB-1260 Peak 1	Ave	3947401	3282546		0.416	0.500	-16.8	20.0
PCB-1260 Peak 2	Ave	495414	455884		0.460	0.500	-8.0	20.0
PCB-1260 Peak 3	Ave	1128923	1006604		0.446	0.500	-10.8	20.0
PCB-1260 Peak 4	Ave	392510	264520		0.337	0.500	-32.6*	20.0
Tetrachloro-m-xylene	Ave	32528946	31364267		0.0289	0.0300	-3.6	20.0
DCB Decachlorobiphenyl	Lin		35738667		0.0349	0.0300	16.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Lab Sample ID: CCV 480-179084/92 Calibration Date: 04/30/2014 15:19

Instrument ID: PE-02 Calib Start Date: 01/23/2014 10:33

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 01/23/2014 11:59

Lab File ID: PE02_49_044.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	753106	737622		0.490	0.500	-2.1	20.0
PCB-1016 Peak 2	Ave	2454191	2222772		0.453	0.500	-9.4	20.0
PCB-1016 Peak 3	Ave	1194047	1118022		0.468	0.500	-6.4	20.0
PCB-1016 Peak 4	Ave	702105	710010		0.506	0.500	1.1	20.0
PCB-1260 Peak 1	Ave	3947401	3293524		0.417	0.500	-16.6	20.0
PCB-1260 Peak 2	Ave	495414	437006		0.441	0.500	-11.8	20.0
PCB-1260 Peak 3	Ave	1128923	982752		0.435	0.500	-12.9	20.0
PCB-1260 Peak 4	Ave	392510	256002		0.326	0.500	-34.8*	20.0
Tetrachloro-m-xylene	Ave	32528946	31084100		0.0287	0.0300	-4.4	20.0
DCB Decachlorobiphenyl	Lin		35967767		0.0351	0.0300	17.0	20.0

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): RTX-CLPI ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	DCPA1	#	DCPA2	#
P1-1(Sed)	480-58807-1	35	X	39	X
P1-2(Sed)	480-58807-2	36	X	40	
P2-1(Sed)	480-58807-3	31	X	32	X
P2-2(Sed)	480-58807-4	31	X	35	X
	MB 480-180800/1-A	97		102	
	LB 480-180381/1-E	33	X	34	X
	LCS 480-180800/2-A	104		105	
	LCSD 480-180800/3-A	99		89	

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	40-135

Column to be used to flag recovery values

FORM II 8151

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

ICV Source: MEI_10_CCVL_00028 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00028

Analyte	ICVL 480-179601/7 05/01/2014 10:46				CCVL 480-179601/16 05/01/2014 14:32				CCVL 480-179601/23 05/01/2014 15:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0136	J	0.0150	90	0.0121	J	0.0150	80	0.0129	J	0.0150	86
Barium	0.00219		0.00200	110	0.00234		0.00200	117	0.00240		0.00200	120
Cadmium	0.00168	J	0.00200	84	0.00158	J	0.00200	79	0.00163	J	0.00200	82
Chromium	0.00421		0.00400	105	0.00420		0.00400	105	0.00381	J	0.00400	95
Lead	0.00980	J	0.0100	98	0.00979	J	0.0100	98	0.00871	J	0.0100	87
Selenium	0.0269		0.0250	108	0.0258		0.0250	103	0.0257		0.0250	103
Silver	0.00654		0.00600	109	0.00572	J	0.00600	95	0.00550	J	0.00600	92

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

ICV Source: MEI_10_CCVL_00028 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00028

Analyte	CCVL 480-179601/33 05/01/2014 15:41				CCVL 480-179601/40 05/01/2014 16:15							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0124	J	0.0150	83	0.0132	J	0.0150	88				
Barium	0.00238		0.00200	119	0.00253		0.00200	127				
Cadmium	0.00161	J	0.00200	81	0.00158	J	0.00200	79				
Chromium	0.00340	J	0.00400	85	0.00371	J	0.00400	93				
Lead	0.00875	J	0.0100	88	0.00884	J	0.0100	88				
Selenium	0.0226	J	0.0250	90	0.0238	J	0.0250	95				
Silver	0.00508	J	0.00600	85	0.00597	J	0.00600	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: LB 480-178938/1-B

Instrument Code: ICAP2 Batch No.: 179601

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	0.00406			6010C
7440-43-9	Cadmium	ND			6010C
7440-47-3	Chromium	0.00234	J		6010C
7439-92-1	Lead	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-179227/3-A

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

Sample Matrix: Water LCS Source: MEH_HG_TCLP_W_00046

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00668	0.00480		72	80	120		7470A

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 179279	Date: 04/30/2014 09:08										
						LCS Source: P-Xylene_00028					
1010A	LCS 480-179279/1	Flashpoint	80.00		Degrees F	81.0	99	97.5-10 2.5			
Batch ID: 180033	Date: 05/05/2014 06:30	Prep Batch: 179770	Date: 05/02/2014 00:50								
						LCS Source: WCFreeCN_STK_00032					
9012	LCS 480-179770/2-A	Cyanide, Reactive	303.8		mg/Kg	1000	30	10-100	2	20	
Batch ID: 180094	Date: 05/05/2014 09:30	Prep Batch: 179766	Date: 05/02/2014 00:50								
						LCS Source: Sulfide 1000p_00017					
9034	LCS 480-179766/2-A	Sulfide, Reactive	761.4		mg/Kg	1000	76	10-100	5	20	
Batch ID: 179029	Date: 04/29/2014 21:50										
						LCS Source: 7.0 Buffer_00050					
9045D	LCS 480-179029/1	pH	7.020		SU	7.00	100	99-101			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-58807-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 180033	Date: 05/05/2014 06:32		Prep Batch: 179770			Date: 05/02/2014 00:50					
						LCSD Source: WCFreeCN_STK_00032					
9012	LCSD 480-179770/3-A	Cyanide, Reactive	298.8		mg/Kg	1000	30	10-100	2	20	
Batch ID: 180094	Date: 05/05/2014 09:30		Prep Batch: 179766			Date: 05/02/2014 00:50					
						LCSD Source: Sulfide 1000p_00017					
9034	LCSD 480-179766/3-A	Sulfide, Reactive	801.5		mg/Kg	1000	80	10-100	5	20	

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

FORM VIIA-IN

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONME

480-58807 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Sterling Env. Eng	Jenn DiCerbo	4/25/14	271224
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 6 of 13
24 Wade Rd	(518) 456-4900		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110	A. Castignetti	Lisa Shaffer	
Project Name and Location (State)	**Carrier/Waybill Number**		
Mt. Risco, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL *	TAL *	Disposal	Special Instructions/ Conditions of Receipt
P2-1 (sed)	4/25/14				X		7						X	X		Sed Samples
P2-2 (sed)					X											Little Wet
Dup-4					X											
MSD-4 (P2-1(S))						X										* TCL/TAL Sample
MS-4 P2-1(S)						X										= Category B report
P1-2 (sed)					X		4								X	per Sterling
P2-1 (sed)																
P1-1 (sed)																
P2-2 (sed)																

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Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4/25/14	1740	1. Received By	4/28/14	0936
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

7.3 #1

05/15/2014

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy