APPENDIX J

OCTOBER 6, 2014 ANALYTICAL RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
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Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-68691-1
Client Project/Site: Orange County Landfill
Sampling Event: Leachate Baseline

For:
Sterling Environmental Engineering PC
24 Wade Road
Latham, New York 12110

Attn: Mr. Mark Williams

Authorized for release by:
10/17/2014 11:26:04 AM
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LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
b	Result Detected in the Unseeded Control blank (USB).
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-68691-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-68691-1

Comments
No additional comments.

Receipt
The samples were received on 10/7/2014 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 2.8° C, 3.9° C and 4.2° C.

GC/MS VOA
Method(s) 624: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MH-5 (480-68691-1). Elevated reporting limits (RLs) are provided.

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

Metals
Method(s) 6010C: The method blank for batch 480-206499 contained total iron 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 MH-5 (480-68691-1) was not performed.

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

General Chemistry
Method(s) SM 2120B: Associated samples were filtered prior to analysis. Results are reported as true color. MH-5 (480-68691-1)

Method(s) 350.1: The method blank for batch 206737 contained ammonia above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. MH-5 (480-68691-1)

Method(s) SM 2540C: Due to the matrix, the initial volume(s) used for the following sample(s) deviated from the standard procedure: MH-5 (480-68691-1). The reporting limits (RLs) have been adjusted proportionately.

Method(s) SM 5210B: The USB dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results in batch 206654 are reported. (USB 480-206654/1)

Method(s) 310.2: The method blank for batch 207719 contained Alkalintiy above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.MH-5 (480-68691-1)

Method(s) 410.4: The method blank for batch 208155 contained chemical oxygen demand above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.MH-5 (480-68691-1)

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

Detection Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Client Sample ID: MH-5

Lab Sample ID: 480-68691-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	20	J	50	8.7	ug/L	10		624	Total/NA
Aluminum	0.16	J	0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.031		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	1.9		0.0020	0.00070	mg/L	1		6010C	Total/NA
Boron	1.0		0.020	0.0040	mg/L	1		6010C	Total/NA
Calcium	180		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0054		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0038	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	47	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	53		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	2.2		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.028		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	67		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	370		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.014	B	0.010	0.0015	mg/L	1		6010C	Total/NA
Chloride	520		2.5	2.0	mg/L	5		300.0	Total/NA
Sulfate	4.6		2.0	0.13	mg/L	1		300.0	Total/NA
Alkalinity, Total	1300	B	500	200	mg/L	50		310.2	Total/NA
Ammonia	130	B	2.0	0.90	mg/L	100		350.1	Total/NA
Total Kjeldahl Nitrogen	140		10	7.5	mg/L	50		351.2	Total/NA
Nitrate as N	0.24		0.050	0.020	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	250	B	40	20	mg/L	4		410.4	Total/NA
Cyanide, Total	0.0083	J	0.010	0.0050	mg/L	1		9012B	Total/NA
Total Organic Carbon	57		1.0	0.43	mg/L	1		9060A	Total/NA
Phenolics, Total Recoverable	0.0075	J	0.010	0.0050	mg/L	1		9066	Total/NA
Hardness as calcium carbonate	760		20	5.3	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	1000		20	8.0	mg/L	1		SM 2540C	Total/NA
Biochemical Oxygen Demand	16	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
Turbidity	440		1.0	1.0	NTU	1		180.1	Total/NA
Color	40		5.0	5.0	Color Units	1		SM 2120B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Client Sample ID: MH-5

Date Collected: 10/06/14 15:30
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68691-1

Matrix: Leachate

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	3.9	ug/L			10/09/14 03:54	10
1,1,2,2-Tetrachloroethane	ND		50	2.6	ug/L			10/09/14 03:54	10
1,1,2-Trichloroethane	ND		50	4.8	ug/L			10/09/14 03:54	10
1,1-Dichloroethane	ND		50	5.9	ug/L			10/09/14 03:54	10
1,1-Dichloroethene	ND		50	8.5	ug/L			10/09/14 03:54	10
1,2-Dichlorobenzene	ND		50	4.4	ug/L			10/09/14 03:54	10
1,2-Dichloroethane	ND		50	6.0	ug/L			10/09/14 03:54	10
1,2-Dichloropropane	ND		50	6.1	ug/L			10/09/14 03:54	10
1,3-Dichlorobenzene	ND		50	5.4	ug/L			10/09/14 03:54	10
1,4-Dichlorobenzene	ND		50	5.1	ug/L			10/09/14 03:54	10
2-Chloroethyl vinyl ether	ND		250	19	ug/L			10/09/14 03:54	10
Benzene	ND		50	6.0	ug/L			10/09/14 03:54	10
Bromodichloromethane	ND		50	5.4	ug/L			10/09/14 03:54	10
Bromoform	ND		50	4.7	ug/L			10/09/14 03:54	10
Bromomethane	ND		50	12	ug/L			10/09/14 03:54	10
Carbon tetrachloride	ND		50	5.1	ug/L			10/09/14 03:54	10
Chlorobenzene	ND		50	4.8	ug/L			10/09/14 03:54	10
Chloroethane	**20**	**J**	50	8.7	ug/L			10/09/14 03:54	10
Chloroform	ND		50	5.4	ug/L			10/09/14 03:54	10
Chloromethane	ND		50	6.4	ug/L			10/09/14 03:54	10
cis-1,2-Dichloroethene	ND		50	5.7	ug/L			10/09/14 03:54	10
cis-1,3-Dichloropropene	ND		50	3.3	ug/L			10/09/14 03:54	10
Dibromochloromethane	ND		50	4.1	ug/L			10/09/14 03:54	10
Dichlorodifluoromethane	ND		50	2.8	ug/L			10/09/14 03:54	10
Ethylbenzene	ND		50	4.6	ug/L			10/09/14 03:54	10
Methylene Chloride	ND		50	8.1	ug/L			10/09/14 03:54	10
m-Xylene & p-Xylene	ND		100	11	ug/L			10/09/14 03:54	10
o-Xylene	ND		50	4.3	ug/L			10/09/14 03:54	10
Tetrachloroethene	ND		50	3.4	ug/L			10/09/14 03:54	10
Toluene	ND		50	4.5	ug/L			10/09/14 03:54	10
trans-1,2-Dichloroethene	ND		50	5.9	ug/L			10/09/14 03:54	10
trans-1,3-Dichloropropene	ND		50	4.4	ug/L			10/09/14 03:54	10
Trichloroethene	ND		50	6.0	ug/L			10/09/14 03:54	10
Trichlorofluoromethane	ND		50	4.5	ug/L			10/09/14 03:54	10
Vinyl chloride	ND		50	7.5	ug/L			10/09/14 03:54	10
Xylenes, Total	ND		100	11	ug/L			10/09/14 03:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 130*		*10/09/14 03:54*	*10*
4-Bromofluorobenzene (Surr)	*98*		*69 - 121*		*10/09/14 03:54*	*10*
Toluene-d8 (Surr)	*98*		*70 - 123*		*10/09/14 03:54*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.16**	**J**	0.20	0.060	mg/L		10/08/14 08:55	10/08/14 19:44	1
Antimony	ND		0.020	0.0068	mg/L		10/08/14 08:55	10/08/14 19:44	1
Arsenic	**0.031**		0.015	0.0056	mg/L		10/08/14 08:55	10/08/14 19:44	1
Barium	**1.9**		0.0020	0.00070	mg/L		10/08/14 08:55	10/08/14 19:44	1
Beryllium	ND		0.0020	0.00030	mg/L		10/08/14 08:55	10/08/14 19:44	1
Boron	**1.0**		0.020	0.0040	mg/L		10/08/14 08:55	10/08/14 19:44	1

Client Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Client Sample ID: MH-5

Date Collected: 10/06/14 15:30
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68691-1

Matrix: Leachate

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/08/14 08:55	10/08/14 19:44	1
Calcium	**180**		0.50	0.10	mg/L		10/08/14 08:55	10/08/14 19:44	1
Chromium	**0.0054**		0.0040	0.0010	mg/L		10/08/14 08:55	10/08/14 19:44	1
Copper	**0.0038**	**J**	0.010	0.0016	mg/L		10/08/14 08:55	10/08/14 19:44	1
Iron	**47**	**B**	0.050	0.019	mg/L		10/08/14 08:55	10/08/14 19:44	1
Lead	ND		0.010	0.0030	mg/L		10/08/14 08:55	10/08/14 19:44	1
Magnesium	**53**		0.20	0.043	mg/L		10/08/14 08:55	10/08/14 19:44	1
Manganese	**2.2**		0.0030	0.00040	mg/L		10/08/14 08:55	10/08/14 19:44	1
Nickel	**0.028**		0.010	0.0013	mg/L		10/08/14 08:55	10/08/14 19:44	1
Potassium	**67**		0.50	0.10	mg/L		10/08/14 08:55	10/08/14 19:44	1
Selenium	ND		0.025	0.0087	mg/L		10/08/14 08:55	10/08/14 19:44	1
Silver	ND		0.0060	0.0017	mg/L		10/08/14 08:55	10/08/14 19:44	1
Sodium	**370**		1.0	0.32	mg/L		10/08/14 08:55	10/08/14 19:44	1
Thallium	ND		0.020	0.010	mg/L		10/08/14 08:55	10/08/14 19:44	1
Zinc	**0.014**	**B**	0.010	0.0015	mg/L		10/08/14 08:55	10/08/14 19:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/08/14 10:50	10/09/14 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**520**		2.5	2.0	mg/L			10/13/14 16:15	5
Sulfate	**4.6**		2.0	0.13	mg/L			10/10/14 03:07	1
Alkalinity, Total	**1300**	**B**	500	200	mg/L			10/14/14 15:32	50
Ammonia	**130**	**B**	2.0	0.90	mg/L			10/08/14 23:01	100
Total Kjeldahl Nitrogen	**140**		10	7.5	mg/L		10/09/14 09:14	10/10/14 04:23	50
Nitrate as N	**0.24**		0.050	0.020	mg/L			10/07/14 21:58	1
Chemical Oxygen Demand	**250**	**B**	40	20	mg/L			10/16/14 09:12	4
Chromium, hexavalent	ND		0.010	0.0050	mg/L			10/07/14 11:08	1
Cyanide, Total	**0.0083**	**J**	0.010	0.0050	mg/L		10/13/14 15:25	10/13/14 22:52	1
Total Organic Carbon	**57**		1.0	0.43	mg/L			10/12/14 08:05	1
Phenolics, Total Recoverable	**0.0075**	**J**	0.010	0.0050	mg/L		10/09/14 09:30	10/13/14 20:36	1
Hardness as calcium carbonate	**760**		20	5.3	mg/L			10/09/14 11:55	1
Total Dissolved Solids	**1000**		20	8.0	mg/L			10/09/14 23:42	1
Biochemical Oxygen Demand	**16**	**b**	2.0	2.0	mg/L			10/08/14 14:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	**440**		1.0	1.0	NTU			10/07/14 23:00	1
Color	**40**		5.0	5.0	Color Units			10/07/14 23:20	1

Surrogate Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Leachate **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (72-130)	BFB (69-121)	TOL (70-123)
480-68691-1	MH-5	102	98	98

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (72-130)	BFB (69-121)	TOL (70-123)
LCS 480-206699/6	Lab Control Sample	100	101	101
MB 480-206699/8	Method Blank	104	101	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-206699/8
Matrix: Water
Analysis Batch: 206699

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/08/14 23:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/08/14 23:03	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/08/14 23:03	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/08/14 23:03	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/08/14 23:03	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/08/14 23:03	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/08/14 23:03	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/08/14 23:03	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/08/14 23:03	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/08/14 23:03	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/08/14 23:03	1
Benzene	ND		5.0	0.60	ug/L			10/08/14 23:03	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/08/14 23:03	1
Bromoform	ND		5.0	0.47	ug/L			10/08/14 23:03	1
Bromomethane	ND		5.0	1.2	ug/L			10/08/14 23:03	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/08/14 23:03	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/08/14 23:03	1
Chloroethane	ND		5.0	0.87	ug/L			10/08/14 23:03	1
Chloroform	ND		5.0	0.54	ug/L			10/08/14 23:03	1
Chloromethane	ND		5.0	0.64	ug/L			10/08/14 23:03	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			10/08/14 23:03	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/08/14 23:03	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/08/14 23:03	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			10/08/14 23:03	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/08/14 23:03	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/08/14 23:03	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			10/08/14 23:03	1
o-Xylene	ND		5.0	0.43	ug/L			10/08/14 23:03	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/08/14 23:03	1
Toluene	ND		5.0	0.45	ug/L			10/08/14 23:03	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			10/08/14 23:03	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/08/14 23:03	1
Trichloroethene	ND		5.0	0.60	ug/L			10/08/14 23:03	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/08/14 23:03	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/08/14 23:03	1
Xylenes, Total	ND		10	1.1	ug/L			10/08/14 23:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*		*10/08/14 23:03*	*1*
4-Bromofluorobenzene (Surr)	*101*		*69 - 121*		*10/08/14 23:03*	*1*
Toluene-d8 (Surr)	*99*		*70 - 123*		*10/08/14 23:03*	*1*

Lab Sample ID: LCS 480-206699/6
Matrix: Water
Analysis Batch: 206699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.6		ug/L		93	52 - 162

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-206699/6
Matrix: Water
Analysis Batch: 206699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	20.0	18.8		ug/L		94	46 - 157
1,1,2-Trichloroethane	20.0	18.6		ug/L		93	52 - 150
1,1-Dichloroethane	20.0	19.6		ug/L		98	59 - 155
1,1-Dichloroethene	20.0	18.6		ug/L		93	1 - 234
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	18 - 190
1,2-Dichloroethane	20.0	19.1		ug/L		96	49 - 155
1,2-Dichloropropane	20.0	18.4		ug/L		92	1 - 210
1,3-Dichlorobenzene	20.0	19.3		ug/L		97	59 - 156
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	18 - 190
2-Chloroethyl vinyl ether	20.0	17.0	J	ug/L		85	1 - 305
Benzene	20.0	19.6		ug/L		98	37 - 151
Bromodichloromethane	20.0	18.1		ug/L		91	35 - 155
Bromoform	20.0	17.4		ug/L		87	45 - 169
Bromomethane	20.0	24.4		ug/L		122	1 - 242
Carbon tetrachloride	20.0	18.1		ug/L		91	70 - 140
Chlorobenzene	20.0	19.1		ug/L		96	37 - 160
Chloroethane	20.0	22.3		ug/L		111	14 - 230
Chloroform	20.0	19.4		ug/L		97	51 - 138
Chloromethane	20.0	19.2		ug/L		96	1 - 273
cis-1,2-Dichloroethene	20.0	19.6		ug/L		98	
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	1 - 227
Dibromochloromethane	20.0	18.3		ug/L		91	53 - 149
Dichlorodifluoromethane	20.0	17.2		ug/L		86	
Ethylbenzene	20.0	20.1		ug/L		100	37 - 162
Methylene Chloride	20.0	18.4		ug/L		92	1 - 221
m-Xylene & p-Xylene	20.0	19.5		ug/L		97	79 - 120
o-Xylene	20.0	20.8		ug/L		104	79 - 120
Tetrachloroethene	20.0	18.5		ug/L		92	64 - 148
Toluene	20.0	19.5		ug/L		98	47 - 150
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	54 - 156
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	17 - 183
Trichloroethene	20.0	19.0		ug/L		95	71 - 157
Trichlorofluoromethane	20.0	18.8		ug/L		94	17 - 181
Vinyl chloride	20.0	18.4		ug/L		92	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*
4-Bromofluorobenzene (Surr)	*101*		*69 - 121*
Toluene-d8 (Surr)	*101*		*70 - 123*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-206499/1-A
Matrix: Water
Analysis Batch: 207036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/08/14 08:55	10/09/14 13:26	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-206499/1-A
Matrix: Water
Analysis Batch: 207036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/08/14 08:55	10/09/14 13:26	1
Arsenic	ND		0.015	0.0056	mg/L		10/08/14 08:55	10/09/14 13:26	1
Barium	ND		0.0020	0.00070	mg/L		10/08/14 08:55	10/09/14 13:26	1
Beryllium	ND		0.0020	0.00030	mg/L		10/08/14 08:55	10/09/14 13:26	1
Boron	ND		0.020	0.0040	mg/L		10/08/14 08:55	10/09/14 13:26	1
Cadmium	ND		0.0020	0.00050	mg/L		10/08/14 08:55	10/09/14 13:26	1
Calcium	ND		0.50	0.10	mg/L		10/08/14 08:55	10/09/14 13:26	1
Chromium	ND		0.0040	0.0010	mg/L		10/08/14 08:55	10/09/14 13:26	1
Copper	ND		0.010	0.0016	mg/L		10/08/14 08:55	10/09/14 13:26	1
Iron	0.0326	J	0.050	0.019	mg/L		10/08/14 08:55	10/09/14 13:26	1
Lead	ND		0.010	0.0030	mg/L		10/08/14 08:55	10/09/14 13:26	1
Magnesium	ND		0.20	0.043	mg/L		10/08/14 08:55	10/09/14 13:26	1
Manganese	ND		0.0030	0.00040	mg/L		10/08/14 08:55	10/09/14 13:26	1
Nickel	ND		0.010	0.0013	mg/L		10/08/14 08:55	10/09/14 13:26	1
Potassium	ND		0.50	0.10	mg/L		10/08/14 08:55	10/09/14 13:26	1
Selenium	ND		0.025	0.0087	mg/L		10/08/14 08:55	10/09/14 13:26	1
Silver	ND		0.0060	0.0017	mg/L		10/08/14 08:55	10/09/14 13:26	1
Sodium	ND		1.0	0.32	mg/L		10/08/14 08:55	10/09/14 13:26	1
Thallium	ND		0.020	0.010	mg/L		10/08/14 08:55	10/09/14 13:26	1
Zinc	0.00455	J	0.010	0.0015	mg/L		10/08/14 08:55	10/09/14 13:26	1

Lab Sample ID: LCS 480-206499/2-A
Matrix: Water
Analysis Batch: 206924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	8.95		mg/L		89	80 - 120
Antimony	0.200	0.192		mg/L		96	80 - 120
Arsenic	0.201	0.184		mg/L		92	80 - 120
Barium	0.200	0.217		mg/L		108	80 - 120
Beryllium	0.201	0.197		mg/L		98	80 - 120
Cadmium	0.201	0.188		mg/L		94	80 - 120
Chromium	0.201	0.188		mg/L		94	80 - 120
Copper	0.201	0.214		mg/L		107	80 - 120
Iron	10.0	9.07		mg/L		91	80 - 120
Lead	0.201	0.187		mg/L		93	80 - 120
Magnesium	10.0	10.2		mg/L		101	80 - 120
Manganese	0.201	0.202		mg/L		101	80 - 120
Nickel	0.201	0.183		mg/L		91	80 - 120
Potassium	10.0	9.25		mg/L		92	80 - 120
Selenium	0.201	0.189		mg/L		94	80 - 120
Silver	0.0500	0.0528		mg/L		106	80 - 120
Sodium	10.0	9.32		mg/L		93	80 - 120
Zinc	0.201	0.206		mg/L		103	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-206575/1-A
Matrix: Water
Analysis Batch: 206912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/08/14 10:50	10/09/14 12:06	1

Lab Sample ID: LCS 480-206575/2-A
Matrix: Water
Analysis Batch: 206912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00675		mg/L		101	80 - 120

Method: 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 480-206480/3
Matrix: Water
Analysis Batch: 206480

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	ND		1.0	1.0	NTU			10/07/14 23:00	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-150879/27
Matrix: Water
Analysis Batch: 150879

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.41	mg/L			10/10/14 01:10	1
Sulfate	ND		2.0	0.13	mg/L			10/10/14 01:10	1

Lab Sample ID: LCS 240-150879/28
Matrix: Water
Analysis Batch: 150879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.7		mg/L		95	90 - 110
Sulfate	50.0	47.3		mg/L		95	90 - 110

Lab Sample ID: MB 240-151358/27
Matrix: Water
Analysis Batch: 151358

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.41	mg/L			10/13/14 20:21	1
Sulfate	ND		2.0	0.13	mg/L			10/13/14 20:21	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 240-151358/3
Matrix: Water
Analysis Batch: 151358

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.41	mg/L			10/13/14 13:47	1
Sulfate	ND		2.0	0.13	mg/L			10/13/14 13:47	1

Lab Sample ID: LCS 240-151358/28
Matrix: Water
Analysis Batch: 151358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	53.2		mg/L		106	90 - 110
Sulfate	50.0	49.0		mg/L		98	90 - 110

Lab Sample ID: LCS 240-151358/4
Matrix: Water
Analysis Batch: 151358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	52.7		mg/L		105	90 - 110
Sulfate	50.0	48.9		mg/L		98	90 - 110

Method: 310.2 - Alkalinity

Lab Sample ID: MB 480-207719/185
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10	4.0	mg/L			10/14/14 15:04	1

Lab Sample ID: MB 480-207719/192
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10	4.0	mg/L			10/14/14 15:06	1

Lab Sample ID: MB 480-207719/203
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	4.00	J	10	4.0	mg/L			10/14/14 15:17	1

Lab Sample ID: LCS 480-207719/186
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	51.4		mg/L		103	90 - 110

Method: 310.2 - Alkalinity (Continued)

Lab Sample ID: LCS 480-207719/193 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 207719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	51.0		mg/L		102	90 - 110

Lab Sample ID: LCS 480-207719/204 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 207719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	50.2		mg/L		100	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-206737/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 206737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.00905	J	0.020	0.0090	mg/L			10/08/14 22:54	1

Lab Sample ID: MB 480-206737/75 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 206737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0111	J	0.020	0.0090	mg/L			10/08/14 23:56	1

Lab Sample ID: LCS 480-206737/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 206737

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.997		mg/L		100	90 - 110

Lab Sample ID: LCS 480-206737/76 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 206737

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.990		mg/L		99	90 - 110

Lab Sample ID: 480-68691-1 MS — **Client Sample ID: MH-5**
Matrix: Leachate — **Prep Type: Total/NA**
Analysis Batch: 206737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	130	B	20.0	143	4	mg/L		90	90 - 110

QC Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-206899/1-A
Matrix: Water
Analysis Batch: 207003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		10/09/14 09:14	10/09/14 18:23	1

Lab Sample ID: LCS 480-206899/2-A
Matrix: Water
Analysis Batch: 207003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.59		mg/L		104	90 - 110

Method: 410.4 - COD

Lab Sample ID: MB 480-208155/27
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	8.34	J	10	5.0	mg/L			10/16/14 09:12	1

Lab Sample ID: MB 480-208155/3
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	5.0	mg/L			10/16/14 09:12	1

Lab Sample ID: MB 480-208155/51
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	7.37	J	10	5.0	mg/L			10/16/14 09:12	1

Lab Sample ID: LCS 480-208155/28
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	26.7		mg/L		107	90 - 110

Lab Sample ID: LCS 480-208155/4
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	25.1		mg/L		100	90 - 110

Method: 410.4 - COD (Continued)

Lab Sample ID: LCS 480-208155/52
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	22.5		mg/L		90	90 - 110

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-206384/3
Matrix: Water
Analysis Batch: 206384

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.010	0.0050	mg/L			10/07/14 11:08	1

Lab Sample ID: LCS 480-206384/4
Matrix: Water
Analysis Batch: 206384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.0500	0.0520		mg/L		104	85 - 115

Lab Sample ID: 480-68691-1 MS
Matrix: Leachate
Analysis Batch: 206384

Client Sample ID: MH-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	ND		0.100	0.160	F1	mg/L		160	85 - 115

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-207517/1-A
Matrix: Water
Analysis Batch: 207541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	^	0.010	0.0050	mg/L		10/13/14 15:25	10/13/14 22:41	1

Lab Sample ID: LCS 480-207517/2-A
Matrix: Water
Analysis Batch: 207541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.232		mg/L		93	90 - 110

Lab Sample ID: 480-68691-1 MS
Matrix: Leachate
Analysis Batch: 207541

Client Sample ID: MH-5
Prep Type: Total/NA
Prep Batch: 207517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0083	J	0.100	0.0427	F1	mg/L		34	90 - 110

QC Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-207429/27
Matrix: Water
Analysis Batch: 207429

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/12/14 04:47	1

Lab Sample ID: LCS 480-207429/28
Matrix: Water
Analysis Batch: 207429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	60.8		mg/L		101	90 - 110

Method: 9066 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-206888/1-A
Matrix: Water
Analysis Batch: 207542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/09/14 09:30	10/13/14 19:12	1

Lab Sample ID: LCS 480-206888/2-A
Matrix: Water
Analysis Batch: 207542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.106		mg/L		106	90 - 110

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 480-206725/3
Matrix: Water
Analysis Batch: 206725

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.0	5.0	Color Units			10/07/14 23:20	1

Lab Sample ID: LCS 480-206725/4
Matrix: Water
Analysis Batch: 206725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Color	30.0	30.0		Color Units		100	90 - 110

Method: SM 2340C - Hardness, Total (mg/l as CaC03)

Lab Sample ID: MB 480-206969/51
Matrix: Water
Analysis Batch: 206969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		2.0	0.53	mg/L			10/09/14 11:55	1

Lab Sample ID: MB 480-206969/75
Matrix: Water
Analysis Batch: 206969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		2.0	0.53	mg/L			10/09/14 11:55	1

Lab Sample ID: LCS 480-206969/52
Matrix: Water
Analysis Batch: 206969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	298	288		mg/L		97	90 - 110

Lab Sample ID: LCS 480-206969/76
Matrix: Water
Analysis Batch: 206969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	298	284		mg/L		95	90 - 110

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-206989/1
Matrix: Water
Analysis Batch: 206989

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	4.0	mg/L			10/09/14 23:42	1

Lab Sample ID: LCS 480-206989/2
Matrix: Water
Analysis Batch: 206989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	485		mg/L		96	85 - 115

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-206654/1
Matrix: Water
Analysis Batch: 206654

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/08/14 14:37	1

Method: SM 5210B - BOD, 5-Day (Continued)

Lab Sample ID: LCS 480-206654/2
Matrix: Water
Analysis Batch: 206654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	203		mg/L		102	85 - 115

QC Association Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

GC/MS VOA

Analysis Batch: 206699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	624	
LCS 480-206699/6	Lab Control Sample	Total/NA	Water	624	
MB 480-206699/8	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 206499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	3005A	
LCS 480-206499/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-206499/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 206575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	7470A	
LCS 480-206575/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-206575/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 206912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	7470A	206575
LCS 480-206575/2-A	Lab Control Sample	Total/NA	Water	7470A	206575
MB 480-206575/1-A	Method Blank	Total/NA	Water	7470A	206575

Analysis Batch: 206924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	6010C	206499
LCS 480-206499/2-A	Lab Control Sample	Total/NA	Water	6010C	206499

Analysis Batch: 207036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-206499/1-A	Method Blank	Total/NA	Water	6010C	206499

General Chemistry

Analysis Batch: 150879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	300.0	
LCS 240-150879/28	Lab Control Sample	Total/NA	Water	300.0	
MB 240-150879/27	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 151358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	300.0	
LCS 240-151358/28	Lab Control Sample	Total/NA	Water	300.0	
LCS 240-151358/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-151358/27	Method Blank	Total/NA	Water	300.0	
MB 240-151358/3	Method Blank	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 206384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	7196A	
480-68691-1 MS	MH-5	Total/NA	Leachate	7196A	
LCS 480-206384/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-206384/3	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 206477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	353.2	

Analysis Batch: 206480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	180.1	
LCS 480-206480/4	Lab Control Sample	Total/NA	Water	180.1	
MB 480-206480/3	Method Blank	Total/NA	Water	180.1	

Analysis Batch: 206654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	SM 5210B	
LCS 480-206654/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-206654/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 206725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	SM 2120B	
LCS 480-206725/4	Lab Control Sample	Total/NA	Water	SM 2120B	
MB 480-206725/3	Method Blank	Total/NA	Water	SM 2120B	

Analysis Batch: 206737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	350.1	
480-68691-1 MS	MH-5	Total/NA	Leachate	350.1	
LCS 480-206737/4	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-206737/76	Lab Control Sample	Total/NA	Water	350.1	
MB 480-206737/3	Method Blank	Total/NA	Water	350.1	
MB 480-206737/75	Method Blank	Total/NA	Water	350.1	

Prep Batch: 206888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	Distill/Phenol	
LCS 480-206888/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-206888/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Prep Batch: 206899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	351.2	
LCS 480-206899/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-206899/1-A	Method Blank	Total/NA	Water	351.2	

Analysis Batch: 206969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	SM 2340C	

General Chemistry (Continued)

Analysis Batch: 206969 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-206969/52	Lab Control Sample	Total/NA	Water	SM 2340C	
LCS 480-206969/76	Lab Control Sample	Total/NA	Water	SM 2340C	
MB 480-206969/51	Method Blank	Total/NA	Water	SM 2340C	
MB 480-206969/75	Method Blank	Total/NA	Water	SM 2340C	

Analysis Batch: 206989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	SM 2540C	
LCS 480-206989/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-206989/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 207003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	351.2	206899
LCS 480-206899/2-A	Lab Control Sample	Total/NA	Water	351.2	206899
MB 480-206899/1-A	Method Blank	Total/NA	Water	351.2	206899

Analysis Batch: 207429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	9060A	
LCS 480-207429/28	Lab Control Sample	Total/NA	Water	9060A	
MB 480-207429/27	Method Blank	Total/NA	Water	9060A	

Prep Batch: 207517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	9012B	
480-68691-1 MS	MH-5	Total/NA	Leachate	9012B	
LCS 480-207517/2-A	Lab Control Sample	Total/NA	Water	9012B	
MB 480-207517/1-A	Method Blank	Total/NA	Water	9012B	

Analysis Batch: 207541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	9012B	207517
480-68691-1 MS	MH-5	Total/NA	Leachate	9012B	207517
LCS 480-207517/2-A	Lab Control Sample	Total/NA	Water	9012B	207517
MB 480-207517/1-A	Method Blank	Total/NA	Water	9012B	207517

Analysis Batch: 207542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	9066	206888
LCS 480-206888/2-A	Lab Control Sample	Total/NA	Water	9066	206888
MB 480-206888/1-A	Method Blank	Total/NA	Water	9066	206888

Analysis Batch: 207719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	310.2	
LCS 480-207719/186	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-207719/193	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-207719/204	Lab Control Sample	Total/NA	Water	310.2	
MB 480-207719/185	Method Blank	Total/NA	Water	310.2	
MB 480-207719/192	Method Blank	Total/NA	Water	310.2	

General Chemistry (Continued)

Analysis Batch: 207719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-207719/203	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 208155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68691-1	MH-5	Total/NA	Leachate	410.4	
LCS 480-208155/28	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-208155/4	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-208155/52	Lab Control Sample	Total/NA	Water	410.4	
MB 480-208155/27	Method Blank	Total/NA	Water	410.4	
MB 480-208155/3	Method Blank	Total/NA	Water	410.4	
MB 480-208155/51	Method Blank	Total/NA	Water	410.4	

Lab Chronicle

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Client Sample ID: MH-5

Date Collected: 10/06/14 15:30
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68691-1

Matrix: Leachate

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		10	206699	10/09/14 03:54	ABF	TAL BUF
Total/NA	Prep	3005A			206499	10/08/14 08:55	SLB	TAL BUF
Total/NA	Analysis	6010C		1	206924	10/08/14 19:44	AMH	TAL BUF
Total/NA	Prep	7470A			206575	10/08/14 10:50	LRK	TAL BUF
Total/NA	Analysis	7470A		1	206912	10/09/14 12:09	LRK	TAL BUF
Total/NA	Analysis	180.1		1	206480	10/07/14 23:00	CLT	TAL BUF
Total/NA	Analysis	300.0		5	151358	10/13/14 16:15	LKG	TAL CAN
Total/NA	Analysis	300.0		1	150879	10/10/14 03:07	JMB	TAL CAN
Total/NA	Analysis	310.2		50	207719	10/14/14 15:32	NCH	TAL BUF
Total/NA	Analysis	350.1		100	206737	10/08/14 23:01	RS	TAL BUF
Total/NA	Prep	351.2			206899	10/09/14 09:14	LAW	TAL BUF
Total/NA	Analysis	351.2		50	207003	10/10/14 04:23	CLT	TAL BUF
Total/NA	Analysis	353.2		1	206477	10/07/14 21:58	RS	TAL BUF
Total/NA	Analysis	410.4		4	208155	10/16/14 09:12	KMF	TAL BUF
Total/NA	Analysis	7196A		1	206384	10/07/14 11:08	NCH	TAL BUF
Total/NA	Prep	9012B			207517	10/13/14 15:25	MDL	TAL BUF
Total/NA	Analysis	9012B		1	207541	10/13/14 22:52	RS	TAL BUF
Total/NA	Analysis	9060A		1	207429	10/12/14 08:05	MRF	TAL BUF
Total/NA	Prep	Distill/Phenol			206888	10/09/14 09:30	MRF	TAL BUF
Total/NA	Analysis	9066		1	207542	10/13/14 20:36	JMB	TAL BUF
Total/NA	Analysis	SM 2120B		1	206725	10/07/14 23:20	RS	TAL BUF
Total/NA	Analysis	SM 2340C		1	206969	10/09/14 11:55	KMF	TAL BUF
Total/NA	Analysis	SM 2540C		1	206989	10/09/14 23:42	JMB	TAL BUF
Total/NA	Analysis	SM 5210B		1	206654	10/08/14 14:37	MDL	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-15
California	State Program	9	1169CA	09-30-14 *
Connecticut	State Program	1	PH-0568	09-30-14 *
Florida	NELAP	4	E87672	06-30-15
Georgia	State Program	4	N/A	03-31-15
Georgia	State Program	4	956	03-31-15
Illinois	NELAP	5	200003	09-30-14 *
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-15
Kentucky (DW)	State Program	4	90029	12-31-14
Kentucky (UST)	State Program	4	30	03-31-15
Louisiana	NELAP	6	02031	06-30-14 *
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-15
Massachusetts	State Program	1	M-NY044	06-30-15
Michigan	State Program	5	9937	03-31-15
Minnesota	NELAP	5	036-999-337	12-31-14
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-15
New York	NELAP	2	10026	03-31-15
North Dakota	State Program	8	R-176	03-31-14 *
Oklahoma	State Program	6	9421	08-31-15
Oregon	NELAP	10	NY200003	06-09-15
Pennsylvania	NELAP	3	68-00281	07-31-15
Rhode Island	State Program	1	LAO00328	12-30-14
Tennessee	State Program	4	TN02970	03-31-15
Texas	NELAP	6	T104704412-11-2	07-31-15
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-15
Washington	State Program	10	C784	02-10-15
West Virginia DEP	State Program	3	252	09-30-14 *
Wisconsin	State Program	5	998310390	08-31-15

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15

* Certification renewal pending - certification considered valid.

Certification Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Laboratory: TestAmerica Canton (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

Method Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
180.1	Turbidity, Nephelometric	MCAWW	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL CAN
310.2	Alkalinity	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
410.4	COD	MCAWW	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
9066	Phenolics, Total Recoverable	SW846	TAL BUF
SM 2120B	Color, Colorimetric	SM	TAL BUF
SM 2340C	Hardness, Total (mg/l as CaC03)	SM	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-68691-1	MH-5	Leachate	10/06/14 15:30	10/07/14 09:00

Detection Limit Exceptions Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68691-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
300.0	Leachate	Chloride	mg/L	0.50	1

TestAmerica
18 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600

480-68691 Chain of Custody

Chain of Custody Record

040128

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact			
Company Name: Sterling Environmental	Project Manager: Mark Williams	Site Contact: Cody Sargood	Date: 10/6/14
Address: 24 Wade Road	Tel/Fax:	Lab Contact: Lisa Shaffer	Carrier:
City/State/Zip: Latham NY 12110	Analysis Turnaround Time		
Phone: (518)456-4900	☐ CALENDAR DAYS ☒ WORKING DAYS		
Fax:	TAT if different from Below _____		
Project Name: Orange County Landfill	☐ 2 weeks		
Site: OC Landfill	☒ 1 week 5 Days		
PO# 2010-15	☐ 2 days		
	☐ 1 day		

COC No: 1 of 1 COCs
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Chloride Sulfate	COD, TKN	Mercury	Hardness, Phenolics	TOC, BOD, TDS	Cyanide Total	VOC	Nitrate, Nitrite	Turbidity, Color	Hex. Chromium	Alkalinity Total	Gasoline Methods	Sample Specific Notes:
Seep Monitoring Point	10/6/14	9:15	G	Water	8	N	N				X	X	X	X						
DUP-1	↓	—	↓	↓	8	↓	↓				X	X	X	X						
MH-5	↓	15:30	↓	↓	17	↓	↓	X	X	X	X	X	X	X	X	X	X	X	X	
SW-8	↓	15:15	↓	↓	17	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
Trip Blanks	↓	—	—	↓	2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

Preservation Used: 1=Ice, 2=HCL, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☒ Archive for 1 Months

Special Instructions/QC Requirements & Comments: 5 Day TOT; Analysis Listed On Bottles - More Samples to arrive for Seep MP and DUP1

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp.(°C): Obs'd: _____ Corr'd: _____ | Therm ID No.:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Cody Sargood	Sterling	10/6 5:50pm	[illegible]	—	10/7/14 0900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

3.8, 3.9, 4.2 #2

Login Sample Receipt Checklist

Client: Sterling Environmental Engineering PC

Job Number: 480-68691-1

Login Number: 68691
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STERLING
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-68692-1
Client Project/Site: Orange County Landfill
Sampling Event: Groundwater Baseline

For:
Sterling Environmental Engineering PC
24 Wade Road
Latham, New York 12110

Attn: Mr. Mark Williams

Authorized for release by:
10/17/2014 11:17:32 AM
Anne Pridgeon, Project Management Assistant I
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LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
b	Result Detected in the Unseeded Control blank (USB).
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-68692-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-68692-1

Comments
No additional comments.

Receipt
The samples were received on 10/7/2014 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 3.8° C, 3.9° C and 4.2° C.

Except:

Method(s) 7196A: The following samples were received outside of holding time: PZ-14-3 (480-68692-2), PZ-14-5 (480-68692-1). No time listed, therefore default TALS time of 00:00 was used.

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

Metals
Method(s) 6010C: The method blank for batch 480-206494 contained dissolved copper and zinc above the method detection limits. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples PZ-14-3 (480-68692-2), PZ-14-5 (480-68692-1) was not performed.

Method(s) 6010C: The method blank for batch 480-206494 contained dissolved boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples PZ-14-3 (480-68692-2), PZ-14-5 (480-68692-1) was not performed.

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

General Chemistry
Method(s) SM 2120B: Associated samples were filtered prior to analysis. Results are reported as true color. (480-68692-1 DU), PZ-14-3 (480-68692-2), PZ-14-5 (480-68692-1)

Method(s) 350.1: The method blank for batch 206737 contained ammonia above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. PZ-14-5 (480-68692-1)

Method(s) SM 5210B: The USB dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results in batch 206522 are reported. (USB 480-206522/1)

Method(s) SM 5210B: The sample duplicate precision for the following sample associated with batch 206522 was outside control limits: (480-68692-2 DU).

Method(s) 310.2: The method blank for batch 207719 contained Alkalintiy above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.PZ-14-5 (480-68692-1)

Method(s) 310.2: The method blank for batch 207973 contained Alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.PZ-14-3 (480-68692-2)

Method(s) 410.4: The method blank for batch 208155 contained chemical oxygen demand above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.PZ-14-3 (480-68692-2), PZ-14-5 (480-68692-1)

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

Detection Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: PZ-14-5 — Lab Sample ID: 480-68692-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.73		0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.057		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.51		0.0020	0.00070	mg/L	1		6010C	Total/NA
Boron	0.21		0.020	0.0040	mg/L	1		6010C	Total/NA
Calcium	140		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0076		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0072	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	4.8	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	54		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	1.0		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.028		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	9.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	87		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.026	B	0.010	0.0015	mg/L	1		6010C	Total/NA
Aluminum	2.7		0.20	0.060	mg/L	1		6010C	Dissolved
Arsenic	0.055		0.015	0.0056	mg/L	1		6010C	Dissolved
Barium	0.47		0.0020	0.00070	mg/L	1		6010C	Dissolved
Boron	0.20	B	0.020	0.0040	mg/L	1		6010C	Dissolved
Calcium	130		0.50	0.10	mg/L	1		6010C	Dissolved
Chromium	0.016		0.0040	0.0010	mg/L	1		6010C	Dissolved
Copper	0.011	B	0.010	0.0016	mg/L	1		6010C	Dissolved
Iron	7.7		0.050	0.019	mg/L	1		6010C	Dissolved
Lead	0.0051	J	0.010	0.0030	mg/L	1		6010C	Dissolved
Magnesium	52		0.20	0.043	mg/L	1		6010C	Dissolved
Manganese	1.1		0.0030	0.00040	mg/L	1		6010C	Dissolved
Nickel	0.032		0.010	0.0013	mg/L	1		6010C	Dissolved
Potassium	9.7		0.50	0.10	mg/L	1		6010C	Dissolved
Sodium	85		1.0	0.32	mg/L	1		6010C	Dissolved
Zinc	0.036	B	0.010	0.0015	mg/L	1		6010C	Dissolved
Chloride	79		0.50	0.41	mg/L	1		300.0	Total/NA
Sulfate	30		2.0	0.13	mg/L	1		300.0	Total/NA
Alkalinity, Total	600	B	100	40	mg/L	10		310.2	Total/NA
Ammonia	9.1	B	0.20	0.090	mg/L	10		350.1	Total/NA
Total Kjeldahl Nitrogen	9.2		1.0	0.75	mg/L	5		351.2	Total/NA
Nitrate as N	0.090		0.050	0.020	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	32	B	10	5.0	mg/L	1		410.4	Total/NA
Cyanide, Total	0.23		0.010	0.0050	mg/L	1		9012B	Total/NA
Total Organic Carbon	8.9		1.0	0.43	mg/L	1		9060A	Total/NA
Phenolics, Total Recoverable	0.026		0.010	0.0050	mg/L	1		9066	Total/NA
Hardness	580		10	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	780		10	4.0	mg/L	1		SM 2540C	Total/NA
Biochemical Oxygen Demand	7.1	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
Turbidity	240		1.0	1.0	NTU	1		180.1	Total/NA

Client Sample ID: PZ-14-3 — Lab Sample ID: 480-68692-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	6.3		0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.094		0.015	0.0056	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: PZ-14-3 (Continued) — Lab Sample ID: 480-68692-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.63		0.0020	0.00070	mg/L	1		6010C	Total/NA
Beryllium	0.00047	J	0.0020	0.00030	mg/L	1		6010C	Total/NA
Boron	0.18		0.020	0.0040	mg/L	1		6010C	Total/NA
Calcium	180		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.028		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.091		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	18	B	0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.017		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	56		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	2.0		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.025		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	9.3		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	60		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.087	B	0.010	0.0015	mg/L	1		6010C	Total/NA
Aluminum	8.7		0.20	0.060	mg/L	1		6010C	Dissolved
Arsenic	0.092		0.015	0.0056	mg/L	1		6010C	Dissolved
Barium	0.59		0.0020	0.00070	mg/L	1		6010C	Dissolved
Beryllium	0.00048	J	0.0020	0.00030	mg/L	1		6010C	Dissolved
Boron	0.17	B	0.020	0.0040	mg/L	1		6010C	Dissolved
Calcium	150		0.50	0.10	mg/L	1		6010C	Dissolved
Chromium	0.032		0.0040	0.0010	mg/L	1		6010C	Dissolved
Copper	0.083	B	0.010	0.0016	mg/L	1		6010C	Dissolved
Iron	22		0.050	0.019	mg/L	1		6010C	Dissolved
Lead	0.015		0.010	0.0030	mg/L	1		6010C	Dissolved
Magnesium	54		0.20	0.043	mg/L	1		6010C	Dissolved
Manganese	1.7		0.0030	0.00040	mg/L	1		6010C	Dissolved
Nickel	0.030		0.010	0.0013	mg/L	1		6010C	Dissolved
Potassium	9.1		0.50	0.10	mg/L	1		6010C	Dissolved
Sodium	58		1.0	0.32	mg/L	1		6010C	Dissolved
Zinc	0.087	B	0.010	0.0015	mg/L	1		6010C	Dissolved
Chloride	61		0.50	0.41	mg/L	1		300.0	Total/NA
Sulfate	34		2.0	0.13	mg/L	1		300.0	Total/NA
Alkalinity, Total	570	B	100	40	mg/L	10		310.2	Total/NA
Ammonia	5.3		0.10	0.045	mg/L	5		350.1	Total/NA
Total Kjeldahl Nitrogen	5.9		0.40	0.30	mg/L	2		351.2	Total/NA
Nitrate as N	0.69		0.050	0.020	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	23	B	10	5.0	mg/L	1		410.4	Total/NA
Total Organic Carbon	3.2		1.0	0.43	mg/L	1		9060A	Total/NA
Hardness	610		10	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	680		10	4.0	mg/L	1		SM 2540C	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	450		1.0	1.0	NTU	1		180.1	Total/NA

Client Sample ID: TB1 — Lab Sample ID: 480-68692-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: PZ-14-5

Date Collected: 10/06/14 12:55
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68692-1

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/09/14 04:19	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/09/14 04:19	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/09/14 04:19	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/09/14 04:19	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/09/14 04:19	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/09/14 04:19	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/09/14 04:19	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/09/14 04:19	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/09/14 04:19	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/09/14 04:19	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/09/14 04:19	1
Benzene	ND		5.0	0.60	ug/L			10/09/14 04:19	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/09/14 04:19	1
Bromoform	ND		5.0	0.47	ug/L			10/09/14 04:19	1
Bromomethane	ND		5.0	1.2	ug/L			10/09/14 04:19	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/09/14 04:19	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/09/14 04:19	1
Chloroethane	ND		5.0	0.87	ug/L			10/09/14 04:19	1
Chloroform	ND		5.0	0.54	ug/L			10/09/14 04:19	1
Chloromethane	ND		5.0	0.64	ug/L			10/09/14 04:19	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			10/09/14 04:19	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/09/14 04:19	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/09/14 04:19	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			10/09/14 04:19	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/09/14 04:19	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/09/14 04:19	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			10/09/14 04:19	1
o-Xylene	ND		5.0	0.43	ug/L			10/09/14 04:19	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/09/14 04:19	1
Toluene	ND		5.0	0.45	ug/L			10/09/14 04:19	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			10/09/14 04:19	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/09/14 04:19	1
Trichloroethene	ND		5.0	0.60	ug/L			10/09/14 04:19	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/09/14 04:19	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/09/14 04:19	1
Xylenes, Total	ND		10	1.1	ug/L			10/09/14 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*		*10/09/14 04:19*	*1*
4-Bromofluorobenzene (Surr)	*104*		*69 - 121*		*10/09/14 04:19*	*1*
Toluene-d8 (Surr)	*99*		*70 - 123*		*10/09/14 04:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.73**		0.20	0.060	mg/L		10/08/14 08:55	10/08/14 19:13	1
Antimony	ND		0.020	0.0068	mg/L		10/08/14 08:55	10/08/14 19:13	1
Arsenic	**0.057**		0.015	0.0056	mg/L		10/08/14 08:55	10/08/14 19:13	1
Barium	**0.51**		0.0020	0.00070	mg/L		10/08/14 08:55	10/08/14 19:13	1
Beryllium	ND		0.0020	0.00030	mg/L		10/08/14 08:55	10/08/14 19:13	1
Boron	**0.21**		0.020	0.0040	mg/L		10/08/14 08:55	10/09/14 13:47	1

Client Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: PZ-14-5

Date Collected: 10/06/14 12:55
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68692-1

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/08/14 08:55	10/08/14 19:13	1
Calcium	**140**		0.50	0.10	mg/L		10/08/14 08:55	10/09/14 13:47	1
Chromium	**0.0076**		0.0040	0.0010	mg/L		10/08/14 08:55	10/08/14 19:13	1
Copper	**0.0072**	**J**	0.010	0.0016	mg/L		10/08/14 08:55	10/08/14 19:13	1
Iron	**4.8**	**B**	0.050	0.019	mg/L		10/08/14 08:55	10/08/14 19:13	1
Lead	ND		0.010	0.0030	mg/L		10/08/14 08:55	10/08/14 19:13	1
Magnesium	**54**		0.20	0.043	mg/L		10/08/14 08:55	10/08/14 19:13	1
Manganese	**1.0**		0.0030	0.00040	mg/L		10/08/14 08:55	10/08/14 19:13	1
Nickel	**0.028**		0.010	0.0013	mg/L		10/08/14 08:55	10/08/14 19:13	1
Potassium	**9.8**		0.50	0.10	mg/L		10/08/14 08:55	10/08/14 19:13	1
Selenium	ND		0.025	0.0087	mg/L		10/08/14 08:55	10/08/14 19:13	1
Silver	ND		0.0060	0.0017	mg/L		10/08/14 08:55	10/08/14 19:13	1
Sodium	**87**		1.0	0.32	mg/L		10/08/14 08:55	10/08/14 19:13	1
Thallium	ND		0.020	0.010	mg/L		10/08/14 08:55	10/08/14 19:13	1
Zinc	**0.026**	**B**	0.010	0.0015	mg/L		10/08/14 08:55	10/08/14 19:13	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.7**		0.20	0.060	mg/L		10/08/14 08:57	10/08/14 23:45	1
Antimony	ND		0.020	0.0068	mg/L		10/08/14 08:57	10/08/14 23:45	1
Arsenic	**0.055**		0.015	0.0056	mg/L		10/08/14 08:57	10/08/14 23:45	1
Barium	**0.47**		0.0020	0.00070	mg/L		10/08/14 08:57	10/08/14 23:45	1
Beryllium	ND		0.0020	0.00030	mg/L		10/08/14 08:57	10/08/14 23:45	1
Boron	**0.20**	**B**	0.020	0.0040	mg/L		10/08/14 08:57	10/09/14 14:19	1
Cadmium	ND		0.0020	0.00050	mg/L		10/08/14 08:57	10/08/14 23:45	1
Calcium	**130**		0.50	0.10	mg/L		10/08/14 08:57	10/08/14 23:45	1
Chromium	**0.016**		0.0040	0.0010	mg/L		10/08/14 08:57	10/08/14 23:45	1
Copper	**0.011**	**B**	0.010	0.0016	mg/L		10/08/14 08:57	10/08/14 23:45	1
Iron	**7.7**		0.050	0.019	mg/L		10/08/14 08:57	10/08/14 23:45	1
Lead	**0.0051**	**J**	0.010	0.0030	mg/L		10/08/14 08:57	10/08/14 23:45	1
Magnesium	**52**		0.20	0.043	mg/L		10/08/14 08:57	10/08/14 23:45	1
Manganese	**1.1**		0.0030	0.00040	mg/L		10/08/14 08:57	10/08/14 23:45	1
Nickel	**0.032**		0.010	0.0013	mg/L		10/08/14 08:57	10/08/14 23:45	1
Potassium	**9.7**		0.50	0.10	mg/L		10/08/14 08:57	10/08/14 23:45	1
Selenium	ND		0.025	0.0087	mg/L		10/08/14 08:57	10/08/14 23:45	1
Silver	ND		0.0060	0.0017	mg/L		10/08/14 08:57	10/08/14 23:45	1
Sodium	**85**		1.0	0.32	mg/L		10/08/14 08:57	10/08/14 23:45	1
Thallium	ND		0.020	0.010	mg/L		10/08/14 08:57	10/08/14 23:45	1
Zinc	**0.036**	**B**	0.010	0.0015	mg/L		10/08/14 08:57	10/08/14 23:45	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/08/14 10:50	10/09/14 11:27	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/13/14 08:55	10/13/14 13:40	1

Client Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: PZ-14-5

Date Collected: 10/06/14 12:55
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68692-1

Matrix: Ground Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79		0.50	0.41	mg/L			10/10/14 01:49	1
Sulfate	30		2.0	0.13	mg/L			10/10/14 01:49	1
Alkalinity, Total	600	B	100	40	mg/L			10/14/14 15:18	10
Ammonia	9.1	B	0.20	0.090	mg/L			10/08/14 23:04	10
Total Kjeldahl Nitrogen	9.2		1.0	0.75	mg/L		10/09/14 09:14	10/10/14 04:00	5
Nitrate as N	0.090		0.050	0.020	mg/L			10/07/14 21:59	1
Chemical Oxygen Demand	32	B	10	5.0	mg/L			10/16/14 09:12	1
Chromium, hexavalent	ND		0.010	0.0050	mg/L			10/07/14 11:08	1
Cyanide, Total	0.23		0.010	0.0050	mg/L		10/13/14 15:25	10/13/14 22:55	1
Total Organic Carbon	8.9		1.0	0.43	mg/L			10/12/14 08:34	1
Phenolics, Total Recoverable	0.026		0.010	0.0050	mg/L		10/09/14 09:30	10/13/14 20:36	1
Hardness	580		10	2.6	mg/L			10/09/14 11:55	1
Total Dissolved Solids	780		10	4.0	mg/L			10/10/14 23:57	1
Biochemical Oxygen Demand	7.1	b	2.0	2.0	mg/L			10/07/14 23:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	240		1.0	1.0	NTU			10/07/14 23:00	1
Color	ND		5.0	5.0	Color Units			10/07/14 23:20	1

Client Sample ID: PZ-14-3

Date Collected: 10/06/14 11:25
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68692-2

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/09/14 04:44	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/09/14 04:44	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/09/14 04:44	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/09/14 04:44	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/09/14 04:44	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/09/14 04:44	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/09/14 04:44	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/09/14 04:44	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/09/14 04:44	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/09/14 04:44	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/09/14 04:44	1
Benzene	ND		5.0	0.60	ug/L			10/09/14 04:44	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/09/14 04:44	1
Bromoform	ND		5.0	0.47	ug/L			10/09/14 04:44	1
Bromomethane	ND		5.0	1.2	ug/L			10/09/14 04:44	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/09/14 04:44	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/09/14 04:44	1
Chloroethane	ND		5.0	0.87	ug/L			10/09/14 04:44	1
Chloroform	ND		5.0	0.54	ug/L			10/09/14 04:44	1
Chloromethane	ND		5.0	0.64	ug/L			10/09/14 04:44	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			10/09/14 04:44	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/09/14 04:44	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/09/14 04:44	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			10/09/14 04:44	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/09/14 04:44	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/09/14 04:44	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			10/09/14 04:44	1
o-Xylene	ND		5.0	0.43	ug/L			10/09/14 04:44	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/09/14 04:44	1
Toluene	ND		5.0	0.45	ug/L			10/09/14 04:44	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			10/09/14 04:44	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/09/14 04:44	1
Trichloroethene	ND		5.0	0.60	ug/L			10/09/14 04:44	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/09/14 04:44	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/09/14 04:44	1
Xylenes, Total	ND		10	1.1	ug/L			10/09/14 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*10/09/14 04:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*69 - 121*		*10/09/14 04:44*	*1*
Toluene-d8 (Surr)	*99*		*70 - 123*		*10/09/14 04:44*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6.3**		0.20	0.060	mg/L		10/08/14 08:55	10/08/14 19:15	1
Antimony	ND		0.020	0.0068	mg/L		10/08/14 08:55	10/08/14 19:15	1
Arsenic	**0.094**		0.015	0.0056	mg/L		10/08/14 08:55	10/08/14 19:15	1
Barium	**0.63**		0.0020	0.00070	mg/L		10/08/14 08:55	10/08/14 19:15	1
Beryllium	**0.00047**	J	0.0020	0.00030	mg/L		10/08/14 08:55	10/08/14 19:15	1
Boron	**0.18**		0.020	0.0040	mg/L		10/08/14 08:55	10/09/14 13:57	1

Client Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: PZ-14-3

Date Collected: 10/06/14 11:25
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68692-2

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/08/14 08:55	10/08/14 19:15	1
Calcium	**180**		0.50	0.10	mg/L		10/08/14 08:55	10/09/14 13:57	1
Chromium	**0.028**		0.0040	0.0010	mg/L		10/08/14 08:55	10/08/14 19:15	1
Copper	**0.091**		0.010	0.0016	mg/L		10/08/14 08:55	10/08/14 19:15	1
Iron	**18**	**B**	0.050	0.019	mg/L		10/08/14 08:55	10/08/14 19:15	1
Lead	**0.017**		0.010	0.0030	mg/L		10/08/14 08:55	10/08/14 19:15	1
Magnesium	**56**		0.20	0.043	mg/L		10/08/14 08:55	10/08/14 19:15	1
Manganese	**2.0**		0.0030	0.00040	mg/L		10/08/14 08:55	10/08/14 19:15	1
Nickel	**0.025**		0.010	0.0013	mg/L		10/08/14 08:55	10/08/14 19:15	1
Potassium	**9.3**		0.50	0.10	mg/L		10/08/14 08:55	10/08/14 19:15	1
Selenium	ND		0.025	0.0087	mg/L		10/08/14 08:55	10/08/14 19:15	1
Silver	ND		0.0060	0.0017	mg/L		10/08/14 08:55	10/08/14 19:15	1
Sodium	**60**		1.0	0.32	mg/L		10/08/14 08:55	10/08/14 19:15	1
Thallium	ND		0.020	0.010	mg/L		10/08/14 08:55	10/08/14 19:15	1
Zinc	**0.087**	**B**	0.010	0.0015	mg/L		10/08/14 08:55	10/08/14 19:15	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8.7**		0.20	0.060	mg/L		10/08/14 08:57	10/08/14 23:47	1
Antimony	ND		0.020	0.0068	mg/L		10/08/14 08:57	10/08/14 23:47	1
Arsenic	**0.092**		0.015	0.0056	mg/L		10/08/14 08:57	10/08/14 23:47	1
Barium	**0.59**		0.0020	0.00070	mg/L		10/08/14 08:57	10/08/14 23:47	1
Beryllium	**0.00048**	**J**	0.0020	0.00030	mg/L		10/08/14 08:57	10/08/14 23:47	1
Boron	**0.17**	**B**	0.020	0.0040	mg/L		10/08/14 08:57	10/09/14 14:29	1
Cadmium	ND		0.0020	0.00050	mg/L		10/08/14 08:57	10/08/14 23:47	1
Calcium	**150**		0.50	0.10	mg/L		10/08/14 08:57	10/08/14 23:47	1
Chromium	**0.032**		0.0040	0.0010	mg/L		10/08/14 08:57	10/08/14 23:47	1
Copper	**0.083**	**B**	0.010	0.0016	mg/L		10/08/14 08:57	10/08/14 23:47	1
Iron	**22**		0.050	0.019	mg/L		10/08/14 08:57	10/08/14 23:47	1
Lead	**0.015**		0.010	0.0030	mg/L		10/08/14 08:57	10/08/14 23:47	1
Magnesium	**54**		0.20	0.043	mg/L		10/08/14 08:57	10/08/14 23:47	1
Manganese	**1.7**		0.0030	0.00040	mg/L		10/08/14 08:57	10/08/14 23:47	1
Nickel	**0.030**		0.010	0.0013	mg/L		10/08/14 08:57	10/08/14 23:47	1
Potassium	**9.1**		0.50	0.10	mg/L		10/08/14 08:57	10/08/14 23:47	1
Selenium	ND		0.025	0.0087	mg/L		10/08/14 08:57	10/08/14 23:47	1
Silver	ND		0.0060	0.0017	mg/L		10/08/14 08:57	10/08/14 23:47	1
Sodium	**58**		1.0	0.32	mg/L		10/08/14 08:57	10/08/14 23:47	1
Thallium	ND		0.020	0.010	mg/L		10/08/14 08:57	10/08/14 23:47	1
Zinc	**0.087**	**B**	0.010	0.0015	mg/L		10/08/14 08:57	10/08/14 23:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/08/14 10:50	10/09/14 11:29	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/13/14 08:55	10/13/14 13:47	1

Client Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: PZ-14-3

Date Collected: 10/06/14 11:25
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68692-2

Matrix: Ground Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61**		0.50	0.41	mg/L			10/10/14 02:47	1
Sulfate	**34**		2.0	0.13	mg/L			10/10/14 02:47	1
Alkalinity, Total	**570**	**B**	100	40	mg/L			10/15/14 08:45	10
Ammonia	**5.3**		0.10	0.045	mg/L			10/09/14 00:43	5
Total Kjeldahl Nitrogen	**5.9**		0.40	0.30	mg/L		10/09/14 09:14	10/10/14 04:00	2
Nitrate as N	**0.69**		0.050	0.020	mg/L			10/07/14 22:00	1
Chemical Oxygen Demand	**23**	**B**	10	5.0	mg/L			10/16/14 09:12	1
Chromium, hexavalent	ND		0.010	0.0050	mg/L			10/07/14 11:08	1
Cyanide, Total	ND		0.010	0.0050	mg/L		10/13/14 15:25	10/13/14 22:56	1
Total Organic Carbon	**3.2**		1.0	0.43	mg/L			10/12/14 09:02	1
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/09/14 09:30	10/13/14 20:36	1
Hardness	**610**		10	2.6	mg/L			10/09/14 11:55	1
Total Dissolved Solids	**680**		10	4.0	mg/L			10/13/14 00:14	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/14 23:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	**450**		1.0	1.0	NTU			10/07/14 23:00	1
Color	ND		5.0	5.0	Color Units			10/07/14 23:20	1

Client Sample Results

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: TB1

Date Collected: 10/06/14 00:00
Date Received: 10/07/14 09:00

Lab Sample ID: 480-68692-3

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/09/14 05:09	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/09/14 05:09	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/09/14 05:09	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/09/14 05:09	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/09/14 05:09	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/09/14 05:09	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/09/14 05:09	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/09/14 05:09	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/09/14 05:09	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/09/14 05:09	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/09/14 05:09	1
Benzene	ND		5.0	0.60	ug/L			10/09/14 05:09	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/09/14 05:09	1
Bromoform	ND		5.0	0.47	ug/L			10/09/14 05:09	1
Bromomethane	ND		5.0	1.2	ug/L			10/09/14 05:09	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/09/14 05:09	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/09/14 05:09	1
Chloroethane	ND		5.0	0.87	ug/L			10/09/14 05:09	1
Chloroform	ND		5.0	0.54	ug/L			10/09/14 05:09	1
Chloromethane	ND		5.0	0.64	ug/L			10/09/14 05:09	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			10/09/14 05:09	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/09/14 05:09	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/09/14 05:09	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			10/09/14 05:09	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/09/14 05:09	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/09/14 05:09	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			10/09/14 05:09	1
o-Xylene	ND		5.0	0.43	ug/L			10/09/14 05:09	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/09/14 05:09	1
Toluene	ND		5.0	0.45	ug/L			10/09/14 05:09	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			10/09/14 05:09	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/09/14 05:09	1
Trichloroethene	ND		5.0	0.60	ug/L			10/09/14 05:09	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/09/14 05:09	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/09/14 05:09	1
Xylenes, Total	ND		10	1.1	ug/L			10/09/14 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*		*10/09/14 05:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*69 - 121*		*10/09/14 05:09*	*1*
Toluene-d8 (Surr)	*98*		*70 - 123*		*10/09/14 05:09*	*1*

Surrogate Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(72-130)	(69-121)	(70-123)
480-68692-1	PZ-14-5	104	104	99
480-68692-2	PZ-14-3	105	98	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(72-130)	(69-121)	(70-123)
480-68692-3	TB1	104	98	98
LCS 480-206699/6	Lab Control Sample	100	101	101
MB 480-206699/8	Method Blank	104	101	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-206699/8
Matrix: Water
Analysis Batch: 206699

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			10/08/14 23:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			10/08/14 23:03	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/08/14 23:03	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/08/14 23:03	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			10/08/14 23:03	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			10/08/14 23:03	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/08/14 23:03	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			10/08/14 23:03	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			10/08/14 23:03	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			10/08/14 23:03	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			10/08/14 23:03	1
Benzene	ND		5.0	0.60	ug/L			10/08/14 23:03	1
Bromodichloromethane	ND		5.0	0.54	ug/L			10/08/14 23:03	1
Bromoform	ND		5.0	0.47	ug/L			10/08/14 23:03	1
Bromomethane	ND		5.0	1.2	ug/L			10/08/14 23:03	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/08/14 23:03	1
Chlorobenzene	ND		5.0	0.48	ug/L			10/08/14 23:03	1
Chloroethane	ND		5.0	0.87	ug/L			10/08/14 23:03	1
Chloroform	ND		5.0	0.54	ug/L			10/08/14 23:03	1
Chloromethane	ND		5.0	0.64	ug/L			10/08/14 23:03	1
cis-1,2-Dichloroethene	ND		5.0	0.57	ug/L			10/08/14 23:03	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			10/08/14 23:03	1
Dibromochloromethane	ND		5.0	0.41	ug/L			10/08/14 23:03	1
Dichlorodifluoromethane	ND		5.0	0.28	ug/L			10/08/14 23:03	1
Ethylbenzene	ND		5.0	0.46	ug/L			10/08/14 23:03	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/08/14 23:03	1
m-Xylene & p-Xylene	ND		10	1.1	ug/L			10/08/14 23:03	1
o-Xylene	ND		5.0	0.43	ug/L			10/08/14 23:03	1
Tetrachloroethene	ND		5.0	0.34	ug/L			10/08/14 23:03	1
Toluene	ND		5.0	0.45	ug/L			10/08/14 23:03	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			10/08/14 23:03	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			10/08/14 23:03	1
Trichloroethene	ND		5.0	0.60	ug/L			10/08/14 23:03	1
Trichlorofluoromethane	ND		5.0	0.45	ug/L			10/08/14 23:03	1
Vinyl chloride	ND		5.0	0.75	ug/L			10/08/14 23:03	1
Xylenes, Total	ND		10	1.1	ug/L			10/08/14 23:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*		*10/08/14 23:03*	*1*
4-Bromofluorobenzene (Surr)	*101*		*69 - 121*		*10/08/14 23:03*	*1*
Toluene-d8 (Surr)	*99*		*70 - 123*		*10/08/14 23:03*	*1*

Lab Sample ID: LCS 480-206699/6
Matrix: Water
Analysis Batch: 206699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.6		ug/L		93	52 - 162

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-206699/6
Matrix: Water
Analysis Batch: 206699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	20.0	18.8		ug/L		94	46 - 157
1,1,2-Trichloroethane	20.0	18.6		ug/L		93	52 - 150
1,1-Dichloroethane	20.0	19.6		ug/L		98	59 - 155
1,1-Dichloroethene	20.0	18.6		ug/L		93	1 - 234
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	18 - 190
1,2-Dichloroethane	20.0	19.1		ug/L		96	49 - 155
1,2-Dichloropropane	20.0	18.4		ug/L		92	1 - 210
1,3-Dichlorobenzene	20.0	19.3		ug/L		97	59 - 156
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	18 - 190
2-Chloroethyl vinyl ether	20.0	17.0	J	ug/L		85	1 - 305
Benzene	20.0	19.6		ug/L		98	37 - 151
Bromodichloromethane	20.0	18.1		ug/L		91	35 - 155
Bromoform	20.0	17.4		ug/L		87	45 - 169
Bromomethane	20.0	24.4		ug/L		122	1 - 242
Carbon tetrachloride	20.0	18.1		ug/L		91	70 - 140
Chlorobenzene	20.0	19.1		ug/L		96	37 - 160
Chloroethane	20.0	22.3		ug/L		111	14 - 230
Chloroform	20.0	19.4		ug/L		97	51 - 138
Chloromethane	20.0	19.2		ug/L		96	1 - 273
cis-1,2-Dichloroethene	20.0	19.6		ug/L		98	
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	1 - 227
Dibromochloromethane	20.0	18.3		ug/L		91	53 - 149
Dichlorodifluoromethane	20.0	17.2		ug/L		86	
Ethylbenzene	20.0	20.1		ug/L		100	37 - 162
Methylene Chloride	20.0	18.4		ug/L		92	1 - 221
m-Xylene & p-Xylene	20.0	19.5		ug/L		97	79 - 120
o-Xylene	20.0	20.8		ug/L		104	79 - 120
Tetrachloroethene	20.0	18.5		ug/L		92	64 - 148
Toluene	20.0	19.5		ug/L		98	47 - 150
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	54 - 156
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	17 - 183
Trichloroethene	20.0	19.0		ug/L		95	71 - 157
Trichlorofluoromethane	20.0	18.8		ug/L		94	17 - 181
Vinyl chloride	20.0	18.4		ug/L		92	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*
4-Bromofluorobenzene (Surr)	*101*		*69 - 121*
Toluene-d8 (Surr)	*101*		*70 - 123*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-206499/1-A
Matrix: Water
Analysis Batch: 207036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/08/14 08:55	10/09/14 13:26	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-206499/1-A
Matrix: Water
Analysis Batch: 207036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/08/14 08:55	10/09/14 13:26	1
Arsenic	ND		0.015	0.0056	mg/L		10/08/14 08:55	10/09/14 13:26	1
Barium	ND		0.0020	0.00070	mg/L		10/08/14 08:55	10/09/14 13:26	1
Beryllium	ND		0.0020	0.00030	mg/L		10/08/14 08:55	10/09/14 13:26	1
Boron	ND		0.020	0.0040	mg/L		10/08/14 08:55	10/09/14 13:26	1
Cadmium	ND		0.0020	0.00050	mg/L		10/08/14 08:55	10/09/14 13:26	1
Calcium	ND		0.50	0.10	mg/L		10/08/14 08:55	10/09/14 13:26	1
Chromium	ND		0.0040	0.0010	mg/L		10/08/14 08:55	10/09/14 13:26	1
Copper	ND		0.010	0.0016	mg/L		10/08/14 08:55	10/09/14 13:26	1
Iron	0.0326	J	0.050	0.019	mg/L		10/08/14 08:55	10/09/14 13:26	1
Lead	ND		0.010	0.0030	mg/L		10/08/14 08:55	10/09/14 13:26	1
Magnesium	ND		0.20	0.043	mg/L		10/08/14 08:55	10/09/14 13:26	1
Manganese	ND		0.0030	0.00040	mg/L		10/08/14 08:55	10/09/14 13:26	1
Nickel	ND		0.010	0.0013	mg/L		10/08/14 08:55	10/09/14 13:26	1
Potassium	ND		0.50	0.10	mg/L		10/08/14 08:55	10/09/14 13:26	1
Selenium	ND		0.025	0.0087	mg/L		10/08/14 08:55	10/09/14 13:26	1
Silver	ND		0.0060	0.0017	mg/L		10/08/14 08:55	10/09/14 13:26	1
Sodium	ND		1.0	0.32	mg/L		10/08/14 08:55	10/09/14 13:26	1
Thallium	ND		0.020	0.010	mg/L		10/08/14 08:55	10/09/14 13:26	1
Zinc	0.00455	J	0.010	0.0015	mg/L		10/08/14 08:55	10/09/14 13:26	1

Lab Sample ID: LCS 480-206499/2-A
Matrix: Water
Analysis Batch: 206924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	8.95		mg/L		89	80 - 120
Antimony	0.200	0.192		mg/L		96	80 - 120
Arsenic	0.201	0.184		mg/L		92	80 - 120
Barium	0.200	0.217		mg/L		108	80 - 120
Beryllium	0.201	0.197		mg/L		98	80 - 120
Cadmium	0.201	0.188		mg/L		94	80 - 120
Chromium	0.201	0.188		mg/L		94	80 - 120
Copper	0.201	0.214		mg/L		107	80 - 120
Iron	10.0	9.07		mg/L		91	80 - 120
Lead	0.201	0.187		mg/L		93	80 - 120
Magnesium	10.0	10.2		mg/L		101	80 - 120
Manganese	0.201	0.202		mg/L		101	80 - 120
Nickel	0.201	0.183		mg/L		91	80 - 120
Potassium	10.0	9.25		mg/L		92	80 - 120
Selenium	0.201	0.189		mg/L		94	80 - 120
Silver	0.0500	0.0528		mg/L		106	80 - 120
Sodium	10.0	9.32		mg/L		93	80 - 120
Zinc	0.201	0.206		mg/L		103	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-206499/2-A
Matrix: Water
Analysis Batch: 207036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.200	0.201		mg/L		100	80 - 120
Calcium	10.0	9.78		mg/L		98	80 - 120
Thallium	0.200	0.206		mg/L		103	80 - 120

Lab Sample ID: MB 480-206494/1-A
Matrix: Water
Analysis Batch: 206785

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 206494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/08/14 08:57	10/08/14 23:14	1
Antimony	ND		0.020	0.0068	mg/L		10/08/14 08:57	10/08/14 23:14	1
Arsenic	ND		0.015	0.0056	mg/L		10/08/14 08:57	10/08/14 23:14	1
Barium	ND		0.0020	0.00070	mg/L		10/08/14 08:57	10/08/14 23:14	1
Beryllium	ND		0.0020	0.00030	mg/L		10/08/14 08:57	10/08/14 23:14	1
Cadmium	ND		0.0020	0.00050	mg/L		10/08/14 08:57	10/08/14 23:14	1
Calcium	ND		0.50	0.10	mg/L		10/08/14 08:57	10/08/14 23:14	1
Chromium	ND		0.0040	0.0010	mg/L		10/08/14 08:57	10/08/14 23:14	1
Copper	0.00182	J	0.010	0.0016	mg/L		10/08/14 08:57	10/08/14 23:14	1
Iron	ND		0.050	0.019	mg/L		10/08/14 08:57	10/08/14 23:14	1
Lead	ND		0.010	0.0030	mg/L		10/08/14 08:57	10/08/14 23:14	1
Magnesium	ND		0.20	0.043	mg/L		10/08/14 08:57	10/08/14 23:14	1
Manganese	ND		0.0030	0.00040	mg/L		10/08/14 08:57	10/08/14 23:14	1
Nickel	ND		0.010	0.0013	mg/L		10/08/14 08:57	10/08/14 23:14	1
Potassium	ND		0.50	0.10	mg/L		10/08/14 08:57	10/08/14 23:14	1
Selenium	ND		0.025	0.0087	mg/L		10/08/14 08:57	10/08/14 23:14	1
Silver	ND		0.0060	0.0017	mg/L		10/08/14 08:57	10/08/14 23:14	1
Thallium	ND		0.020	0.010	mg/L		10/08/14 08:57	10/08/14 23:14	1
Zinc	0.00545	J	0.010	0.0015	mg/L		10/08/14 08:57	10/08/14 23:14	1

Lab Sample ID: MB 480-206494/1-A
Matrix: Water
Analysis Batch: 207038

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 206494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0104	J	0.020	0.0040	mg/L		10/08/14 08:57	10/09/14 14:13	1
Sodium	ND		1.0	0.32	mg/L		10/08/14 08:57	10/09/14 14:13	1

Lab Sample ID: LCS 480-206494/2-A
Matrix: Water
Analysis Batch: 206785

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 206494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	8.81		mg/L		88	80 - 120
Antimony	0.200	0.191		mg/L		96	80 - 120
Arsenic	0.201	0.181		mg/L		90	80 - 120
Barium	0.200	0.213		mg/L		106	80 - 120
Beryllium	0.201	0.192		mg/L		96	80 - 120
Cadmium	0.201	0.185		mg/L		92	80 - 120
Calcium	10.0	8.46		mg/L		84	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-206494/2-A
Matrix: Water
Analysis Batch: 206785

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 206494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.201	0.182		mg/L		91	80 - 120
Copper	0.201	0.201		mg/L		100	80 - 120
Iron	10.0	8.88		mg/L		89	80 - 120
Lead	0.201	0.182		mg/L		91	80 - 120
Magnesium	10.0	9.86		mg/L		99	80 - 120
Manganese	0.201	0.198		mg/L		99	80 - 120
Nickel	0.201	0.181		mg/L		90	80 - 120
Potassium	10.0	9.19		mg/L		92	80 - 120
Selenium	0.201	0.180		mg/L		90	80 - 120
Silver	0.0500	0.0513		mg/L		103	80 - 120
Thallium	0.200	0.199		mg/L		100	80 - 120
Zinc	0.201	0.196		mg/L		98	80 - 120

Lab Sample ID: LCS 480-206494/2-A
Matrix: Water
Analysis Batch: 207038

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 206494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.200	0.209		mg/L		104	80 - 120
Sodium	10.0	9.51		mg/L		95	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-206574/1-A
Matrix: Water
Analysis Batch: 206912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/08/14 10:50	10/09/14 11:15	1

Lab Sample ID: LCS 480-206574/2-A
Matrix: Water
Analysis Batch: 206912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00712		mg/L		107	80 - 120

Lab Sample ID: MB 480-207374/1-A
Matrix: Water
Analysis Batch: 207557

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207374

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/13/14 08:55	10/13/14 13:32	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-207374/2-A
Matrix: Water
Analysis Batch: 207557

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207374

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00710		mg/L		106	80 - 120

Lab Sample ID: 480-68692-1 MS
Matrix: Ground Water
Analysis Batch: 207557

Client Sample ID: PZ-14-5
Prep Type: Dissolved
Prep Batch: 207374

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00685		mg/L		103	80 - 120

Lab Sample ID: 480-68692-1 MSD
Matrix: Ground Water
Analysis Batch: 207557

Client Sample ID: PZ-14-5
Prep Type: Dissolved
Prep Batch: 207374

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00675		mg/L		101	80 - 120	1	20

Method: 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 480-206480/3
Matrix: Water
Analysis Batch: 206480

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	ND		1.0	1.0	NTU			10/07/14 23:00	1

Lab Sample ID: 480-68692-1 DU
Matrix: Ground Water
Analysis Batch: 206480

Client Sample ID: PZ-14-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Turbidity	240		247		NTU		3	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-150879/27
Matrix: Water
Analysis Batch: 150879

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.41	mg/L			10/10/14 01:10	1
Sulfate	ND		2.0	0.13	mg/L			10/10/14 01:10	1

Lab Sample ID: LCS 240-150879/28
Matrix: Water
Analysis Batch: 150879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.7		mg/L		95	90 - 110
Sulfate	50.0	47.3		mg/L		95	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-68692-1 MS
Matrix: Ground Water
Analysis Batch: 150879

Client Sample ID: PZ-14-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	79		50.0	128		mg/L		98	80 - 120
Sulfate	30		50.0	80.2		mg/L		100	80 - 120

Lab Sample ID: 480-68692-1 MSD
Matrix: Ground Water
Analysis Batch: 150879

Client Sample ID: PZ-14-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	79		50.0	123		mg/L		88	80 - 120	4	20
Sulfate	30		50.0	77.2		mg/L		94	80 - 120	4	20

Method: 310.2 - Alkalinity

Lab Sample ID: MB 480-207719/185
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10	4.0	mg/L			10/14/14 15:04	1

Lab Sample ID: MB 480-207719/192
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10	4.0	mg/L			10/14/14 15:06	1

Lab Sample ID: MB 480-207719/203
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	4.00	J	10	4.0	mg/L			10/14/14 15:17	1

Lab Sample ID: LCS 480-207719/186
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	51.4		mg/L		103	90 - 110

Lab Sample ID: LCS 480-207719/193
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	51.0		mg/L		102	90 - 110

Method: 310.2 - Alkalinity (Continued)

Lab Sample ID: LCS 480-207719/204
Matrix: Water
Analysis Batch: 207719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	50.2		mg/L		100	90 - 110

Lab Sample ID: MB 480-207973/12
Matrix: Water
Analysis Batch: 207973

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	5.07	J	10	4.0	mg/L			10/15/14 08:34	1

Lab Sample ID: MB 480-207973/26
Matrix: Water
Analysis Batch: 207973

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	4.34	J	10	4.0	mg/L			10/15/14 08:38	1

Lab Sample ID: LCS 480-207973/13
Matrix: Water
Analysis Batch: 207973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	52.6		mg/L		105	90 - 110

Lab Sample ID: LCS 480-207973/27
Matrix: Water
Analysis Batch: 207973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	51.5		mg/L		103	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-206737/123
Matrix: Water
Analysis Batch: 206737

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			10/09/14 00:39	1

Lab Sample ID: MB 480-206737/3
Matrix: Water
Analysis Batch: 206737

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.00905	J	0.020	0.0090	mg/L			10/08/14 22:54	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 480-206737/75
Matrix: Water
Analysis Batch: 206737

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0111	J	0.020	0.0090	mg/L			10/08/14 23:56	1

Lab Sample ID: MB 480-206737/99
Matrix: Water
Analysis Batch: 206737

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.00994	J	0.020	0.0090	mg/L			10/09/14 00:18	1

Lab Sample ID: LCS 480-206737/100
Matrix: Water
Analysis Batch: 206737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.990		mg/L		99	90 - 110

Lab Sample ID: LCS 480-206737/124
Matrix: Water
Analysis Batch: 206737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.989		mg/L		99	90 - 110

Lab Sample ID: LCS 480-206737/4
Matrix: Water
Analysis Batch: 206737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.997		mg/L		100	90 - 110

Lab Sample ID: LCS 480-206737/76
Matrix: Water
Analysis Batch: 206737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.990		mg/L		99	90 - 110

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-206899/1-A
Matrix: Water
Analysis Batch: 207003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		10/09/14 09:14	10/09/14 18:23	1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 480-206899/2-A
Matrix: Water
Analysis Batch: 207003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.59		mg/L		104	90 - 110

Method: 410.4 - COD

Lab Sample ID: MB 480-208155/27
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	8.34	J	10	5.0	mg/L			10/16/14 09:12	1

Lab Sample ID: MB 480-208155/3
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	5.0	mg/L			10/16/14 09:12	1

Lab Sample ID: MB 480-208155/51
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	7.37	J	10	5.0	mg/L			10/16/14 09:12	1

Lab Sample ID: LCS 480-208155/28
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	26.7		mg/L		107	90 - 110

Lab Sample ID: LCS 480-208155/4
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	25.1		mg/L		100	90 - 110

Lab Sample ID: LCS 480-208155/52
Matrix: Water
Analysis Batch: 208155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	22.5		mg/L		90	90 - 110

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-206384/3
Matrix: Water
Analysis Batch: 206384

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.010	0.0050	mg/L			10/07/14 11:08	1

Lab Sample ID: LCS 480-206384/4
Matrix: Water
Analysis Batch: 206384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.0500	0.0520		mg/L		104	85 - 115

Lab Sample ID: 480-68692-2 MS
Matrix: Ground Water
Analysis Batch: 206384

Client Sample ID: PZ-14-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	ND		0.0500	0.103	F1	mg/L		205	85 - 115

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-207517/1-A
Matrix: Water
Analysis Batch: 207541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 207517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	^	0.010	0.0050	mg/L		10/13/14 15:25	10/13/14 22:41	1

Lab Sample ID: LCS 480-207517/2-A
Matrix: Water
Analysis Batch: 207541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.232		mg/L		93	90 - 110

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-207429/27
Matrix: Water
Analysis Batch: 207429

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/12/14 04:47	1

Lab Sample ID: LCS 480-207429/28
Matrix: Water
Analysis Batch: 207429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	60.8		mg/L		101	90 - 110

Method: 9066 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-206888/1-A
Matrix: Water
Analysis Batch: 207542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/09/14 09:30	10/13/14 19:12	1

Lab Sample ID: LCS 480-206888/2-A
Matrix: Water
Analysis Batch: 207542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.106		mg/L		106	90 - 110

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 480-206725/3
Matrix: Water
Analysis Batch: 206725

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.0	5.0	Color Units			10/07/14 23:20	1

Lab Sample ID: LCS 480-206725/4
Matrix: Water
Analysis Batch: 206725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Color	30.0	30.0		Color Units		100	90 - 110

Lab Sample ID: 480-68692-1 DU
Matrix: Ground Water
Analysis Batch: 206725

Client Sample ID: PZ-14-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Color	ND		ND		Color Units		NC	20

Method: SM 2340C - Hardness, Total (mg/l as CaC03)

Lab Sample ID: MB 480-206969/51
Matrix: Water
Analysis Batch: 206969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness	ND		2.0	0.53	mg/L			10/09/14 11:55	1

Lab Sample ID: MB 480-206969/75
Matrix: Water
Analysis Batch: 206969

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness	ND		2.0	0.53	mg/L			10/09/14 11:55	1

Method: SM 2340C - Hardness, Total (mg/l as CaC03) (Continued)

Lab Sample ID: LCS 480-206969/52
Matrix: Water
Analysis Batch: 206969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness	298	288		mg/L		97	90 - 110

Lab Sample ID: LCS 480-206969/76
Matrix: Water
Analysis Batch: 206969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness	298	284		mg/L		95	90 - 110

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-207217/1
Matrix: Water
Analysis Batch: 207217

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	4.0	mg/L			10/10/14 23:57	1

Lab Sample ID: LCS 480-207217/2
Matrix: Water
Analysis Batch: 207217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	500		mg/L		99	85 - 115

Lab Sample ID: MB 480-207341/1
Matrix: Water
Analysis Batch: 207341

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	4.0	mg/L			10/13/14 00:14	1

Lab Sample ID: LCS 480-207341/2
Matrix: Water
Analysis Batch: 207341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	512		mg/L		102	85 - 115

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-206522/1
Matrix: Water
Analysis Batch: 206522

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/14 23:53	1

Method: SM 5210B - BOD, 5-Day (Continued)

Lab Sample ID: LCS 480-206522/2
Matrix: Water
Analysis Batch: 206522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	215		mg/L		109	85 - 115

Lab Sample ID: 480-68692-2 DU
Matrix: Ground Water
Analysis Batch: 206522

Client Sample ID: PZ-14-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	ND		5.02		mg/L		NC	20

QC Association Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

GC/MS VOA

Analysis Batch: 206699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	624	
480-68692-2	PZ-14-3	Total/NA	Ground Water	624	
480-68692-3	TB1	Total/NA	Water	624	
LCS 480-206699/6	Lab Control Sample	Total/NA	Water	624	
MB 480-206699/8	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 206494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Dissolved	Ground Water	3005A	
480-68692-2	PZ-14-3	Dissolved	Ground Water	3005A	
LCS 480-206494/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 480-206494/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 206499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	3005A	
480-68692-2	PZ-14-3	Total/NA	Ground Water	3005A	
LCS 480-206499/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-206499/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 206574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	7470A	
480-68692-2	PZ-14-3	Total/NA	Ground Water	7470A	
LCS 480-206574/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-206574/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 206785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Dissolved	Ground Water	6010C	206494
480-68692-2	PZ-14-3	Dissolved	Ground Water	6010C	206494
LCS 480-206494/2-A	Lab Control Sample	Total Recoverable	Water	6010C	206494
MB 480-206494/1-A	Method Blank	Total Recoverable	Water	6010C	206494

Analysis Batch: 206912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	7470A	206574
480-68692-2	PZ-14-3	Total/NA	Ground Water	7470A	206574
LCS 480-206574/2-A	Lab Control Sample	Total/NA	Water	7470A	206574
MB 480-206574/1-A	Method Blank	Total/NA	Water	7470A	206574

Analysis Batch: 206924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	6010C	206499
480-68692-2	PZ-14-3	Total/NA	Ground Water	6010C	206499
LCS 480-206499/2-A	Lab Control Sample	Total/NA	Water	6010C	206499

QC Association Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Metals (Continued)

Analysis Batch: 207036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	6010C	206499
480-68692-2	PZ-14-3	Total/NA	Ground Water	6010C	206499
LCS 480-206499/2-A	Lab Control Sample	Total/NA	Water	6010C	206499
MB 480-206499/1-A	Method Blank	Total/NA	Water	6010C	206499

Analysis Batch: 207038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Dissolved	Ground Water	6010C	206494
480-68692-2	PZ-14-3	Dissolved	Ground Water	6010C	206494
LCS 480-206494/2-A	Lab Control Sample	Total Recoverable	Water	6010C	206494
MB 480-206494/1-A	Method Blank	Total Recoverable	Water	6010C	206494

Prep Batch: 207374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Dissolved	Ground Water	7470A	
480-68692-1 MS	PZ-14-5	Dissolved	Ground Water	7470A	
480-68692-1 MSD	PZ-14-5	Dissolved	Ground Water	7470A	
480-68692-2	PZ-14-3	Dissolved	Ground Water	7470A	
LCS 480-207374/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-207374/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 207557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Dissolved	Ground Water	7470A	207374
480-68692-1 MS	PZ-14-5	Dissolved	Ground Water	7470A	207374
480-68692-1 MSD	PZ-14-5	Dissolved	Ground Water	7470A	207374
480-68692-2	PZ-14-3	Dissolved	Ground Water	7470A	207374
LCS 480-207374/2-A	Lab Control Sample	Total/NA	Water	7470A	207374
MB 480-207374/1-A	Method Blank	Total/NA	Water	7470A	207374

General Chemistry

Analysis Batch: 150879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	300.0	
480-68692-1 MS	PZ-14-5	Total/NA	Ground Water	300.0	
480-68692-1 MSD	PZ-14-5	Total/NA	Ground Water	300.0	
480-68692-2	PZ-14-3	Total/NA	Ground Water	300.0	
LCS 240-150879/28	Lab Control Sample	Total/NA	Water	300.0	
MB 240-150879/27	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 206384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	7196A	
480-68692-2	PZ-14-3	Total/NA	Ground Water	7196A	
480-68692-2 MS	PZ-14-3	Total/NA	Ground Water	7196A	
LCS 480-206384/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-206384/3	Method Blank	Total/NA	Water	7196A	

QC Association Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

General Chemistry (Continued)

Analysis Batch: 206477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	353.2	
480-68692-2	PZ-14-3	Total/NA	Ground Water	353.2	

Analysis Batch: 206480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	180.1	
480-68692-1 DU	PZ-14-5	Total/NA	Ground Water	180.1	
480-68692-2	PZ-14-3	Total/NA	Ground Water	180.1	
LCS 480-206480/4	Lab Control Sample	Total/NA	Water	180.1	
MB 480-206480/3	Method Blank	Total/NA	Water	180.1	

Analysis Batch: 206522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	SM 5210B	
480-68692-2	PZ-14-3	Total/NA	Ground Water	SM 5210B	
480-68692-2 DU	PZ-14-3	Total/NA	Ground Water	SM 5210B	
LCS 480-206522/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-206522/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 206725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	SM 2120B	
480-68692-1 DU	PZ-14-5	Total/NA	Ground Water	SM 2120B	
480-68692-2	PZ-14-3	Total/NA	Ground Water	SM 2120B	
LCS 480-206725/4	Lab Control Sample	Total/NA	Water	SM 2120B	
MB 480-206725/3	Method Blank	Total/NA	Water	SM 2120B	

Analysis Batch: 206737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	350.1	
480-68692-2	PZ-14-3	Total/NA	Ground Water	350.1	
LCS 480-206737/100	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-206737/124	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-206737/4	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-206737/76	Lab Control Sample	Total/NA	Water	350.1	
MB 480-206737/123	Method Blank	Total/NA	Water	350.1	
MB 480-206737/3	Method Blank	Total/NA	Water	350.1	
MB 480-206737/75	Method Blank	Total/NA	Water	350.1	
MB 480-206737/99	Method Blank	Total/NA	Water	350.1	

Prep Batch: 206888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	Distill/Phenol	
480-68692-2	PZ-14-3	Total/NA	Ground Water	Distill/Phenol	
LCS 480-206888/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-206888/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Prep Batch: 206899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	351.2	
480-68692-2	PZ-14-3	Total/NA	Ground Water	351.2	

General Chemistry (Continued)

Prep Batch: 206899 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-206899/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-206899/1-A	Method Blank	Total/NA	Water	351.2	

Analysis Batch: 206969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	SM 2340C	
480-68692-2	PZ-14-3	Total/NA	Ground Water	SM 2340C	
LCS 480-206969/52	Lab Control Sample	Total/NA	Water	SM 2340C	
LCS 480-206969/76	Lab Control Sample	Total/NA	Water	SM 2340C	
MB 480-206969/51	Method Blank	Total/NA	Water	SM 2340C	
MB 480-206969/75	Method Blank	Total/NA	Water	SM 2340C	

Analysis Batch: 207003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	351.2	206899
480-68692-2	PZ-14-3	Total/NA	Ground Water	351.2	206899
LCS 480-206899/2-A	Lab Control Sample	Total/NA	Water	351.2	206899
MB 480-206899/1-A	Method Blank	Total/NA	Water	351.2	206899

Analysis Batch: 207217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	SM 2540C	
LCS 480-207217/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-207217/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 207341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-2	PZ-14-3	Total/NA	Ground Water	SM 2540C	
LCS 480-207341/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-207341/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 207429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	9060A	
480-68692-2	PZ-14-3	Total/NA	Ground Water	9060A	
LCS 480-207429/28	Lab Control Sample	Total/NA	Water	9060A	
MB 480-207429/27	Method Blank	Total/NA	Water	9060A	

Prep Batch: 207517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	9012B	
480-68692-2	PZ-14-3	Total/NA	Ground Water	9012B	
LCS 480-207517/2-A	Lab Control Sample	Total/NA	Water	9012B	
MB 480-207517/1-A	Method Blank	Total/NA	Water	9012B	

Analysis Batch: 207541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	9012B	207517
480-68692-2	PZ-14-3	Total/NA	Ground Water	9012B	207517
LCS 480-207517/2-A	Lab Control Sample	Total/NA	Water	9012B	207517
MB 480-207517/1-A	Method Blank	Total/NA	Water	9012B	207517

General Chemistry (Continued)

Analysis Batch: 207542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	9066	206888
480-68692-2	PZ-14-3	Total/NA	Ground Water	9066	206888
LCS 480-206888/2-A	Lab Control Sample	Total/NA	Water	9066	206888
MB 480-206888/1-A	Method Blank	Total/NA	Water	9066	206888

Analysis Batch: 207719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	310.2	
LCS 480-207719/186	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-207719/193	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-207719/204	Lab Control Sample	Total/NA	Water	310.2	
MB 480-207719/185	Method Blank	Total/NA	Water	310.2	
MB 480-207719/192	Method Blank	Total/NA	Water	310.2	
MB 480-207719/203	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 207973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-2	PZ-14-3	Total/NA	Ground Water	310.2	
LCS 480-207973/13	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-207973/27	Lab Control Sample	Total/NA	Water	310.2	
MB 480-207973/12	Method Blank	Total/NA	Water	310.2	
MB 480-207973/26	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 208155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68692-1	PZ-14-5	Total/NA	Ground Water	410.4	
480-68692-2	PZ-14-3	Total/NA	Ground Water	410.4	
LCS 480-208155/28	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-208155/4	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-208155/52	Lab Control Sample	Total/NA	Water	410.4	
MB 480-208155/27	Method Blank	Total/NA	Water	410.4	
MB 480-208155/3	Method Blank	Total/NA	Water	410.4	
MB 480-208155/51	Method Blank	Total/NA	Water	410.4	

Lab Chronicle

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: PZ-14-5

Lab Sample ID: 480-68692-1

Date Collected: 10/06/14 12:55

Matrix: Ground Water

Date Received: 10/07/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	206699	10/09/14 04:19	ABF	TAL BUF
Dissolved	Prep	3005A			206494	10/08/14 08:57	SLB	TAL BUF
Dissolved	Analysis	6010C		1	206785	10/08/14 23:45	LMH	TAL BUF
Dissolved	Prep	3005A			206494	10/08/14 08:57	SLB	TAL BUF
Dissolved	Analysis	6010C		1	207038	10/09/14 14:19	LMH	TAL BUF
Total/NA	Prep	3005A			206499	10/08/14 08:55	SLB	TAL BUF
Total/NA	Analysis	6010C		1	206924	10/08/14 19:13	AMH	TAL BUF
Total/NA	Prep	3005A			206499	10/08/14 08:55	SLB	TAL BUF
Total/NA	Analysis	6010C		1	207036	10/09/14 13:47	AMH	TAL BUF
Dissolved	Prep	7470A			207374	10/13/14 08:55	LRK	TAL BUF
Dissolved	Analysis	7470A		1	207557	10/13/14 13:40	LRK	TAL BUF
Total/NA	Prep	7470A			206574	10/08/14 10:50	LRK	TAL BUF
Total/NA	Analysis	7470A		1	206912	10/09/14 11:27	LRK	TAL BUF
Total/NA	Analysis	180.1		1	206480	10/07/14 23:00	CLT	TAL BUF
Total/NA	Analysis	300.0		1	150879	10/10/14 01:49	JMB	TAL CAN
Total/NA	Analysis	310.2		10	207719	10/14/14 15:18	NCH	TAL BUF
Total/NA	Analysis	350.1		10	206737	10/08/14 23:04	RS	TAL BUF
Total/NA	Prep	351.2			206899	10/09/14 09:14	LAW	TAL BUF
Total/NA	Analysis	351.2		5	207003	10/10/14 04:00	CLT	TAL BUF
Total/NA	Analysis	353.2		1	206477	10/07/14 21:59	RS	TAL BUF
Total/NA	Analysis	410.4		1	208155	10/16/14 09:12	KMF	TAL BUF
Total/NA	Analysis	7196A		1	206384	10/07/14 11:08	NCH	TAL BUF
Total/NA	Prep	9012B			207517	10/13/14 15:25	MDL	TAL BUF
Total/NA	Analysis	9012B		1	207541	10/13/14 22:55	RS	TAL BUF
Total/NA	Analysis	9060A		1	207429	10/12/14 08:34	MRF	TAL BUF
Total/NA	Prep	Distill/Phenol			206888	10/09/14 09:30	MRF	TAL BUF
Total/NA	Analysis	9066		1	207542	10/13/14 20:36	JMB	TAL BUF
Total/NA	Analysis	SM 2120B		1	206725	10/07/14 23:20	RS	TAL BUF
Total/NA	Analysis	SM 2340C		1	206969	10/09/14 11:55	KMF	TAL BUF
Total/NA	Analysis	SM 2540C		1	207217	10/10/14 23:57	JMB	TAL BUF
Total/NA	Analysis	SM 5210B		1	206522	10/07/14 23:53	LAW	TAL BUF

Client Sample ID: PZ-14-3

Lab Sample ID: 480-68692-2

Date Collected: 10/06/14 11:25

Matrix: Ground Water

Date Received: 10/07/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	206699	10/09/14 04:44	ABF	TAL BUF
Dissolved	Prep	3005A			206494	10/08/14 08:57	SLB	TAL BUF
Dissolved	Analysis	6010C		1	206785	10/08/14 23:47	LMH	TAL BUF
Dissolved	Prep	3005A			206494	10/08/14 08:57	SLB	TAL BUF
Dissolved	Analysis	6010C		1	207038	10/09/14 14:29	LMH	TAL BUF

Lab Chronicle

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Client Sample ID: PZ-14-3

Lab Sample ID: 480-68692-2

Date Collected: 10/06/14 11:25

Matrix: Ground Water

Date Received: 10/07/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			206499	10/08/14 08:55	SLB	TAL BUF
Total/NA	Analysis	6010C		1	206924	10/08/14 19:15	AMH	TAL BUF
Total/NA	Prep	3005A			206499	10/08/14 08:55	SLB	TAL BUF
Total/NA	Analysis	6010C		1	207036	10/09/14 13:57	AMH	TAL BUF
Dissolved	Prep	7470A			207374	10/13/14 08:55	LRK	TAL BUF
Dissolved	Analysis	7470A		1	207557	10/13/14 13:47	LRK	TAL BUF
Total/NA	Prep	7470A			206574	10/08/14 10:50	LRK	TAL BUF
Total/NA	Analysis	7470A		1	206912	10/09/14 11:29	LRK	TAL BUF
Total/NA	Analysis	180.1		1	206480	10/07/14 23:00	CLT	TAL BUF
Total/NA	Analysis	300.0		1	150879	10/10/14 02:47	JMB	TAL CAN
Total/NA	Analysis	310.2		10	207973	10/15/14 08:45	NCH	TAL BUF
Total/NA	Analysis	350.1		5	206737	10/09/14 00:43	RS	TAL BUF
Total/NA	Prep	351.2			206899	10/09/14 09:14	LAW	TAL BUF
Total/NA	Analysis	351.2		2	207003	10/10/14 04:00	CLT	TAL BUF
Total/NA	Analysis	353.2		1	206477	10/07/14 22:00	RS	TAL BUF
Total/NA	Analysis	410.4		1	208155	10/16/14 09:12	KMF	TAL BUF
Total/NA	Analysis	7196A		1	206384	10/07/14 11:08	NCH	TAL BUF
Total/NA	Prep	9012B			207517	10/13/14 15:25	MDL	TAL BUF
Total/NA	Analysis	9012B		1	207541	10/13/14 22:56	RS	TAL BUF
Total/NA	Analysis	9060A		1	207429	10/12/14 09:02	MRF	TAL BUF
Total/NA	Prep	Distill/Phenol			206888	10/09/14 09:30	MRF	TAL BUF
Total/NA	Analysis	9066		1	207542	10/13/14 20:36	JMB	TAL BUF
Total/NA	Analysis	SM 2120B		1	206725	10/07/14 23:20	RS	TAL BUF
Total/NA	Analysis	SM 2340C		1	206969	10/09/14 11:55	KMF	TAL BUF
Total/NA	Analysis	SM 2540C		1	207341	10/13/14 00:14	VAJ	TAL BUF
Total/NA	Analysis	SM 5210B		1	206522	10/07/14 23:53	LAW	TAL BUF

Client Sample ID: TB1

Lab Sample ID: 480-68692-3

Date Collected: 10/06/14 00:00

Matrix: Water

Date Received: 10/07/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	206699	10/09/14 05:09	ABF	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-15
California	State Program	9	1169CA	09-30-14 *
Connecticut	State Program	1	PH-0568	09-30-14 *
Florida	NELAP	4	E87672	06-30-15
Georgia	State Program	4	N/A	03-31-15
Georgia	State Program	4	956	03-31-15
Illinois	NELAP	5	200003	09-30-14 *
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-15
Kentucky (DW)	State Program	4	90029	12-31-14
Kentucky (UST)	State Program	4	30	03-31-15
Louisiana	NELAP	6	02031	06-30-14 *
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-15
Massachusetts	State Program	1	M-NY044	06-30-15
Michigan	State Program	5	9937	03-31-15
Minnesota	NELAP	5	036-999-337	12-31-14
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-15
New York	NELAP	2	10026	03-31-15
North Dakota	State Program	8	R-176	03-31-14 *
Oklahoma	State Program	6	9421	08-31-15
Oregon	NELAP	10	NY200003	06-09-15
Pennsylvania	NELAP	3	68-00281	07-31-15
Rhode Island	State Program	1	LAO00328	12-30-14
Tennessee	State Program	4	TN02970	03-31-15
Texas	NELAP	6	T104704412-11-2	07-31-15
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-15
Washington	State Program	10	C784	02-10-15
West Virginia DEP	State Program	3	252	09-30-14 *
Wisconsin	State Program	5	998310390	08-31-15

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15

* Certification renewal pending - certification considered valid.

Certification Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Laboratory: TestAmerica Canton (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

Method Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
180.1	Turbidity, Nephelometric	MCAWW	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL CAN
310.2	Alkalinity	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
410.4	COD	MCAWW	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
9066	Phenolics, Total Recoverable	SW846	TAL BUF
SM 2120B	Color, Colorimetric	SM	TAL BUF
SM 2340C	Hardness, Total (mg/l as CaC03)	SM	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-68692-1	PZ-14-5	Ground Water	10/06/14 12:55	10/07/14 09:00
480-68692-2	PZ-14-3	Ground Water	10/06/14 11:25	10/07/14 09:00
480-68692-3	TB1	Water	10/06/14 00:00	10/07/14 09:00

Detection Limit Exceptions Summary

Client: Sterling Environmental Engineering PC
Project/Site: Orange County Landfill

TestAmerica Job ID: 480-68692-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
300.0	Ground Water	Chloride	mg/L	0.50	1

TestAmerica Bu
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600

480-68692 Chain of Custody

Chain of Custody Record

039837

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Mark Williams	Site Contact: Cody Sawyer	Date: 10/6/14	COC No:
Company Name: Sterling Env. Eng, PC	Tel/Fax:	Lab Contact:	Carrier:	1 of 1 COCs
Address: 24 Wade Road	Analysis Turnaround Time			Sampler:
City/State/Zip: Latham NY 12110	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 518-456-4906	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Orange County Landfill	☒ 1 week 5 days			
Site:	☐ 2 days			Job / SDG No.:
PO# 2010-15	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Chloride, Sulfate	COD, TKN, Ammonia	Baseline Metals	Mercury, Hardness	Phenolics, TOC	BOD, TDS, Cyanide	Volatile Organics	Nitrite, Nitrate	Color, Turbidity	Hexavalent Chromium	Alkalinity	Sample Specific Notes:
PZ-14-5	10/6		G	GW	18			X	X	X	X	X	X	X	X	X	X	X	
PZ-14-3	10/6		G	GW	18			X	X	X	X	X	X	X	X	X	X	X	

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☒ Archive for 1 Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]			[signature]	TAB	10-9-14 0900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

#2 3,8,3.9,4.2

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Login Sample Receipt Checklist

Client: Sterling Environmental Engineering PC

Job Number: 480-68692-1

Login Number: 68692
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No: No date or time on COC or containers
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	False	CR+6
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No: No date or time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	sterling
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	