Data Usability Summary Report

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

Mt. Kisco
TestAmerica SDG#480-59386-1
May 27, 2022
Sampling date: 5/6/2014

Prepared by:
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Sterling Environmental Engineering, project located at Mt. Kisco, TestAmerica #480-59386-1 submitted to Vali-Data of WNY, LLC on April 19, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (624), Semi-Volatile Organics (625), PCB (608), Pesticide (608), Inorganics (6010C), Mercury (7470A) and in accordance with wet chemistry methods.

DUSR ID	Sample ID	Laboratory ID
1	PT2-1(L)	480-59386-1

VOLATILE ORGANIC COMPOUNDS

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

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

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

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

DATA COMPLETENESS
All criteria were met.

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

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
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.

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 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 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 >35.0%, with acceptable results.

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

Ccal ID	Target Analyte	%D	Qualifier	Associated Sample
CCVIS 480-180910/6	Dibenz(a,h)anthracene	29.6	UJ/J	MB/LCS/LCSD 480-180801

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

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

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

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

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

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except the RPD of delta-BHC and 4,4'-DDD was outside QC limits between the columns in MB 480-180803/1-A and should be qualified as estimated. These target analytes should be qualified in the associated sample, if detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
MB 480-180803	delta-BHC	.0104	U at RL	1
MB 480-180803	4,4'-DDD	.0104	U at RL	None

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

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

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

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

Ccal ID	Target Analyte/Surrogate	Column ID	%D	Qualifier	Associated Sample
CCV 480-181144/4	DCBP	RTX-CLPI	-26.9	J	MB/LCS/LCSD 480-180803
CCV 480-181144/15	Chlordane peak 1	RTX-CLPII	25.7	UJ/J	MB 480-180803

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 Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
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 a surrogate was outside QC limits in the continuing calibrations.

Ccal ID	Surrogate	Column ID	%D	Qualifier	Associated Sample
CCV 480-181106/38	TCMX	ZB-35	36.1	J	MB/LCS/LCSD 480-180802
CCV 480-181106/28	TCMX	ZB-35	37.3	J	MB/LCS/LCSD 480-180802, 1
CCV 480-181106/36	TCMX	ZB-35	37.5	J	1

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 Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
No MS/MSD 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
CCVL 480-181075/13	As	87	UJ/J	MB 480-180820
CCVL 480-181075/17	Cu	86	UJ/J	MB/LCS 480-180820
CCVL 480-181075/17	Ba	111	JH	LCS 480-180820
CCVL 480-181075/29	Pb	85	UJ/J	LCS 480-180820
CCVL 480-181075/29	Ba	121	JH	LCS 480-180820
CCVL 480-181075/41	Ba	118	JH	1
CCVL 480-181075/51	Ba	118	JH	1

GENERAL CHEMISTRY

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

- Cyanide
- Phenolics
- Oil and Grease
- SGT-HEM

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.

PHENOLICS
All criteria were met.

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

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

Job Narrative
480-59386-1

Comments
No additional comments.

Receipt
The samples were received on 5/7/2014 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 2.4º C, 2.7º C and 2.8º C.

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

GC/MS Semi VOA
Method 625: The continuing calibration verification (CCV) associated with batch 180910 recovered above the upper control limit for Dibenz(a,h)anthracene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-180910/6).

Method 625: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 180801 recovered outside control limits for the following analyte: Benzidine. The recovery for this analyte was within quality control acceptance limits, therefore the data has been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method 608: All primary data is reported from the ZB-5 column.

Method 608: For the method 608, the initial calibration criteria is based upon the total Aroclor value. The %RSD in some of the individual biphenyl peaks may exceed 10%, though the total Aroclor amount is still within method quality control criteria.

Method 608: The continuing calibration verification (CCV) associated with batch 181144 recovered above the upper control limit for Endrin. 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 480-181144/16).

Method 608: 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 608: All primary data is reported from the RTX-CLPII column.

Method 608: The method blank MB 480-180803/1-A contained the analytes 4,4'-DDD and delta-BHC above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

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

General Chemistry
Method 9040C: The following sample(s) was received outside of holding time: PT2-1(L) (480-59386-1).

No other analytical or quality issues were noted.

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

Method 3510C: Insufficient sample volume was available to perform a matrix spike (MS) associated with batch 180802

Method 625: Insufficient sample volume was available to perform a matrix spike (MS) associated with batch 180801.

No other analytical or quality issues were noted.

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

624 Volatile Organic Compounds (GC/MS)

Analysis Method:	624	Analysis Batch:	480-180671	Instrument ID:	HP5973R
	N/A	Prep Batch:	N/A	Lab File ID:	R8827.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/07/2014 1718			Final Weight/Volume:	5 mL
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.39	5.0
1,1,2,2-Tetrachloroethane	ND		0.26	5.0
1,1,2-Trichloroethane	ND		0.48	5.0
1,1-Dichloroethane	ND		0.59	5.0
1,1-Dichloroethene	ND		0.85	5.0
1,2-Dichlorobenzene	ND		0.44	5.0
1,2-Dichloroethane	ND		0.60	5.0
1,2-Dichloroethene, Total	ND		3.2	10
1,2-Dichloropropane	ND		0.61	5.0
1,3-Dichlorobenzene	ND		0.54	5.0
1,4-Dichlorobenzene	ND		0.51	5.0
2-Chloroethyl vinyl ether	ND		1.9	25
Acrolein	ND		17	100
Acrylonitrile	ND		1.9	50
Benzene	ND		0.60	5.0
Bromoform	ND		0.47	5.0
Bromomethane	ND		1.2	5.0
Carbon tetrachloride	ND		0.51	5.0
Chlorobenzene	ND		0.48	5.0
Chlorodibromomethane	ND		0.41	5.0
Chloroethane	ND		0.87	5.0
Chloroform	ND		0.54	5.0
Chloromethane	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.33	5.0
Dichlorobromomethane	ND		0.54	5.0
Ethylbenzene	ND		0.46	5.0
Methylene Chloride	ND		0.81	5.0
Tetrachloroethene	ND		0.34	5.0
Toluene	ND		0.45	5.0
trans-1,2-Dichloroethene	ND		0.59	5.0
trans-1,3-Dichloropropene	ND		0.44	5.0
Trichloroethene	ND		0.60	5.0
Vinyl chloride	ND		0.75	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		72 - 130
4-Bromofluorobenzene (Surr)	104		69 - 121
Toluene-d8 (Surr)	92		70 - 123

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

TTO Organics, Total Toxic

Analysis Method:	TTO	Analysis Batch:	480-181564	Instrument ID:	NOEQUIP
	N/A	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Analysis Date:	05/12/2014 1759			Final Weight/Volume:	
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Total Toxic Organics	ND		5.0	10

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	480-181172	Instrument ID:	HP5973U
Prep Method:	625	Prep Batch:	480-180801	Lab File ID:	U5674.D
Dilution:	1.0			Initial Weight/Volume:	1053.5 mL
Analysis Date:	05/10/2014 0006			Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.47	9.5
1,2-Dichlorobenzene	ND		0.14	9.5
1,2-Diphenylhydrazine	ND		0.060	9.5
1,3-Dichlorobenzene	ND		0.065	9.5
1,4-Dichlorobenzene	ND		0.085	9.5
2,4,6-Trichlorophenol	ND		0.22	4.7
2,4-Dichlorophenol	ND		0.28	4.7
2,4-Dimethylphenol	ND		0.13	4.7
2,4-Dinitrophenol	ND		0.80	9.5
2,4-Dinitrotoluene	ND		0.25	4.7
2,6-Dinitrotoluene	ND		0.68	4.7
2-Chloronaphthalene	ND		0.064	4.7
2-Chlorophenol	ND		0.15	4.7
2-Nitrophenol	ND		0.14	4.7
3,3'-Dichlorobenzidine	ND		0.78	4.7
4,6-Dinitro-2-methylphenol	ND		0.72	9.5
4-Bromophenyl phenyl ether	ND		0.11	4.7
4-Chloro-3-methylphenol	ND		0.53	4.7
4-Chlorophenyl phenyl ether	ND		0.20	4.7
4-Nitrophenol	ND		1.3	9.5
Acenaphthene	ND		0.057	4.7
Acenaphthylene	ND		0.032	4.7
Anthracene	ND		0.050	4.7
Benzidine	ND	*	2.4	76
Benzo[a]anthracene	ND		0.041	4.7
Benzo[a]pyrene	ND		0.055	4.7
Benzo[b]fluoranthene	ND		0.058	4.7
Benzo[g,h,i]perylene	ND		0.095	4.7
Benzo[k]fluoranthene	ND		0.040	4.7
bis (2-chloroisopropyl) ether	ND		0.081	4.7
Bis(2-chloroethoxy)methane	ND		0.081	4.7
Bis(2-chloroethyl)ether	ND		1.0	4.7
Bis(2-ethylhexyl) phthalate	ND		0.82	9.5
Butyl benzyl phthalate	ND		1.2	4.7
Chrysene	ND		0.034	4.7
Dibenz(a,h)anthracene	ND		0.053	4.7
Diethyl phthalate	ND		0.16	4.7
Dimethyl phthalate	ND		0.16	4.7
Di-n-butyl phthalate	ND		0.89	4.7
Di-n-octyl phthalate	ND		4.2	4.7
Fluoranthene	ND		0.10	4.7
Fluorene	ND		0.041	4.7
Hexachlorobenzene	ND		0.26	4.7
Hexachlorobutadiene	ND		0.59	4.7
Hexachlorocyclopentadiene	ND		0.43	4.7
Hexachloroethane	ND		0.46	4.7

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	480-181172	Instrument ID:	HP5973U
Prep Method:	625	Prep Batch:	480-180801	Lab File ID:	U5674.D
Dilution:	1.0			Initial Weight/Volume:	1053.5 mL
Analysis Date:	05/10/2014 0006			Final Weight/Volume:	1 mL
Prep Date:	05/08/2014 0653			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Indeno[1,2,3-cd]pyrene	ND		0.18	4.7
Isophorone	ND		0.15	4.7
Naphthalene	ND		0.076	4.7
Nitrobenzene	ND		0.11	4.7
N-Nitrosodimethylamine	ND		0.91	9.5
N-Nitrosodi-n-propylamine	ND		0.22	4.7
N-Nitrosodiphenylamine	ND		0.38	4.7
Pentachlorophenol	ND		0.39	9.5
Phenanthrene	ND		0.067	4.7
Phenol	ND		0.11	4.7
Pyrene	ND		0.039	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	96		52 - 151
2-Fluorobiphenyl	87		44 - 120
2-Fluorophenol	45		17 - 120
Nitrobenzene-d5	83		42 - 120
Phenol-d5	32		10 - 120
p-Terphenyl-d14	107		22 - 125

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

608 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	608	Analysis Batch:	480-181106	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-180802	Initial Weight/Volume:	1054.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/09/2014 1342			Injection Volume:	1 uL
Prep Date:	05/08/2014 0702			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		10 - 158
Tetrachloro-m-xylene	83		25 - 151

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

608 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	608	Analysis Batch:	480-181106	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-180802	Initial Weight/Volume:	1054.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/09/2014 1342			Injection Volume:	1 uL
Prep Date:	05/08/2014 0702			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	53		10 - 158
Tetrachloro-m-xylene	101	J	25 - 151

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

608 Organochlorine Pesticides in Water

Analysis Method:	608	Analysis Batch:	480-181144	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	1053 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1536			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0087	0.047
4,4'-DDE	ND		0.011	0.047
4,4'-DDT	ND		0.010	0.047
Aldrin	ND		0.0063	0.047
alpha-BHC	0.012 J	J	0.0063	0.047
beta-BHC	ND		0.024	0.047
Chlordane (technical)	ND		0.28	0.47
delta-BHC	~~0.0098~~ 0.047	~~J~~ B U	0.0095	0.047
Dieldrin	ND		0.0093	0.047
Endosulfan I	ND		0.010	0.047
Endosulfan II	ND		0.011	0.047
Endosulfan sulfate	ND		0.015	0.047
Endrin	ND		0.013	0.047
Endrin aldehyde	ND		0.015	0.047
gamma-BHC (Lindane)	0.012	J	0.0057	0.047
Heptachlor	ND		0.0081	0.047
Heptachlor epoxide	ND		0.0050	0.047
Toxaphene	ND		0.11	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	60		23 - 120
Tetrachloro-m-xylene	78		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

608 Organochlorine Pesticides in Water

Analysis Method:	608	Analysis Batch:	480-181144	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-180803	Initial Weight/Volume:	1053 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/09/2014 1536			Injection Volume:	1 uL
Prep Date:	05/08/2014 0712			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		23 - 120
Tetrachloro-m-xylene	61		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-59386-1

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1
Client Matrix: Water

Date Sampled: 05/06/2014 1445
Date Received: 05/07/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-181075	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-180820	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/08/2014 1724			Final Weight/Volume:	50 mL
Prep Date:	05/08/2014 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	ND		0.0056	0.015
Barium	0.025 JH		0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	ND		0.0010	0.0040
Copper	0.0019	J	0.0016	0.010
Lead	ND		0.0030	0.010
Nickel	ND		0.0013	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060
Zinc	0.034		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-181531	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-181210	Lab File ID:	H05124W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/12/2014 1404			Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0835				

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

General Chemistry

Client Sample ID: **PT2-1(L)**

Lab Sample ID: 480-59386-1 Date Sampled: 05/06/2014 1445
Client Matrix: Water Date Received: 05/07/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Oil & Grease	2.7 J	J	mg/L	1.4	5.0	1.0	1664A
Analysis Batch: 480-182052	Analysis Date: 05/14/2014 1404						
Prep Batch: 480-182034	Prep Date: 05/14/2014 1309						
SGT-HEM	3.0 J	J	mg/L	1.9	5.0	1.0	1664A
Analysis Batch: 480-182052	Analysis Date: 05/14/2014 1404						
Prep Batch: 480-182034	Prep Date: 05/14/2014 1309						
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012B
Analysis Batch: 480-181344	Analysis Date: 05/10/2014 1237						
Prep Batch: 480-181299	Prep Date: 05/09/2014 2122						
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	9066
Analysis Batch: 480-181733	Analysis Date: 05/13/2014 0957						
Prep Batch: 480-181010	Prep Date: 05/08/2014 1332						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.34	H	SU	0.100	0.100	1.0	9040C
Analysis Batch: 480-180781	Analysis Date: 05/08/2014 0204						

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCVIS 480-180910/6 Calibration Date: 05/08/2014 11:57

Instrument ID: HP5973U Calib Start Date: 05/06/2014 12:23

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/06/2014 13:56

Lab File ID: U5625.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	0.9935	1.021		82200	80000	2.7	20.0
2,4-Dinitrophenol	Lin1		0.1586		149000	160000	-6.6	20.0
4-Nitrophenol	Lin1		0.1395		172000	160000	7.2	20.0
Dibenzofuran	Ave	1.351	1.370		81100	80000	1.4	20.0
2,4-Dinitrotoluene	Ave	0.3394	0.3666		86400	80000	8.0	20.0
Diethyl phthalate	Ave	0.9312	1.002		86100	80000	7.6	20.0
Fluorene	Ave	1.081	1.098		81300	80000	1.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.5539	0.5793		83700	80000	4.6	20.0
4-Nitroaniline	Ave	0.2646	0.2888		87300	80000	9.1	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1344		166000	160000	3.6	20.0
N-Nitrosodiphenylamine	Ave	0.5003	0.5030		80400	80000	0.5	20.0
1,2-Diphenylhydrazine	Ave	0.9144	0.8894		77800	80000	-2.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2226	0.2304		82800	80000	3.5	20.0
Hexachlorobenzene	Ave	0.2520	0.2682		85100	80000	6.4	20.0
Pentachlorophenol	Lin1		0.1564		182000	160000	13.7	20.0
n-Octadecane	Ave	0.2241	0.2089		149000	160000	-6.8	20.0
Phenanthrene	Ave	0.9556	0.9385		78600	80000	-1.8	20.0
Anthracene	Ave	0.9478	0.9535		80500	80000	0.6	20.0
Carbazole	Ave	0.8662	0.8749		80800	80000	1.0	20.0
Di-n-butyl phthalate	Ave	0.8207	0.8828		86000	80000	7.6	20.0
Fluoranthene	Ave	0.9823	1.022		83200	80000	4.0	20.0
Benzidine	Lin1		0.2301		135000	160000	-15.6	20.0
Pyrene	Ave	1.049	1.062		81000	80000	1.2	20.0
Butyl benzyl phthalate	Ave	0.3259	0.3787		93000	80000	16.2	20.0
3,3'-Dichlorobenzidine	Ave	0.2776	0.3124		180000	160000	12.5	20.0
Benzo[a]anthracene	Ave	0.8580	0.9109		84900	80000	6.2	20.0
Chrysene	Ave	0.8916	0.8957		80400	80000	0.5	20.0
Bis(2-ethylhexyl) phthalate	Lin1		0.4906		88700	80000	10.9	20.0
Di-n-octyl phthalate	Lin1		0.7062		92500	80000	15.7	20.0
Benzo[b]fluoranthene	Ave	0.9666	1.080		89400	80000	11.7	20.0
Benzo[k]fluoranthene	Ave	1.191	1.238		83100	80000	3.9	20.0
Benzo[a]pyrene	Ave	0.8423	0.997		94700	80000	18.4	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.7216		87400	80000	9.3	20.0
Dibenz(a,h)anthracene	Ave	0.5898	0.7647		104000	80000	29.6*	20.0
Benzo[g,h,i]perylene	Ave	0.5975	0.7136		95500	80000	19.4	20.0
2-Fluorophenol	Ave	1.214	1.183		78000	80000	-2.5	20.0
Phenol-d5	Ave	1.364	1.353		79300	80000	-0.9	20.0
Nitrobenzene-d5	Ave	0.3307	0.3232		78200	80000	-2.3	20.0
2-Fluorobiphenyl	Ave	1.272	1.274		80100	80000	0.1	20.0
2,4,6-Tribromophenol	Ave	0.1228	0.1464		95400	80000	19.3	20.0
p-Terphenyl-d14	Lin1		0.8012		86700	80000	8.4	20.0

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: PT2-1(L) Lab Sample ID: 480-59386-1

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

Date Analyzed (1): 05/09/2014 15:36 Date Analyzed (2): 05/09/2014 15:36

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

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.47	2.44	2.50	0.016		30.0
	2		2.92	2.88	2.94	0.012		
gamma-BHC (Lindane)	1		2.69	2.66	2.72	0.015		21.5
	2		3.23	3.19	3.25	0.012		
delta-BHC	1		2.87	2.86	2.92	0.017		54.7
	2		3.55	3.52	3.58	0.0098		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-180803/1-A

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

Date Analyzed (1): 05/09/2014 10:22 Date Analyzed (2): 05/09/2014 10:22

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

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
delta-BHC	1		2.88	2.86	2.92	0.0176		51.8
	2		3.55	3.52	3.58	0.0104		
4,4'-DDD	1		4.78	4.76	4.82	0.0167		46.6
	2		5.63	5.60	5.66	0.0104		

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/4 Calibration Date: 05/09/2014 09:54

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

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

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

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		114780580		0.0442	0.0500	-11.6	15.0
gamma-BHC (Lindane)	Lin1		102900980		0.0444	0.0500	-11.2	15.0
beta-BHC	Lin1		39656440		0.0453	0.0500	-9.4	15.0
delta-BHC	Lin1		104406060		0.0445	0.0500	-11.1	15.0
Heptachlor	Lin1		87439860		0.0461	0.0500	-7.9	15.0
Aldrin	Lin1		91346880		0.0513	0.0500	2.6	15.0
Heptachlor epoxide	Lin1		86223300		0.0495	0.0500	-0.9	15.0
gamma-Chlordane	Lin1		96395120		0.0465	0.0500	-7.1	15.0
alpha-Chlordane	Lin1		91773640		0.0457	0.0500	-8.6	15.0
4,4'-DDE	Lin1		86196200		0.0443	0.0500	-11.3	15.0
Endosulfan I	Lin1		77977540		0.0460	0.0500	-8.0	15.0
Dieldrin	Lin1		81507000		0.0457	0.0500	-8.6	15.0
Endrin	Lin1		77911820		0.0545	0.0500	9.0	15.0
4,4'-DDD	Lin1		70922140		0.0505	0.0500	0.9	15.0
Endosulfan II	Lin1		75595780		0.0537	0.0500	7.3	15.0
4,4'-DDT	Lin1		85955760		0.0550	0.0500	10.1	15.0
Endrin aldehyde	Lin1		60391340		0.0444	0.0500	-11.2	15.0
Methoxychlor	Lin1		43662280		0.0515	0.0500	3.0	15.0
Endosulfan sulfate	Lin1		76784660		0.0435	0.0500	-12.9	15.0
Endrin ketone	Lin1		93256260		0.0451	0.0500	-9.8	15.0
Tetrachloro-m-xylene	Lin1		69335520		0.0455	0.0500	-9.0	15.0
DCB Decachlorobiphenyl	Lin1		61084820		0.0365	0.0500	-26.9*	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181144/15 Calibration Date: 05/09/2014 13:17

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

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

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

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Lin1		4613280		0.628	0.500	25.7*	15.0
Chlordane (technical) Peak 2	Lin1		3148116		0.472	0.500	-5.6	15.0
Chlordane (technical) Peak 3	Lin1		15275636		0.512	0.500	2.5	15.0
Chlordane (technical) Peak 4	Lin1		12150128		0.560	0.500	12.1	15.0
Chlordane (technical) Peak 5	Lin1		4143680		0.565	0.500	12.9	15.0

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-59386-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-180803/1-A

Matrix: Water | Lab File ID: 5_10111.D

Analysis Method: 608 | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/08/2014 07:12

Sample wt/vol: 1000(mL) | Date Analyzed: 05/09/2014 10:22

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 181144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.0104	J	0.050	0.0092
72-55-9	4,4'-DDE	ND		0.050	0.012
50-29-3	4,4'-DDT	ND		0.050	0.011
309-00-2	Aldrin	ND		0.050	0.0066
319-84-6	alpha-BHC	ND		0.050	0.0066
319-85-7	beta-BHC	ND		0.050	0.025
57-74-9	Chlordane (technical)	ND		0.50	0.29
319-86-8	delta-BHC	0.0104	J	0.050	0.010
60-57-1	Dieldrin	ND		0.050	0.0098
959-98-8	Endosulfan I	ND		0.050	0.011
33213-65-9	Endosulfan II	ND		0.050	0.012
1031-07-8	Endosulfan sulfate	ND		0.050	0.016
72-20-8	Endrin	ND		0.050	0.014
7421-93-4	Endrin aldehyde	ND		0.050	0.016
58-89-9	gamma-BHC (Lindane)	ND		0.050	0.0060
76-44-8	Heptachlor	ND		0.050	0.0085
1024-57-3	Heptachlor epoxide	ND		0.050	0.0053
8001-35-2	Toxaphene	ND		0.50	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	63		23-120
877-09-8	Tetrachloro-m-xylene	82		36-120

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/38 Calibration Date: 05/09/2014 08:42

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_085.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	1128324	1260900		0.559	0.500	11.7	15.0
PCB-1016 Peak 2	Ave	2324433	2740554		0.590	0.500	17.9*	15.0
PCB-1016 Peak 3	Ave	867099	1004962		0.579	0.500	15.9*	15.0
PCB-1016 Peak 4	Ave	531238	625100		0.588	0.500	17.7*	15.0
PCB-1260 Peak 1	Ave	1161077	1242218		0.535	0.500	7.0	15.0
PCB-1260 Peak 2	Ave	850369	974096		0.573	0.500	14.5	15.0
PCB-1260 Peak 3	Ave	2729811	3012790		0.552	0.500	10.4	15.0
PCB-1260 Peak 4	Ave	1643188	1748346		0.532	0.500	6.4	15.0
Tetrachloro-m-xylene	Ave	27290243	37134500		0.0408	0.0300	36.1*	15.0
DCB Decachlorobiphenyl	Ave	21795600	25266933		0.0348	0.0300	15.9*	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/28 Calibration Date: 05/09/2014 11:51

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_096.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	1128324	1196086		0.530	0.500	6.0	15.0
PCB-1016 Peak 2	Ave	2324433	2595158		0.558	0.500	11.6	15.0
PCB-1016 Peak 3	Ave	867099	952142		0.549	0.500	9.8	15.0
PCB-1016 Peak 4	Ave	531238	617866		0.582	0.500	16.3*	15.0
PCB-1260 Peak 1	Ave	1161077	1215260		0.523	0.500	4.7	15.0
PCB-1260 Peak 2	Ave	850369	947030		0.557	0.500	11.4	15.0
PCB-1260 Peak 3	Ave	2729811	2962086		0.543	0.500	8.5	15.0
PCB-1260 Peak 4	Ave	1643188	1725192		0.525	0.500	5.0	15.0
Tetrachloro-m-xylene	Ave	27290243	37480767		0.0412	0.0300	37.3*	15.0
DCB Decachlorobiphenyl	Ave	21795600	26273767		0.0362	0.0300	20.5*	15.0

FORM VII
PESTICIDES/PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

Lab Sample ID: CCV 480-181106/36 Calibration Date: 05/09/2014 13:58

Instrument ID: HP6890-7 Calib Start Date: 12/03/2013 06:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 12/03/2013 08:18

Lab File ID: 7_326_104.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	1128324	1224788		0.543	0.500	8.5	15.0
PCB-1016 Peak 2	Ave	2324433	2669148		0.574	0.500	14.8	15.0
PCB-1016 Peak 3	Ave	867099	973748		0.561	0.500	12.3	15.0
PCB-1016 Peak 4	Ave	531238	595538		0.561	0.500	12.1	15.0
PCB-1260 Peak 1	Ave	1161077	1272030		0.548	0.500	9.6	15.0
PCB-1260 Peak 2	Ave	850369	1000994		0.589	0.500	17.7*	15.0
PCB-1260 Peak 3	Ave	2729811	3084428		0.565	0.500	13.0	15.0
PCB-1260 Peak 4	Ave	1643188	1803510		0.549	0.500	9.8	15.0
Tetrachloro-m-xylene	Ave	27290243	37521867		0.0412	0.0300	37.5*	15.0
DCB Decachlorobiphenyl	Ave	21795600	27020367		0.0372	0.0300	24.0*	15.0

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

ICV Source: MEI_10_CCVL_00029 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00023

Analyte	ICVL 480-181075/7 05/08/2014 15:30				CCVL 480-181075/13 05/08/2014 15:47							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0140	J	0.0150	93	0.0131	J	0.0150	87				
Barium	0.00219		0.00200	110	0.00229		0.00200	115				
Cadmium	0.00212		0.00200	106	0.00200		0.00200	100				
Chromium	0.00436		0.00400	109	0.00358	J	0.00400	90				
Copper	0.00972	J	0.0100	97	0.00936	J	0.0100	94				
Lead	0.0106		0.0100	106	0.00928	J	0.0100	93				
Nickel	0.00965	J	0.0100	97	0.00960	J	0.0100	96				
Selenium	0.0252		0.0250	101	0.0259		0.0250	104				
Silver	0.00583	J	0.00600	97	0.00696		0.00600	116				
Zinc	0.0102		0.0100	102	0.00951	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.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

ICV Source: MEI_10_CCVL_00029 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00029

Analyte	ICVL 480-181075/7 05/08/2014 15:30				CCVL 480-181075/17 05/08/2014 15:59				CCVL 480-181075/29 05/08/2014 16:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0140	J	0.0150	93	0.0139	J	0.0150	93	0.0138	J	0.0150	92
Barium	0.00219		0.00200	110	0.00221		0.00200	111	0.00242		0.00200	121
Cadmium	0.00212		0.00200	106	0.00194	J	0.00200	97	0.00195	J	0.00200	98
Chromium	0.00436		0.00400	109	0.00370	J	0.00400	93	0.00371	J	0.00400	93
Copper	0.00972	J	0.0100	97	0.00864	J	0.0100	86	0.00913	J	0.0100	91
Lead	0.0106		0.0100	106	0.0103		0.0100	103	0.00850	J	0.0100	85
Nickel	0.00965	J	0.0100	97	0.00982	J	0.0100	98	0.00966	J	0.0100	97
Selenium	0.0252		0.0250	101	0.0243	J	0.0250	97	0.0241	J	0.0250	96
Silver	0.00583	J	0.00600	97	0.00562	J	0.00600	94	0.00588	J	0.00600	98
Zinc	0.0102		0.0100	102	0.0102		0.0100	102	0.00936	J	0.0100	94

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-59386-1

SDG No.:

ICV Source: MEI_10_CCVL_00029 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00029

Analyte	CCVL 480-181075/41 05/08/2014 17:05				CCVL 480-181075/51 05/08/2014 17:38							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0140	J	0.0150	93	0.0147	J	0.0150	98				
Barium	0.00236		0.00200	118	0.00235		0.00200	118				
Cadmium	0.00193	J	0.00200	97	0.00193	J	0.00200	97				
Chromium	0.00373	J	0.00400	93	0.00417		0.00400	104				
Copper	0.00927	J	0.0100	93	0.00951	J	0.0100	95				
Lead	0.00938	J	0.0100	94	0.0101		0.0100	101				
Nickel	0.00958	J	0.0100	96	0.00999	J	0.0100	100				
Selenium	0.0247	J	0.0250	99	0.0245	J	0.0250	98				
Silver	0.00593	J	0.00600	99	0.00594	J	0.00600	99				
Zinc	0.0101		0.0100	101	0.00931	J	0.0100	93				

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