Data Usability Summary Report

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

Mt. Kisco
TestAmerica SDG#480-55783-1
May 24, 2022
Sampling date: 3/10, 11/2014

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 #480-55783-1 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 (7470A) and in accordance with wet chemistry methods.

DUSR ID	Sample ID	Laboratory ID
1	MW-P	480-55783-1
2	MW-3	480-55783-2
3	MW-1	480-55880-1
4	MW-4	480-55880-2
5	MW-5	480-55880-3

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

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

Ccal ID	Target Analyte	%D	Qualifier	Associated Sample
CCVIS 480-169830/3	Bromomethane	33.4	UJ/J	MB/LCS 480-169830, 3-5
CCVIS 480-169830/3	Chloroethane	26.2	UJ/J	MB/LCS 480-169830, 3-5

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 Continuing 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 Phenanthrene-d_{10}, Chrysene-d_{12} and Perylene-d_{12} was outside QC limits low in DUSR ID#5. The associated target analytes, below, should be qualified as estimated in this sample.

4,6-Dinitro-2-methylphenol	Hexachlorobenzene	Atrazine
4-Bromophenyl phenyl ether	Pentachlorophenol	Phenanthrene
Anthracene	Di-n-butylphthalate	Fluoranthene
Carbazole	Pyrene	Butylbenzylphthalate
3,3'-Dichlorobenzidine	Benzo(a)anthracene	Chrysene
Bis(2-ethylhexyl)phthalate	Di-n-octylphthalate	Benzo(b)fluoranthene
Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene
Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	

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 except some target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Ccal ID	Target Analyte	%D	Qualifier	Associated Sample
CCVIS 480-170376/6	2,4-Dinitrophenol	-41.7	UJ/J	MB/LCS 480-169810, 1-5
CCVIS 480-170376/6	4-Nitrophenol	-42.1	UJ/J	MB/LCS 480-169810, 1-5
CCVIS 480-170376/6	Pentachlorophenol	-65.1	UJ/J	MB/LCS 480-169810, 1-5

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 Data Completeness.

Samples: DUSR ID#3 and 4 were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met except no data was reported from the confirmatory column. All targets detected in the samples should be qualified as estimated since the RPD between the columns have not been determined.

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
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.

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 except where qualified below in Data Completeness and Continuing Calibration.

DATA COMPLETENESS
All criteria were met except no data was reported from the confirmatory column. All targets detected in the samples should be qualified as estimated since the RPD between the columns have not been determined.

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
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.

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

Ccal ID	Target Analyte	Column ID	%D	Qualifier	Associated Sample
CCV 480-170037/47	Aroclor 1016 peak3	ZB-35	-64.7	UJ	1, 2

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 Data Completeness, Surrogate Spike Recoveries and Continuing Calibration.

DATA COMPLETENESS
All criteria were met except no data was reported from the confirmatory column. All targets detected in the samples should be qualified as estimated since the RPD between the columns have not been determined.

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, high in DUSR ID#3 and 5 off column RTX-CLPI and should be qualified as estimated. No target analytes were detected in these samples, 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 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 480-170053/13	2,4-D	RTX-CLPI	17.0	UJ/J	MB/LCS 480-169808, 1, 2
CCV 480-170053/13	2,4,5-TP	RTX-CLPI	18.1	UJ/J	MB/LCS 480-169808, 1, 2
CCV 480-170053/27	2,4-D	RTX-CLPI	17.5	UJ/J	3-5
CCV 480-170053/27	2,4,5-TP	RTX-CLPI	19.0	UJ/J	3-5

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 Data Completeness, Blanks and Calibration.

DATA COMPLETENESS
All criteria were met except Form 10 was not included in the original package.
The raw data for batch #170056 was not included in the original package. All results for this batch should be qualified as unusable.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

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

Blank ID	Target Analyte	Concentration	Qualifier	Associated Sample
CCB 480-170104/50	Zn	.00192 mg/L	JH	1, 2

LABORATORY CONTROL SAMPLE
All criteria were met.

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 480-170104-7	Al	111	JH	LCS 480-169698, 1, 2
ICVL 480-170104-7	Ba	113	JH	LCS 480-169698, 1, 2
ICVL 480-170104-7	Pb	111	JH	LCS 480-169698, 1, 2
ICVL 480-170104-7	Mn	118	JH	LCS 480-169698, 1, 2
ICVL 480-170104-7	Ni	111	UJ/J	LCS 480-169698, 1, 2
CCVL 480-170104-15	Ag	87	J	LCS 480-169698
CCVL 480-170104-15	Ba	116	JH	LCS 480-169698
CCVL 480-170104-15	Mn	113	JH	LCS 480-169698
CCVL 480-170104-15	Se	113	JH	LCS 480-169698
CCVL 480-170104-20	Ba	118	JH	LCS 480-169698
CCVL 480-170104-20	Pb	113	JH	LCS 480-169698
CCVL 480-170104-20	Mn	116	JH	LCS 480-169698
CCVL 480-170104-20	Cu	111	JH	LCS 480-169698
CCVL 480-170104-44	Cr	85	UJ/J	1, 2
CCVL 480-170104-44	Ba	115	JH	1, 2
CCVL 480-170104-44	Mn	115	JH	1, 2
CCVL 480-170104-51	Pb	89	UJ/J	1, 2
CCVL 480-170104-51	Ba	115	JH	1, 2
CCVL 480-170104-51	Mn	115	JH	1, 2
CCVL 480-170104-51	As	111	JH	1, 2

Cal ID	Target Analyte	%Rec	Qualifier	Associated Sample
CCVL 480-170104-51	Na	113	JH	1, 2
CCVL 480-170104-51	Zn	128	JH	1, 2
CCVL 480-170155-15	K	74	UJ/J	MB 480-169698
CCVL 480-170155-15	Ag	81	UJ/J	MB 480-169698
CCVL 480-170155-22	K	78	UJ/J	MB 480-169698
CCVL 480-170155-22	Ag	83	UJ/J	MB 480-169698

GENERAL CHEMISTRY

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

- Cyanide

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 Cn was detected in MB 480-169633 and MB 480-170470 above the reporting limit. This target analyte should be qualified as undetected at the reporting limit in the samples in which it was detected below the reporting limit.

Comments
No additional comments.

Receipt
The samples were received on 3/11/2014 9:00 AM and 3/12/2014 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 3.6º C, 3.8º C and 4.5º C.

GC/MS VOA
Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 169830 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.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: Internal standard response for the following samples exceeded the lower control limit: MW-5 (480-55880-3). As such, the sample results may be biased high. The analytes associated with the failing internal standards were below the reporting limit, therefore the data has been qualified and reported.

Method(s) 8270D: The continuing calibration verification (CCV) for analytical batch 170376 recovered outside control limits for multiple analytes. These analytes were within acceptable limits in the low level calibration verification (CCVL), therefore the data have been qualified and reported.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 170376 recovered above the upper control limit for 3,3'-Dichlorobenzidine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 480-170376/4).

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: MW-1 (480-55880-1), MW-4 (480-55880-2). Elevated reporting limits (RLs) are provided.

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

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

Method(s) 8082A: 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) 8151A: Surrogate recovery for the following samples was outside control limits: MW-1 (480-55880-1), MW-5 (480-55880-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8151A: The continuing calibration verification (CCV) 480-170053/27 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 480-170053/27), MW-1 (480-55880-1), MW-4 (480-55880-2), MW-5 (480-55880-3).

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

Method(s) 8151A: The continuing calibration verification (CCV 480-170053/13) recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals
Method(s) 6010C: The Method Blank for batch 480-170056 contained total manganese and zinc above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples MW-1 (480-55880-1), MW-4 (480-55880-2), MW-5 (480-55880-3) was not performed.

No other analytical or quality issues were noted.

General Chemistry
Method(s) 335.4: The method blank for batch 170587 contained cyanide above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.MW-5 (480-55880-3)

No other analytical or quality issues were noted.

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: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	D9962.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/12/2014 0444			Final Weight/Volume:	5 mL
Prep Date:	03/12/2014 0444				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	3.2	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	0.30	J	0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	D9962.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/12/2014 0444			Final Weight/Volume:	5 mL
Prep Date:	03/12/2014 0444				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	103		71 - 126
Dibromofluoromethane (Surr)	105		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	D9963.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/12/2014 0505			Final Weight/Volume:	5 mL
Prep Date:	03/12/2014 0505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	68		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	D9963.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/12/2014 0505			Final Weight/Volume:	5 mL
Prep Date:	03/12/2014 0505				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	102		71 - 126
Dibromofluoromethane (Surr)	103		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35886.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1700			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	4.5	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND UJ		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35886.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1700			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	102		71 - 126
Dibromofluoromethane (Surr)	106		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35887.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1721			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1721				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	7.6	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	NDUJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	NDUJ		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35887.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1721			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1721				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	102		71 - 126
Dibromofluoromethane (Surr)	109		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35888.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1742			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1742				

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

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35888.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1742			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1742				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	100		71 - 126
Dibromofluoromethane (Surr)	107		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05000.D
Dilution:	1.0			Initial Weight/Volume:	245.2 mL
Analysis Date:	03/17/2014 2340			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.49	5.1
2,4,6-Trichlorophenol	ND		0.62	5.1
2,4-Dichlorophenol	ND		0.52	5.1
2,4-Dimethylphenol	ND		0.51	5.1
2,4-Dinitrophenol	ND UJ		2.3	10
2,4-Dinitrotoluene	ND		0.46	5.1
2,6-Dinitrotoluene	ND		0.41	5.1
2-Chloronaphthalene	ND		0.47	5.1
2-Chlorophenol	ND		0.54	5.1
2-Methylnaphthalene	ND		0.61	5.1
2-Methylphenol	ND		0.41	5.1
2-Nitroaniline	ND		0.43	10
2-Nitrophenol	ND		0.49	5.1
3,3'-Dichlorobenzidine	ND		0.41	5.1
3-Nitroaniline	ND		0.49	10
4,6-Dinitro-2-methylphenol	ND		2.2	10
4-Bromophenyl phenyl ether	ND		0.46	5.1
4-Chloro-3-methylphenol	ND		0.46	5.1
4-Chloroaniline	ND		0.60	5.1
4-Chlorophenyl phenyl ether	ND		0.36	5.1
4-Methylphenol	ND		0.37	10
4-Nitroaniline	ND		0.25	10
4-Nitrophenol	ND UJ		1.5	10
Acenaphthene	ND		0.42	5.1
Acenaphthylene	ND		0.39	5.1
Acetophenone	ND		0.55	5.1
Anthracene	ND		0.29	5.1
Atrazine	ND		0.47	5.1
Benzaldehyde	0.28	J	0.27	5.1
Benzo[a]anthracene	ND		0.37	5.1
Benzo[a]pyrene	ND		0.48	5.1
Benzo[b]fluoranthene	ND		0.35	5.1
Benzo[g,h,i]perylene	ND		0.36	5.1
Benzo[k]fluoranthene	ND		0.74	5.1
Biphenyl	ND		0.67	5.1
bis (2-chloroisopropyl) ether	ND		0.53	5.1
Bis(2-chloroethoxy)methane	ND		0.36	5.1
Bis(2-chloroethyl)ether	ND		0.41	5.1
Bis(2-ethylhexyl) phthalate	ND		1.8	5.1
Butyl benzyl phthalate	ND		0.43	5.1
Caprolactam	5.1		2.2	5.1
Carbazole	ND		0.31	5.1
Chrysene	ND		0.34	5.1
Dibenz(a,h)anthracene	ND		0.43	5.1
Dibenzofuran	ND		0.52	10
Diethyl phthalate	ND		0.22	5.1

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05000.D
Dilution:	1.0			Initial Weight/Volume:	245.2 mL
Analysis Date:	03/17/2014 2340			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.37	5.1
Di-n-butyl phthalate	ND		0.32	5.1
Di-n-octyl phthalate	ND		0.48	5.1
Fluoranthene	ND		0.41	5.1
Fluorene	ND		0.37	5.1
Hexachlorobenzene	ND		0.52	5.1
Hexachlorobutadiene	ND		0.69	5.1
Hexachlorocyclopentadiene	ND		0.60	5.1
Hexachloroethane	ND		0.60	5.1
Indeno[1,2,3-cd]pyrene	ND		0.48	5.1
Isophorone	ND		0.44	5.1
Naphthalene	ND		0.77	5.1
Nitrobenzene	ND		0.30	5.1
N-Nitrosodi-n-propylamine	ND		0.55	5.1
N-Nitrosodiphenylamine	ND		0.52	5.1
Pentachlorophenol	ND	UJ	2.2	10
Phenanthrene	ND		0.45	5.1
Phenol	ND		0.40	5.1
Pyrene	ND		0.35	5.1

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	80		52 - 132
2-Fluorophenol (Surr)	65		20 - 120
Nitrobenzene-d5 (Surr)	83		46 - 120
Phenol-d5 (Surr)	50		16 - 120
p-Terphenyl-d14 (Surr)	97		67 - 150
2-Fluorobiphenyl	88		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05001.D
Dilution:	1.0			Initial Weight/Volume:	269 mL
Analysis Date:	03/18/2014 0004			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.45	4.6
2,4,6-Trichlorophenol	ND		0.57	4.6
2,4-Dichlorophenol	ND		0.47	4.6
2,4-Dimethylphenol	ND		0.46	4.6
2,4-Dinitrophenol	ND	UJ	2.1	9.3
2,4-Dinitrotoluene	ND		0.42	4.6
2,6-Dinitrotoluene	ND		0.37	4.6
2-Chloronaphthalene	ND		0.43	4.6
2-Chlorophenol	ND		0.49	4.6
2-Methylnaphthalene	ND		0.56	4.6
2-Methylphenol	ND		0.37	4.6
2-Nitroaniline	ND		0.39	9.3
2-Nitrophenol	ND		0.45	4.6
3,3'-Dichlorobenzidine	ND		0.37	4.6
3-Nitroaniline	ND		0.45	9.3
4,6-Dinitro-2-methylphenol	ND		2.0	9.3
4-Bromophenyl phenyl ether	ND		0.42	4.6
4-Chloro-3-methylphenol	ND		0.42	4.6
4-Chloroaniline	ND		0.55	4.6
4-Chlorophenyl phenyl ether	ND		0.33	4.6
4-Methylphenol	ND		0.33	9.3
4-Nitroaniline	ND		0.23	9.3
4-Nitrophenol	ND	UJ	1.4	9.3
Acenaphthene	ND		0.38	4.6
Acenaphthylene	ND		0.35	4.6
Acetophenone	ND		0.50	4.6
Anthracene	ND		0.26	4.6
Atrazine	ND		0.43	4.6
Benzaldehyde	ND		0.25	4.6
Benzo[a]anthracene	ND		0.33	4.6
Benzo[a]pyrene	ND		0.44	4.6
Benzo[b]fluoranthene	ND		0.32	4.6
Benzo[g,h,i]perylene	ND		0.33	4.6
Benzo[k]fluoranthene	ND		0.68	4.6
Biphenyl	ND		0.61	4.6
bis (2-chloroisopropyl) ether	ND		0.48	4.6
Bis(2-chloroethoxy)methane	ND		0.33	4.6
Bis(2-chloroethyl)ether	ND		0.37	4.6
Bis(2-ethylhexyl) phthalate	ND		1.7	4.6
Butyl benzyl phthalate	ND		0.39	4.6
Caprolactam	ND		2.0	4.6
Carbazole	ND		0.28	4.6
Chrysene	ND		0.31	4.6
Dibenz(a,h)anthracene	ND		0.39	4.6
Dibenzofuran	ND		0.47	9.3
Diethyl phthalate	ND		0.20	4.6

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05001.D
Dilution:	1.0			Initial Weight/Volume:	269 mL
Analysis Date:	03/18/2014 0004			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.33	4.6
Di-n-butyl phthalate	ND		0.29	4.6
Di-n-octyl phthalate	ND		0.44	4.6
Fluoranthene	ND		0.37	4.6
Fluorene	ND		0.33	4.6
Hexachlorobenzene	ND		0.47	4.6
Hexachlorobutadiene	ND		0.63	4.6
Hexachlorocyclopentadiene	ND		0.55	4.6
Hexachloroethane	ND		0.55	4.6
Indeno[1,2,3-cd]pyrene	ND		0.44	4.6
Isophorone	ND		0.40	4.6
Naphthalene	ND		0.71	4.6
Nitrobenzene	ND		0.27	4.6
N-Nitrosodi-n-propylamine	ND		0.50	4.6
N-Nitrosodiphenylamine	ND		0.47	4.6
Pentachlorophenol	ND	UJ	2.0	9.3
Phenanthrene	ND		0.41	4.6
Phenol	ND		0.36	4.6
Pyrene	ND		0.32	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	76		52 - 132
2-Fluorophenol (Surr)	51		20 - 120
Nitrobenzene-d5 (Surr)	92		46 - 120
Phenol-d5 (Surr)	42		16 - 120
p-Terphenyl-d14 (Surr)	88		67 - 150
2-Fluorobiphenyl	89		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05006.D
Dilution:	1.0			Initial Weight/Volume:	253.7 mL
Analysis Date:	03/18/2014 0202			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.47	4.9
2,4,6-Trichlorophenol	ND		0.60	4.9
2,4-Dichlorophenol	ND		0.50	4.9
2,4-Dimethylphenol	ND		0.49	4.9
2,4-Dinitrophenol	ND		2.2	9.9
2,4-Dinitrotoluene	ND		0.44	4.9
2,6-Dinitrotoluene	ND		0.39	4.9
2-Chloronaphthalene	ND		0.45	4.9
2-Chlorophenol	ND		0.52	4.9
2-Methylnaphthalene	ND		0.59	4.9
2-Methylphenol	ND		0.39	4.9
2-Nitroaniline	ND		0.41	9.9
2-Nitrophenol	ND	UJ	0.47	4.9
3,3'-Dichlorobenzidine	ND		0.39	4.9
3-Nitroaniline	ND		0.47	9.9
4,6-Dinitro-2-methylphenol	ND		2.2	9.9
4-Bromophenyl phenyl ether	ND		0.44	4.9
4-Chloro-3-methylphenol	ND		0.44	4.9
4-Chloroaniline	ND		0.58	4.9
4-Chlorophenyl phenyl ether	ND		0.34	4.9
4-Methylphenol	ND		0.35	9.9
4-Nitroaniline	ND		0.25	9.9
4-Nitrophenol	ND	UJ	1.5	9.9
Acenaphthene	ND		0.40	4.9
Acenaphthylene	ND		0.37	4.9
Acetophenone	ND		0.53	4.9
Anthracene	ND		0.28	4.9
Atrazine	ND		0.45	4.9
Benzaldehyde	ND		0.26	4.9
Benzo[a]anthracene	ND		0.35	4.9
Benzo[a]pyrene	ND		0.46	4.9
Benzo[b]fluoranthene	ND		0.34	4.9
Benzo[g,h,i]perylene	ND		0.34	4.9
Benzo[k]fluoranthene	ND		0.72	4.9
Biphenyl	ND		0.64	4.9
bis (2-chloroisopropyl) ether	ND		0.51	4.9
Bis(2-chloroethoxy)methane	ND		0.34	4.9
Bis(2-chloroethyl)ether	ND		0.39	4.9
Bis(2-ethylhexyl) phthalate	ND		1.8	4.9
Butyl benzyl phthalate	ND		0.41	4.9
Caprolactam	9.5		2.2	4.9
Carbazole	ND		0.30	4.9
Chrysene	ND		0.33	4.9
Dibenz(a,h)anthracene	ND		0.41	4.9
Dibenzofuran	ND		0.50	9.9
Diethyl phthalate	0.22	J	0.22	4.9

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05006.D
Dilution:	1.0			Initial Weight/Volume:	253.7 mL
Analysis Date:	03/18/2014 0202			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.35	4.9
Di-n-butyl phthalate	ND		0.31	4.9
Di-n-octyl phthalate	ND		0.46	4.9
Fluoranthene	ND		0.39	4.9
Fluorene	ND		0.35	4.9
Hexachlorobenzene	ND		0.50	4.9
Hexachlorobutadiene	ND		0.67	4.9
Hexachlorocyclopentadiene	ND		0.58	4.9
Hexachloroethane	ND		0.58	4.9
Indeno[1,2,3-cd]pyrene	ND		0.46	4.9
Isophorone	ND		0.42	4.9
Naphthalene	ND		0.75	4.9
Nitrobenzene	ND		0.29	4.9
N-Nitrosodi-n-propylamine	ND		0.53	4.9
N-Nitrosodiphenylamine	ND		0.50	4.9
Pentachlorophenol	NDUJ		2.2	9.9
Phenanthrene	ND		0.43	4.9
Phenol	ND		0.38	4.9
Pyrene	ND		0.34	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	90		52 - 132
2-Fluorophenol (Surr)	62		20 - 120
Nitrobenzene-d5 (Surr)	91		46 - 120
Phenol-d5 (Surr)	48		16 - 120
p-Terphenyl-d14 (Surr)	110		67 - 150
2-Fluorobiphenyl	76		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05008.D
Dilution:	1.0			Initial Weight/Volume:	255.5 mL
Analysis Date:	03/18/2014 0250			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.47	4.9
2,4,6-Trichlorophenol	ND		0.60	4.9
2,4-Dichlorophenol	ND		0.50	4.9
2,4-Dimethylphenol	ND		0.49	4.9
2,4-Dinitrophenol	ND	UJ	2.2	9.8
2,4-Dinitrotoluene	ND		0.44	4.9
2,6-Dinitrotoluene	ND		0.39	4.9
2-Chloronaphthalene	ND		0.45	4.9
2-Chlorophenol	ND		0.52	4.9
2-Methylnaphthalene	ND		0.59	4.9
2-Methylphenol	ND		0.39	4.9
2-Nitroaniline	ND		0.41	9.8
2-Nitrophenol	ND		0.47	4.9
3,3'-Dichlorobenzidine	ND		0.39	4.9
3-Nitroaniline	ND		0.47	9.8
4,6-Dinitro-2-methylphenol	ND		2.2	9.8
4-Bromophenyl phenyl ether	ND		0.44	4.9
4-Chloro-3-methylphenol	ND		0.44	4.9
4-Chloroaniline	ND		0.58	4.9
4-Chlorophenyl phenyl ether	ND		0.34	4.9
4-Methylphenol	ND		0.35	9.8
4-Nitroaniline	ND		0.24	9.8
4-Nitrophenol	ND	UJ	1.5	9.8
Acenaphthene	ND		0.40	4.9
Acenaphthylene	ND		0.37	4.9
Acetophenone	ND		0.53	4.9
Anthracene	ND		0.27	4.9
Atrazine	ND		0.45	4.9
Benzaldehyde	ND		0.26	4.9
Benzo[a]anthracene	ND		0.35	4.9
Benzo[a]pyrene	ND		0.46	4.9
Benzo[b]fluoranthene	ND		0.33	4.9
Benzo[g,h,i]perylene	ND		0.34	4.9
Benzo[k]fluoranthene	ND		0.71	4.9
Biphenyl	ND		0.64	4.9
bis (2-chloroisopropyl) ether	ND		0.51	4.9
Bis(2-chloroethoxy)methane	ND		0.34	4.9
Bis(2-chloroethyl)ether	ND		0.39	4.9
Bis(2-ethylhexyl) phthalate	ND		1.8	4.9
Butyl benzyl phthalate	ND		0.41	4.9
Caprolactam	8.1		2.2	4.9
Carbazole	ND		0.29	4.9
Chrysene	ND		0.32	4.9
Dibenz(a,h)anthracene	ND		0.41	4.9
Dibenzofuran	ND		0.50	9.8
Diethyl phthalate	0.43	J	0.22	4.9

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05008.D
Dilution:	1.0			Initial Weight/Volume:	255.5 mL
Analysis Date:	03/18/2014 0250			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.35	4.9
Di-n-butyl phthalate	0.30	J	0.30	4.9
Di-n-octyl phthalate	ND		0.46	4.9
Fluoranthene	ND		0.39	4.9
Fluorene	ND		0.35	4.9
Hexachlorobenzene	ND		0.50	4.9
Hexachlorobutadiene	ND		0.67	4.9
Hexachlorocyclopentadiene	ND		0.58	4.9
Hexachloroethane	ND		0.58	4.9
Indeno[1,2,3-cd]pyrene	ND		0.46	4.9
Isophorone	ND		0.42	4.9
Naphthalene	ND		0.74	4.9
Nitrobenzene	ND		0.28	4.9
N-Nitrosodi-n-propylamine	ND		0.53	4.9
N-Nitrosodiphenylamine	ND		0.50	4.9
Pentachlorophenol	NDUJ		2.2	9.8
Phenanthrene	ND		0.43	4.9
Phenol	ND		0.38	4.9
Pyrene	ND		0.33	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	100		52 - 132
2-Fluorophenol (Surr)	64		20 - 120
Nitrobenzene-d5 (Surr)	90		46 - 120
Phenol-d5 (Surr)	52		16 - 120
p-Terphenyl-d14 (Surr)	80		67 - 150
2-Fluorobiphenyl	89		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05007.D
Dilution:	1.0			Initial Weight/Volume:	253.4 mL
Analysis Date:	03/18/2014 0226			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.47	4.9
2,4,6-Trichlorophenol	ND		0.60	4.9
2,4-Dichlorophenol	ND		0.50	4.9
2,4-Dimethylphenol	ND		0.49	4.9
2,4-Dinitrophenol	ND UJ		2.2	9.9
2,4-Dinitrotoluene	ND		0.44	4.9
2,6-Dinitrotoluene	ND		0.39	4.9
2-Chloronaphthalene	ND		0.45	4.9
2-Chlorophenol	ND		0.52	4.9
2-Methylnaphthalene	ND		0.59	4.9
2-Methylphenol	ND		0.39	4.9
2-Nitroaniline	ND		0.41	9.9
2-Nitrophenol	ND		0.47	4.9
3,3'-Dichlorobenzidine	ND UJ	*	0.39	4.9
3-Nitroaniline	ND		0.47	9.9
4,6-Dinitro-2-methylphenol	ND UJ	*	2.2	9.9
4-Bromophenyl phenyl ether	ND UJ	*	0.44	4.9
4-Chloro-3-methylphenol	ND		0.44	4.9
4-Chloroaniline	ND		0.58	4.9
4-Chlorophenyl phenyl ether	ND		0.35	4.9
4-Methylphenol	ND		0.36	9.9
4-Nitroaniline	ND		0.25	9.9
4-Nitrophenol	ND UJ		1.5	9.9
Acenaphthene	ND		0.40	4.9
Acenaphthylene	ND		0.37	4.9
Acetophenone	ND		0.53	4.9
Anthracene	ND UJ	*	0.28	4.9
Atrazine	ND UJ		0.45	4.9
Benzaldehyde	ND		0.26	4.9
Benzo[a]anthracene	ND UJ	*	0.36	4.9
Benzo[a]pyrene	ND UJ	*	0.46	4.9
Benzo[b]fluoranthene	ND UJ	*	0.34	4.9
Benzo[g,h,i]perylene	ND UJ	*	0.35	4.9
Benzo[k]fluoranthene	ND UJ	*	0.72	4.9
Biphenyl	ND		0.64	4.9
bis (2-chloroisopropyl) ether	ND		0.51	4.9
Bis(2-chloroethoxy)methane	ND		0.35	4.9
Bis(2-chloroethyl)ether	ND		0.39	4.9
Bis(2-ethylhexyl) phthalate	ND UJ	*	1.8	4.9
Butyl benzyl phthalate	ND UJ	*	0.41	4.9
Caprolactam	59		2.2	4.9
Carbazole	ND UJ	*	0.30	4.9
Chrysene	ND UJ	*	0.33	4.9
Dibenz(a,h)anthracene	ND UJ	*	0.41	4.9
Dibenzofuran	ND		0.50	9.9
Diethyl phthalate	0.84	J	0.22	4.9

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05007.D
Dilution:	1.0			Initial Weight/Volume:	253.4 mL
Analysis Date:	03/18/2014 0226			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.36	4.9
Di-n-butyl phthalate	ND UJ	*	0.31	4.9
Di-n-octyl phthalate	ND UJ	*	0.46	4.9
Fluoranthene	ND UJ	*	0.39	4.9
Fluorene	ND		0.36	4.9
Hexachlorobenzene	ND UJ	*	0.50	4.9
Hexachlorobutadiene	ND		0.67	4.9
Hexachlorocyclopentadiene	ND		0.58	4.9
Hexachloroethane	ND		0.58	4.9
Indeno[1,2,3-cd]pyrene	ND UJ	*	0.46	4.9
Isophorone	ND		0.42	4.9
Naphthalene	ND		0.75	4.9
Nitrobenzene	ND		0.29	4.9
N-Nitrosodi-n-propylamine	ND		0.53	4.9
N-Nitrosodiphenylamine	ND	*	0.50	4.9
Pentachlorophenol	ND UJ	*	2.2	9.9
Phenanthrene	ND UJ	*	0.43	4.9
Phenol	ND		0.38	4.9
Pyrene	ND UJ	*	0.34	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	111	*	52 - 132
2-Fluorophenol (Surr)	59		20 - 120
Nitrobenzene-d5 (Surr)	91		46 - 120
Phenol-d5 (Surr)	49		16 - 120
p-Terphenyl-d14 (Surr)	92	*	67 - 150
2-Fluorobiphenyl	93		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	253.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1516			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0091	0.049
4,4'-DDE	ND		0.011	0.049
4,4'-DDT	0.019	J	0.011	0.049
Aldrin	ND		0.0065	0.049
alpha-BHC	ND		0.0065	0.049
alpha-Chlordane	ND		0.015	0.049
beta-BHC	ND		0.024	0.049
delta-BHC	0.013	J	0.0099	0.049
Dieldrin	ND		0.0097	0.049
Endosulfan I	ND		0.011	0.049
Endosulfan II	ND		0.012	0.049
Endosulfan sulfate	ND		0.016	0.049
Endrin	ND		0.014	0.049
Endrin aldehyde	ND		0.016	0.049
Endrin ketone	ND		0.012	0.049
gamma-BHC (Lindane)	ND		0.0059	0.049
gamma-Chlordane	ND		0.011	0.049
Heptachlor	ND		0.0084	0.049
Heptachlor epoxide	ND		0.0052	0.049
Methoxychlor	ND		0.014	0.049
Toxaphene	ND		0.12	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	35		20 - 120
Tetrachloro-m-xylene	79		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

All target analytes should be qualified as estimated.

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	257.6 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1534			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0089	0.049
4,4'-DDE	ND		0.011	0.049
4,4'-DDT	0.027	J	0.011	0.049
Aldrin	ND		0.0064	0.049
alpha-BHC	ND		0.0064	0.049
alpha-Chlordane	ND		0.014	0.049
beta-BHC	ND		0.024	0.049
delta-BHC	0.010	J	0.0097	0.049
Dieldrin	ND		0.0095	0.049
Endosulfan I	ND		0.011	0.049
Endosulfan II	ND		0.012	0.049
Endosulfan sulfate	ND		0.015	0.049
Endrin	ND		0.013	0.049
Endrin aldehyde	ND		0.016	0.049
Endrin ketone	ND		0.012	0.049
gamma-BHC (Lindane)	ND		0.0058	0.049
gamma-Chlordane	0.012	J	0.011	0.049
Heptachlor	ND		0.0082	0.049
Heptachlor epoxide	ND		0.0051	0.049
Methoxychlor	ND		0.014	0.049
Toxaphene	ND		0.12	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		20 - 120
Tetrachloro-m-xylene	72		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1

Client Matrix: Water

All target analytes should be qualified as estimated.

Date Sampled: 03/11/2014 1520

Date Received: 03/12/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	250 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1609			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.046	0.25
4,4'-DDE	ND		0.058	0.25
4,4'-DDT	ND		0.055	0.25
Aldrin	ND		0.033	0.25
alpha-BHC	ND		0.033	0.25
alpha-Chlordane	ND		0.074	0.25
beta-BHC	ND		0.12	0.25
delta-BHC	ND		0.050	0.25
Dieldrin	ND		0.049	0.25
Endosulfan I	ND		0.055	0.25
Endosulfan II	ND		0.060	0.25
Endosulfan sulfate	ND		0.079	0.25
Endrin	ND		0.069	0.25
Endrin aldehyde	ND		0.082	0.25
Endrin ketone	ND		0.060	0.25
gamma-BHC (Lindane)	ND		0.030	0.25
gamma-Chlordane	ND		0.055	0.25
Heptachlor	0.080	J	0.043	0.25
Heptachlor epoxide	ND		0.027	0.25
Methoxychlor	ND		0.071	0.25
Toxaphene	ND		0.60	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	39		20 - 120
Tetrachloro-m-xylene	83		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	250.3 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1552			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.046	0.25
4,4'-DDE	ND		0.058	0.25
4,4'-DDT	ND		0.055	0.25
Aldrin	ND		0.033	0.25
alpha-BHC	ND		0.033	0.25
alpha-Chlordane	ND		0.074	0.25
beta-BHC	ND		0.12	0.25
delta-BHC	ND		0.050	0.25
Dieldrin	ND		0.049	0.25
Endosulfan I	ND		0.055	0.25
Endosulfan II	ND		0.060	0.25
Endosulfan sulfate	ND		0.078	0.25
Endrin	ND		0.069	0.25
Endrin aldehyde	ND		0.081	0.25
Endrin ketone	ND		0.060	0.25
gamma-BHC (Lindane)	ND		0.030	0.25
gamma-Chlordane	ND		0.055	0.25
Heptachlor	ND		0.042	0.25
Heptachlor epoxide	ND		0.026	0.25
Methoxychlor	ND		0.070	0.25
Toxaphene	ND		0.60	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	40		20 - 120
Tetrachloro-m-xylene	89		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3

Client Matrix: Water

Date Sampled: 03/11/2014 1350

Date Received: 03/12/2014 0900

All target analytes should be qualified as estimated.

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	237.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1627			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0097	0.053
4,4'-DDE	ND		0.012	0.053
4,4'-DDT	ND		0.012	0.053
Aldrin	ND		0.0070	0.053
alpha-BHC	0.0088	J	0.0070	0.053
alpha-Chlordane	ND		0.016	0.053
beta-BHC	ND		0.026	0.053
delta-BHC	0.012	J	0.011	0.053
Dieldrin	ND		0.010	0.053
Endosulfan I	ND		0.012	0.053
Endosulfan II	ND		0.013	0.053
Endosulfan sulfate	ND		0.017	0.053
Endrin	ND		0.015	0.053
Endrin aldehyde	ND		0.017	0.053
Endrin ketone	ND		0.013	0.053
gamma-BHC (Lindane)	ND		0.0063	0.053
gamma-Chlordane	0.012	J	0.012	0.053
Heptachlor	ND		0.0090	0.053
Heptachlor epoxide	ND		0.0056	0.053
Methoxychlor	ND		0.015	0.053
Toxaphene	ND		0.13	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	37		20 - 120
Tetrachloro-m-xylene	82		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

All target analytes should be qualified as estimated.

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	251.9 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1619			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.50
PCB-1221	ND		0.17	0.50
PCB-1232	ND		0.17	0.50
PCB-1242	ND		0.17	0.50
PCB-1248	ND		0.17	0.50
PCB-1254	ND		0.25	0.50
PCB-1260	ND		0.25	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		23 - 127
DCB Decachlorobiphenyl	70		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

All target analytes should be qualified as estimated.

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	267 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1634			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.16	0.47
PCB-1221	ND		0.16	0.47
PCB-1232	ND		0.16	0.47
PCB-1242	ND		0.16	0.47
PCB-1248	ND		0.16	0.47
PCB-1254	ND		0.23	0.47
PCB-1260	ND		0.23	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		23 - 127
DCB Decachlorobiphenyl	69		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

All target analytes should be qualified as estimated.

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	255 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1207			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.49
PCB-1221	ND		0.17	0.49
PCB-1232	ND		0.17	0.49
PCB-1242	ND		0.17	0.49
PCB-1248	ND		0.17	0.49
PCB-1254	ND		0.25	0.49
PCB-1260	ND		0.25	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		23 - 127
DCB Decachlorobiphenyl	55		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

All target analytes should be qualified as estimated.

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	240.5 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1222			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.18	0.52
PCB-1221	ND		0.18	0.52
PCB-1232	ND		0.18	0.52
PCB-1242	ND		0.18	0.52
PCB-1248	ND		0.18	0.52
PCB-1254	ND		0.26	0.52
PCB-1260	ND		0.26	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		23 - 127
DCB Decachlorobiphenyl	68		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

All target analytes should be qualified as estimated.

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	249.3 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1237			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.18	0.50
PCB-1221	ND		0.18	0.50
PCB-1232	ND		0.18	0.50
PCB-1242	ND		0.18	0.50
PCB-1248	ND		0.18	0.50
PCB-1254	ND		0.25	0.50
PCB-1260	ND		0.25	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		23 - 127
DCB Decachlorobiphenyl	74		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

All target analytes should be qualified as estimated.

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1053.6 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1536			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.47
Silvex (2,4,5-TP)	ND		0.34	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	122		40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

All target analytes should be qualified as estimated.

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1055.7 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1606			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.47
Silvex (2,4,5-TP)	ND		0.34	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	131		40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

All target analytes should be qualified as estimated.

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1051.9 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1834			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	169	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

All target analytes should be qualified as estimated.

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1046.3 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1904			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	125		40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

All target analytes should be qualified as estimated.

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1047.6 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1933			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	137	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-170104	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-169698	Lab File ID:	I1031314B-11.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 0108			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0930				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	58.1		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	0.0062 JH	J	0.0056	0.015
Barium	0.81 JH		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	0.0031		0.00050	0.0020
Calcium	37.6		0.10	0.50
Chromium	0.13 J		0.0010	0.0040
Cobalt	0.042		0.00063	0.0040
Copper	0.15		0.0016	0.010
Iron	83.9		0.019	0.050
Lead	0.056 J		0.0030	0.010
Magnesium	29.9		0.043	0.20
Manganese	1.9 JH		0.00040	0.0030
Nickel	0.094		0.0013	0.010
Potassium	26.7		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	0.0049	J	0.0017	0.0060
Sodium	17.5 JH		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.15		0.0015	0.0050
Zinc	0.31 JH		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169716	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1353			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0905				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	0.00083		0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-170104	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-169698	Lab File ID:	I1031314B-11.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 0111			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0930				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	2.1		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	0.0071 JH	J	0.0056	0.015
Barium	0.19 JH		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	ND		0.00050	0.0020
Calcium	69.3		0.10	0.50
Chromium	0.0047 J		0.0010	0.0040
Cobalt	0.0024	J	0.00063	0.0040
Copper	0.012		0.0016	0.010
Iron	22.7		0.019	0.050
Lead	0.0063 J	J	0.0030	0.010
Magnesium	17.3		0.043	0.20
Manganese	2.2 JH		0.00040	0.0030
Nickel	0.0036	J	0.0013	0.010
Potassium	4.4		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060
Sodium	3.1 JH		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.010		0.0015	0.0050
Zinc	0.047 JH		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169716	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1358			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0905				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

6010C Metals (ICP) All target analytes should be qualified as unusable.

Analysis Method:	6010C	Analysis Batch:	480-170400	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-170056	Lab File ID:	I1031414B-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 2246			Final Weight/Volume:	50 mL
Prep Date:	03/14/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.53		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.015
Barium	0.068		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	ND		0.00050	0.0020
Calcium	42.0		0.10	0.50
Chromium	0.0060		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0059	J	0.0016	0.010
Iron	0.79		0.019	0.050
Lead	0.0031	J	0.0030	0.010
Magnesium	14.9		0.043	0.20
Manganese	0.083	B	0.00040	0.0030
Nickel	0.019		0.0013	0.010
Potassium	3.0		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060
Sodium	16.7		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.11	B	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169814	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1455			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

6010C Metals (ICP)

All target analytes should be qualified as unusable.

Analysis Method:	6010C	Analysis Batch:	480-170400	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-170056	Lab File ID:	I1031414B-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 2257			Final Weight/Volume:	50 mL
Prep Date:	03/14/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	4.1		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.015
Barium	0.25		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	0.00080	J	0.00050	0.0020
Calcium	87.7		0.10	0.50
Chromium	0.016		0.0010	0.0040
Cobalt	0.0055		0.00063	0.0040
Copper	0.20		0.0016	0.010
Iron	36.5		0.019	0.050
Lead	0.021		0.0030	0.010
Magnesium	21.9		0.043	0.20
Manganese	4.6	B	0.00040	0.0030
Nickel	0.011		0.0013	0.010
Potassium	5.1		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	0.0026	J	0.0017	0.0060
Sodium	19.6		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.010		0.0015	0.0050
Zinc	0.20	B	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169814	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1457			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	0.00044		0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

6010C Metals (ICP)

All target analytes should be qualified as unusable.

Analysis Method:	6010C	Analysis Batch:	480-170400	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-170056	Lab File ID:	I1031414B-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 2300			Final Weight/Volume:	50 mL
Prep Date:	03/14/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	2.1		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	0.016		0.0056	0.015
Barium	0.37		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	0.0053		0.00050	0.0020
Calcium	34.3		0.10	0.50
Chromium	0.11		0.0010	0.0040
Cobalt	0.0015	J	0.00063	0.0040
Copper	0.060		0.0016	0.010
Iron	40.9		0.019	0.050
Lead	0.054		0.0030	0.010
Magnesium	10.0		0.043	0.20
Manganese	0.96	B	0.00040	0.0030
Nickel	0.013		0.0013	0.010
Potassium	3.8		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	0.0035	J	0.0017	0.0060
Sodium	15.3		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.063		0.0015	0.0050
Zinc	0.062	B	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169814	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1459			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	0.00020		0.00012	0.00020

General Chemistry

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1 Date Sampled: 03/10/2014 1405

Client Matrix: Water Date Received: 03/11/2014 1058

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	335.4
Analysis Batch: 480-169758	Analysis Date: 03/12/2014 1013						
Prep Batch: 480-169633	Prep Date: 03/11/2014 1650						

General Chemistry

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2 Date Sampled: 03/10/2014 1500

Client Matrix: Water Date Received: 03/11/2014 1058

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	335.4

Analysis Batch: 480-169758 Analysis Date: 03/12/2014 1014

Prep Batch: 480-169633 Prep Date: 03/11/2014 1650

General Chemistry

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1 Date Sampled: 03/11/2014 1520

Client Matrix: Water Date Received: 03/12/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	335.4
Analysis Batch: 480-170587	Analysis Date: 03/18/2014 1033						
Prep Batch: 480-170470	Prep Date: 03/17/2014 1622						

General Chemistry

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2 Date Sampled: 03/11/2014 1435

Client Matrix: Water Date Received: 03/12/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	335.4
Analysis Batch: 480-170587	Analysis Date: 03/18/2014 1034						
Prep Batch: 480-170470	Prep Date: 03/17/2014 1622						

General Chemistry

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3 Date Sampled: 03/11/2014 1350

Client Matrix: Water Date Received: 03/12/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.010 ~~0.0059~~	~~J B~~ U	mg/L	0.0050	0.010	1.0	335.4

Analysis Batch: 480-170587 Analysis Date: 03/18/2014 1037

Prep Batch: 480-170470 Prep Date: 03/17/2014 1622

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-169830/3 Calibration Date: 03/13/2014 09:57

Instrument ID: HP5973S Calib Start Date: 02/04/2014 21:47

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 02/04/2014 23:36

Lab File ID: S35868.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.832	1.892	0.1000	25.8	25.0	3.3	20.0
Chloromethane	Ave	1.744	2.211	0.1000	31.7	25.0	26.7*	20.0
Vinyl chloride	Ave	1.403	1.594	0.1000	28.4	25.0	13.6	20.0
Butadiene	Ave	1.003	1.181		29.4	25.0	17.8	20.0
Bromomethane	Ave	0.6641	0.8858	0.1000	33.3	25.0	33.4*	20.0
Chloroethane	Ave	0.7063	0.8917	0.1000	31.6	25.0	26.2*	20.0
Trichlorofluoromethane	Ave	1.791	2.213	0.1000	30.9	25.0	23.6*	20.0
Dichlorofluoromethane	Ave	1.904	2.385		31.3	25.0	25.3*	20.0
Ethyl ether	Ave	1.038	1.082		26.1	25.0	4.3	20.0
Acrolein	Ave	0.2530	0.2687		133	125	6.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.277	1.434	0.1000	28.1	25.0	12.3	20.0
1,1-Dichloroethene	Ave	1.420	1.517	0.1000	26.7	25.0	6.8	20.0
Acetone	Ave	0.5715	0.5971	0.1000	131	125	4.5	20.0
Iodomethane	Ave	1.722	2.174		31.6	25.0	26.3*	20.0
Carbon disulfide	Ave	4.188	5.120	0.1000	30.6	25.0	22.2*	20.0
Allyl chloride	Ave	1.589	1.940		30.5	25.0	22.1*	20.0
Methyl acetate	Ave	1.415	1.382	0.1000	122	125	-2.3	20.0
Methylene Chloride	Ave	1.606	1.651	0.1000	25.7	25.0	2.8	20.0
2-Methyl-2-propanol	Ave	0.2199	0.2035		231	250	-7.5	20.0
Methyl tert-butyl ether	Ave	4.252	4.246	0.1000	25.0	25.0	-0.2	20.0
trans-1,2-Dichloroethene	Ave	1.453	1.605	0.1000	27.6	25.0	10.5	20.0
Acrylonitrile	Ave	0.6780	0.6763		249	250	-0.3	20.0
Hexane	Ave	2.081	2.256		27.1	25.0	8.4	20.0
1,1-Dichloroethane	Ave	2.399	2.450	0.2000	25.5	25.0	2.1	20.0
Vinyl acetate	Ave	3.297	3.001		45.5	50.0	-9.0	20.0
2,2-Dichloropropane	Ave	1.413	1.201		21.2	25.0	-15.0	20.0
cis-1,2-Dichloroethene	Ave	1.551	1.616	0.1000	26.0	25.0	4.2	20.0
2-Butanone (MEK)	Ave	0.9228	0.9007	0.1000	122	125	-2.4	20.0
Chlorobromomethane	Ave	0.7835	0.8336		26.6	25.0	6.4	20.0
Tetrahydrofuran	Ave	0.6856	0.6063		44.2	50.0	-11.6	20.0
Chloroform	Ave	2.357	2.415	0.2000	25.6	25.0	2.4	20.0
1,1,1-Trichloroethane	Ave	1.761	1.928	0.1000	27.4	25.0	9.5	20.0
Cyclohexane	Ave	2.214	2.558	0.1000	28.9	25.0	15.5	20.0
Carbon tetrachloride	Ave	1.459	1.546	0.1000	26.5	25.0	6.0	20.0
1,1-Dichloropropene	Ave	1.757	1.895		27.0	25.0	7.9	20.0
Isobutyl alcohol	Ave	0.1020	0.0971		595	625	-4.8	20.0
Benzene	Ave	5.699	5.924	0.5000	26.0	25.0	3.9	20.0
1,2-Dichloroethane	Ave	1.831	1.824	0.1000	24.9	25.0	-0.4	20.0
n-Heptane	Ave	2.246	2.287		25.5	25.0	1.8	20.0
Trichloroethene	Ave	1.424	1.507	0.2000	26.5	25.0	5.8	20.0

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Sample No.: CCVIS 480-170376/3 Date Analyzed: 03/17/2014 16:06

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): W04981.D Heated Purge: (Y/N) N

Calibration ID: 17711

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		888510	9.15	738591	11.35	684277	12.88
UPPER LIMIT		1777020	9.65	1477182	11.85	1368554	13.38
LOWER LIMIT		444255	8.65	369296	10.85	342139	12.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-170376/4		1214787	9.15	963124	11.34	763706	12.88
CCVL 480-170376/5		1408816	9.15	1226606	11.34	1038921	12.88
CCV 480-170376/6		1384511	9.15	1158843	11.34	930016	12.88
CCV 480-170376/7		1182104	9.15	992276	11.34	934042	12.88
CCV 480-170376/8		1479417	9.15	1265397	11.34	1025506	12.88
MB 480-169810/1-A		842442	9.14	694189	11.34	683158	12.88
LCS 480-169810/2-A		875549	9.15	728668	11.35	757395	12.89
480-55783-1	MW-P	877591	9.14	741941	11.34	742307	12.88
480-55783-2	MW-3	779310	9.14	706254	11.35	697711	12.88
480-55880-1	MW-1	818960	9.14	652930	11.35	369006	12.88
480-55880-3	MW-5	398288*	9.14	361418*	11.34	330609*	12.88
480-55880-2	MW-4	745953	9.14	729827	11.35	353433	12.88

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.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-170376/3 Calibration Date: 03/17/2014 16:06

Instrument ID: HP5973W Calib Start Date: 03/06/2014 13:08

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 03/06/2014 15:33

Lab File ID: W04981.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3-Nitroaniline	Ave	0.3021	0.3162	0.0100	5230	5000	4.7	20.0
Acenaphthene	Ave	1.125	1.151	0.0100	5120	5000	2.3	20.0
2,4-Dinitrophenol	Lin1		0.1065	0.0100	5830	10000	-41.7*	20.0
Dibenzofuran	Ave	1.583	1.594	0.8000	5030	5000	0.7	20.0
2,4-Dinitrotoluene	Ave	0.3590	0.3758	0.0100	5230	5000	4.7	20.0
4-Nitrophenol	Ave	0.1408	0.0815	0.0100	5790	10000	-42.1*	20.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2571	0.0100	3760	5000	-24.8	40.0
Diethyl phthalate	Ave	1.160	1.122	0.0100	4840	5000	-3.3	20.0
Fluorene	Ave	1.236	1.267	0.9000	5130	5000	2.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6282	0.6396	0.4000	5090	5000	1.8	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1265	0.0100	8880	10000	-11.2	20.0
4-Nitroaniline	Ave	0.2432	0.2647	0.0100	5440	5000	8.9	20.0
1,2-Diphenylhydrazine	Ave	1.242	1.316	0.0100	5300	5000	5.9	25.0
trans-Azobenzene	Ave	0.7230	0.8292	0.0100	5730	5000	14.7	40.0
4-Bromophenyl phenyl ether	Ave	0.2249	0.2362	0.1000	5250	5000	5.0	20.0
Hexachlorobenzene	Ave	0.2527	0.2619	0.1000	5180	5000	3.6	20.0
Pentachlorophenol	Lin1		0.0434*	0.0500	3490	10000	-65.1*	20.0
Phenanthrene	Ave	1.004	0.9935	0.7000	4950	5000	-1.0	20.0
Anthracene	Ave	1.042	1.019	0.7000	4890	5000	-2.2	20.0
Carbazole	Ave	0.9075	0.9118	0.0100	5020	5000	0.5	20.0
Di-n-butyl phthalate	Ave	1.069	1.049	0.0100	4910	5000	-1.8	20.0
Fluoranthene	Ave	1.085	1.027	0.6000	4740	5000	-5.3	20.0
Pyrene	Ave	1.060	1.254	0.6000	5920	5000	18.3	20.0
Butyl benzyl phthalate	Ave	0.4438	0.4797	0.0100	5410	5000	8.1	20.0
Benzo[a]anthracene	Ave	1.019	1.034	0.8000	5070	5000	1.4	20.0
Chrysene	Ave	1.036	1.047	0.7000	5050	5000	1.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6565	0.6384	0.0100	4860	5000	-2.7	20.0
Di-n-octyl phthalate	Lin1		1.089	0.0100	4820	5000	-3.5	20.0
Benzo[b]fluoranthene	Ave	1.025	1.139	0.7000	5560	5000	11.1	20.0
Benzo[k]fluoranthene	Ave	1.096	1.156	0.7000	5270	5000	5.5	20.0
Benzo[a]pyrene	Ave	1.004	1.058	0.7000	5270	5000	5.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9730	0.9786	0.5000	5030	5000	0.6	20.0
Dibenz(a,h)anthracene	Ave	1.002	0.8214	0.4000	4100	5000	-18.0	20.0
Benzo[g,h,i]perylene	Ave	0.9866	0.7083	0.5000	3590	5000	-28.2*	20.0
2-Fluorophenol (Surr)	Ave	1.214	1.225	0.0100	5040	5000	0.9	25.0
Phenol-d5 (Surr)	Ave	1.545	1.649	0.0100	5340	5000	6.7	25.0
Nitrobenzene-d5 (Surr)	Ave	0.3721	0.3896	0.0100	5230	5000	4.7	25.0
2-Fluorobiphenyl	Ave	1.245	1.293	0.0100	5190	5000	3.8	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1225	0.1302	0.0100	5310	5000	6.3	25.0
p-Terphenyl-d14 (Surr)	Ave	0.7508	0.8906	0.0100	5930	5000	18.6	25.0

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170037/47 Calibration Date: 03/14/2014 14:50

Instrument ID: HP5890-12 Calib Start Date: 03/04/2014 12:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 03/04/2014 13:43

Lab File ID: 12_279_135.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	173546	165936		0.478	0.500	-4.4	20.0
PCB-1016 Peak 2	Ave	81678	80874		0.495	0.500	-1.0	20.0
PCB-1016 Peak 3	Ave	100971	35646		0.177	0.500	-64.7*	20.0
PCB-1016 Peak 4	Ave	70716	73174		0.517	0.500	3.5	20.0
PCB-1260 Peak 1	Ave	112042	102824		0.459	0.500	-8.2	20.0
PCB-1260 Peak 2	Ave	112344	103422		0.460	0.500	-7.9	20.0
PCB-1260 Peak 3	Ave	227597	207620		0.456	0.500	-8.8	20.0
PCB-1260 Peak 4	Ave	226500	214458		0.473	0.500	-5.3	20.0
Tetrachloro-m-xylene	Ave	2109408	1833100		0.0261	0.0300	-13.1	20.0
DCB Decachlorobiphenyl	Ave	2986524	2832033		0.0284	0.0300	-5.2	20.0

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DCPA1	#
MW-P	480-55783-1	122	
MW-3	480-55783-2	131	
MW-1	480-55880-1	169	X
MW-4	480-55880-2	125	
MW-5	480-55880-3	137	X
	MB 480-169808/1-A	100	
	LCS 480-169808/2-A	120	

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

Column to be used to flag recovery values

FORM II 8151A

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170053/13 Calibration Date: 03/14/2014 13:07

Instrument ID: HP5890-13 Calib Start Date: 12/19/2013 13:27

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 12/19/2013 16:24

Lab File ID: 13_56013.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		1428752		0.277	0.250	10.8	15.0
Dichlorprop	Lin1		1326700		0.292	0.250	17.0*	15.0
2,4-D	Lin1		1488396		0.293	0.250	17.0*	15.0
Pentachlorophenol	Lin1		11846000		0.270	0.250	8.2	15.0
Silvex (2,4,5-TP)	Lin1		5156908		0.295	0.250	18.1*	15.0
2,4,5-T	Lin1		4864284		0.291	0.250	16.3*	15.0
Picloram	Qua		3384280		0.261	0.250	4.4	15.0
Dinoseb	Qua		3800212		0.299	0.250	19.7*	15.0
2,4-Dichlorophenylacetic acid	Qua		1343360		0.281	0.250	12.4	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170053/27 Calibration Date: 03/14/2014 20:03

Instrument ID: HP5890-13 Calib Start Date: 12/19/2013 13:27

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 12/19/2013 16:24

Lab File ID: 13_56027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		1441116		0.279	0.250	11.8	15.0
Dichlorprop	Lin1		1332104		0.294	0.250	17.5*	15.0
2,4-D	Lin1		1493716		0.294	0.250	17.5*	15.0
Pentachlorophenol	Lin1		11956188		0.273	0.250	9.2	15.0
Silvex (2,4,5-TP)	Lin1		5198084		0.298	0.250	19.0*	15.0
2,4,5-T	Lin1		4921296		0.294	0.250	17.7*	15.0
Picloram	Qua		3356644		0.259	0.250	3.6	15.0
Dinoseb	Qua		3809656		0.300	0.250	20.0*	15.0
2,4-Dichlorophenylacetic acid	Qua		1352080		0.283	0.250	13.3	15.0

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

ICV Source: MEI_10_CCVL_00019 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00019

Analyte	ICVL 480-170104/7 03/13/2014 17:44				CCVL 480-170104/15 03/13/2014 23:17				CCVL 480-170104/20 03/13/2014 23:51			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.222		0.200	111	0.203		0.200	101	0.217		0.200	109
Antimony	0.0203		0.0200	102	0.0199	J	0.0200	100	0.0194	J	0.0200	97
Arsenic	0.0156		0.0150	104	0.0163		0.0150	109	0.0136	J	0.0150	91
Barium	0.00225		0.00200	113	0.00231		0.00200	116	0.00235		0.00200	118
Beryllium	0.00214		0.00200	107	0.00209		0.00200	105	0.00209		0.00200	105
Cadmium	0.00203		0.00200	102	0.00211		0.00200	106	0.00203		0.00200	102
Calcium	0.519		0.500	104	0.493	J	0.500	99	0.518		0.500	104
Chromium	0.00422		0.00400	106	0.00390	J	0.00400	98	0.00395	J	0.00400	99
Cobalt	0.00416		0.00400	104	0.00399	J	0.00400	100	0.00415		0.00400	104
Copper	0.0110		0.0100	110	0.0110		0.0100	110	0.0111		0.0100	111
Iron	0.0497	J	0.0500	99	0.0454	J	0.0500	91	0.0463	J	0.0500	93
Lead	0.0111		0.0100	111	0.00947	J	0.0100	95	0.0113		0.0100	113
Magnesium	0.213		0.200	106	0.213		0.200	106	0.212		0.200	106
Manganese	0.00353		0.00300	118	0.00340		0.00300	113	0.00347		0.00300	116
Nickel	0.0111		0.0100	111	0.0109		0.0100	109	0.0107		0.0100	107
Potassium	0.514		0.500	103	0.530		0.500	106	0.521		0.500	104
Selenium	0.0243	J	0.0250	97	0.0281		0.0250	113	0.0227	J	0.0250	91
Silver	0.00597	J	0.00600	100	0.00522	J	0.00600	87	0.00591	J	0.00600	99
Sodium	1.03		1.00	103	1.05		1.00	105	1.06		1.00	106
Thallium	0.0211		0.0200	105	0.0213		0.0200	106	0.0218		0.0200	109
Vanadium	0.00509		0.00500	102	0.00547		0.00500	109	0.00536		0.00500	107
Zinc	0.0104		0.0100	104	0.00980	J	0.0100	98	0.0101		0.0100	101

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

ICV Source: MEI_10_CCVL_00019 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00019

Analyte	CCVL 480-170104/32 03/14/2014 00:25				CCVL 480-170104/44 03/14/2014 01:00				CCVL 480-170104/51 03/14/2014 01:34			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.203		0.200	101	0.199	J	0.200	99	0.204		0.200	102
Antimony	0.0202		0.0200	101	0.0213		0.0200	107	0.0198	J	0.0200	99
Arsenic	0.0157		0.0150	105	0.0136	J	0.0150	90	0.0166		0.0150	111
Barium	0.00236		0.00200	118	0.00229		0.00200	115	0.00229		0.00200	115
Beryllium	0.00210		0.00200	105	0.00213		0.00200	107	0.00212		0.00200	106
Cadmium	0.00202		0.00200	101	0.00204		0.00200	102	0.00194	J	0.00200	97
Calcium	0.511		0.500	102	0.503		0.500	101	0.499	J	0.500	100
Chromium	0.00403		0.00400	101	0.00340	J	0.00400	85	0.00398	J	0.00400	100
Cobalt	0.00412		0.00400	103	0.00405		0.00400	101	0.00405		0.00400	101
Copper	0.0116		0.0100	116	0.0105		0.0100	105	0.0109		0.0100	109
Iron	0.0467	J	0.0500	93	0.0459	J	0.0500	92	0.0459	J	0.0500	92
Lead	0.0111		0.0100	111	0.00961	J	0.0100	96	0.00886	J	0.0100	89
Magnesium	0.213		0.200	107	0.207		0.200	104	0.209		0.200	104
Manganese	0.00340		0.00300	113	0.00346		0.00300	115	0.00344		0.00300	115
Nickel	0.0109		0.0100	109	0.0109		0.0100	109	0.0105		0.0100	105
Potassium	0.543		0.500	109	0.533		0.500	107	0.547		0.500	109
Selenium	0.0261		0.0250	104	0.0258		0.0250	103	0.0246	J	0.0250	98
Silver	0.00554	J	0.00600	92	0.00570	J	0.00600	95	0.00595	J	0.00600	99
Sodium	1.08		1.00	108	1.07		1.00	107	1.13		1.00	113
Thallium	0.0211		0.0200	105	0.0190	J	0.0200	95	0.0215		0.0200	107
Vanadium	0.00563		0.00500	113	0.00537		0.00500	107	0.00513		0.00500	103
Zinc	0.0101		0.0100	101	0.0100		0.0100	100	0.0128		0.0100	128

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

ICV Source: MEI_10_CCVL_00019 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00019

Analyte	ICVL 480-170155/7 03/14/2014 10:49				CCVL 480-170155/15 03/14/2014 12:26				CCVL 480-170155/22 03/14/2014 12:59			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.213		0.200	106	0.212		0.200	106	0.203		0.200	101
Antimony	0.0182	J	0.0200	91	0.0183	J	0.0200	92	0.0182	J	0.0200	91
Arsenic	0.0139	J	0.0150	92	0.0141	J	0.0150	94	0.0146	J	0.0150	97
Barium	0.00225		0.00200	113	0.00234		0.00200	117	0.00231		0.00200	116
Beryllium	0.00224		0.00200	112	0.00213		0.00200	107	0.00207		0.00200	104
Cadmium	0.00202		0.00200	101	0.00195	J	0.00200	98	0.00191	J	0.00200	96
Calcium	0.510		0.500	102	0.496	J	0.500	99	0.526		0.500	105
Chromium	0.00361	J	0.00400	90	0.00382	J	0.00400	96	0.00376	J	0.00400	94
Cobalt	0.00400		0.00400	100	0.00381	J	0.00400	95	0.00381	J	0.00400	95
Copper	0.0101		0.0100	101	0.00980	J	0.0100	98	0.00963	J	0.0100	96
Iron	0.0541		0.0500	108	0.0514		0.0500	103	0.0541		0.0500	108
Lead	0.0101		0.0100	101	0.00899	J	0.0100	90	0.00966	J	0.0100	97
Magnesium	0.209		0.200	104	0.204		0.200	102	0.204		0.200	102
Manganese	0.00349		0.00300	116	0.00347		0.00300	116	0.00348		0.00300	116
Nickel	0.0110		0.0100	110	0.0108		0.0100	108	0.0110		0.0100	110
Potassium	0.491	J	0.500	98	0.372	J	0.500	74	0.390	J	0.500	78
Selenium	0.0240	J	0.0250	96	0.0244	J	0.0250	98	0.0253		0.0250	101
Silver	0.00539	J	0.00600	90	0.00485	J	0.00600	81	0.00499	J	0.00600	83
Sodium	1.02		1.00	102	0.955	J	1.00	96	0.940	J	1.00	94
Thallium	0.0195	J	0.0200	97	0.0216		0.0200	108	0.0205		0.0200	103
Vanadium	0.00515		0.00500	103	0.00520		0.00500	104	0.00507		0.00500	101
Zinc	0.0102		0.0100	102	0.0100		0.0100	100	0.00948	J	0.0100	95

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-170104/43 03/14/2014 00:57		CCB 480-170104/50 03/14/2014 01:32					
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND					
Antimony	0.020	ND		ND					
Arsenic	0.015	ND		ND					
Barium	0.0020	ND		ND					
Beryllium	0.0020	ND		ND					
Cadmium	0.0020	ND		ND					
Calcium	0.50	ND		ND					
Chromium	0.0040	ND		ND					
Cobalt	0.0040	ND		ND					
Copper	0.010	ND		ND					
Iron	0.050	ND		ND					
Lead	0.010	ND		ND					
Magnesium	0.20	ND		ND					
Manganese	0.0030	ND		ND					
Nickel	0.010	ND		ND					
Potassium	0.50	ND		ND					
Selenium	0.025	ND		ND					
Silver	0.0060	ND		ND					
Sodium	1.0	ND		ND					
Thallium	0.020	ND		ND					
Vanadium	0.0050	ND		ND					
Zinc	0.010	ND		0.00192	J				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 169758	Date: 03/12/2014 10:08	Prep Batch: 169633	Date: 03/11/2014 16:50				
335.4	MB 480-169633/1-A	Cyanide, Total	0.0127		mg/L	0.010	1
Batch ID: 170587	Date: 03/18/2014 10:32	Prep Batch: 170470	Date: 03/17/2014 16:22				
335.4	MB 480-170470/1-A	Cyanide, Total	0.0136		mg/L	0.010	1