



Cortland County Soil and Water Conservation District

100 Grange Place, Room 202, Cortland, NY 13045

Phone: (607) 756-5991 Fax: (607) 756-0029

www.cortlandswcd.org

SWCD...established to promote the conservation and wise use of our county's natural resources

February 25, 2015

Harry Warner,
NYSDEC - Division of Environmental Remediation
615 Erie Blvd. West
Syracuse, NY 13204-2400

Dear Mr. Warner:

Enclosed is the 2014 Quarter 3 environmental monitoring report for Cortland County's Towslee Landfill, also known as the Old Cortland County Landfill. Please contact our office at (607) 756-5991, or Phil Krey at (607) 753-9377, if you have any questions.

Sincerely,

Patrick Reidy
Water Quality Specialist

cc: Phil Krey, Cortland Co. Highway Dept.
James Gruppe, NYSDEC Region 7
Amanda Barber, SWCD/files

Environmental Monitoring Report

Quarter 3 2014

Towslee Landfill

Cortland County

NYSDEC Region 7

Prepared for

Cortland County Highway Department

Prepared by

Cortland County Soil and Water Conservation District

February 2015



TABLE OF CONTENTS

	<u>PAGE</u>
1. Introduction.....	1
2. Site History	1
3. Monitoring Schedule and Locations	2
4. Groundwater Monitoring	3
5. Surface Water Monitoring	7
6. Landfill Gas Testing	7
7. Quality Control	7

Figures

- 1 Monitoring Locations

Tables

- 1 Contraventions of Groundwater Quality Standards - Field/Inorganic Parameters
- 2 Contraventions of Groundwater Quality Standards - Metals
- 3 Contraventions of Groundwater Quality Standards - Organics
- 4 Contraventions of Surface Water Quality Standards - Field/Inorganic Parameters
- 5 Contraventions of Surface Water Quality Standards - Metals
- 6 Contraventions of Surface Water Quality Standards - Organics

Appendices

- A Analytical Laboratory Report
- B Historical Analytical Data
- C Historical Summary Tables for Contaminants of Concern (COCs)

1.0 Introduction

Cortland County is the current owner of the inactive Towslee Landfill located at the county's solid waste disposal site in the Towns of Cortlandville and Solon, near the center of the county. The Towslee Landfill has previously been called the Old County Landfill, and the Town Line Landfill. It is referred to as the Towslee Landfill in this report.

DEC requires environmental monitoring at Towslee Landfill. The monitoring follows the sampling and analysis plan prepared by Barton & Loguidice PC (B&L) in 2006. This report summarizes monitoring activities for Quarter 3 of 2014.

Figure 1 shows well locations monitored for this program, and the approximate limits of hazardous waste. Figure 1 also shows the surface water sampling locations that are tested as part of the monitoring of the active West Side Landfill, located adjacent to Towslee Landfill.

TestAmerica Laboratories, Inc. (herein referred to as TestAmerica) conducted all sample collection activities, and performed all laboratory analyses for Quarter 3 of 2014. Water quality analyses were conducted in accordance with 1998 Part 360 regulations. SWCD performed data management and analysis, and prepared this report.

2.0 Site History

Towslee Landfill is approximately thirty-six acres in size, and is part of a 540-acre parcel owned by Cortland County. Landfilling began onsite at Towslee in the 1940's by a private disposal company. The site was later leased to the City of Cortland for waste disposal operations in the 1960's. In 1972 Cortland County purchased the site from a private landowner and began landfilling operations in Towslee Landfill. This area was open for disposal until 1987 for municipal solid waste (MSW), and until 1992 for construction and demolition debris (C&D).

A Remedial Investigation/Feasibility Study (RI/FS) was conducted for Cortland County in accordance with NYSDEC Order on Consent #B7-0486-12-95, effective May 31, 1996. The Towslee Landfill was classified by NYSDEC as a Class 2 Inactive Hazardous Waste Site. The Remedial Investigation was completed in March 1998 and the Feasibility Study was completed in July 1998.

DEC issued a Record of Decision (ROD) in March 1999. Remedial activities at the landfill, which included landfill capping, were substantially completed in December 2001 and the Towslee Landfill was reclassified as a Class 4 Inactive Hazardous Waste Site, assigned No. 7-12-001.

The B&L Remedial Investigation concluded that in 1997 there was mild landfill leachate contamination of groundwater in the vicinity of Wells MW-2A/B and MW-7A. Very mild impacts from leachate contamination occurred in the vicinity of Well MW-1A. Groundwater contamination occurred primarily in the overburden, and extended downgradient of the site for a distance of about 450 feet.

Based on 1997 monitoring, B&L identified the following parameters that were indicative of mild leachate impacts to groundwater:

Conventionals - chloride, COD, ammonia, alkalinity, TKN, TOC, and hardness

Metals - aluminum, arsenic, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, potassium, sodium, vanadium, and zinc

3.0 Monitoring Schedule and Locations

3.1 Schedule

<u>Quarter</u>	<u>Analyses</u>	<u>Date Sampled</u>
First Quarter:	Routine	March 17-19, 2014
Second Quarter:	Routine	May 21, 2014
Third Quarter:	Baseline	September 15-16, 2014
Fourth Quarter:	Routine	-----

3.2 Groundwater Monitoring Locations

Monitoring wells for the Towslee monitoring program are listed below, and shown on Figure 1.

Upgradient	<u>Bedrock</u> CD-1RA	<u>Overburden</u> CD-1
Downgradient	<u>Bedrock</u> MW-1B MW-2B MW-3A MW-3B MW-4A MW-5A MW-6B	<u>Overburden</u> MW-1A MW-2A MW-6A MW-7A

4.0 Groundwater Monitoring Results

This section provides an evaluation of groundwater monitoring results for Quarter 3 of 2014. Appendix A contains the Quarter 3 laboratory analytical report.

In Section 4.1, groundwater quality data are compared to NYS water quality standards to assess current conditions.

In Section 4.2, water quality trends are evaluated.

4.1 Contraventions of Groundwater Quality Standards

This subsection compares 2014 groundwater quality data to NYS water quality standards. Tables 1, 2 and 3 summarize groundwater quality results for Quarter 3 for the Towslee wells. Available NYS water quality standards are included in these tables, and contraventions of standards are highlighted.

Results for most parameters in Quarter 3 of 2014 were below available water quality standards at all wells, although there continues to be evidence of mild landfill leachate contamination. Contraventions of standards are described below for the Towslee monitoring wells.

4.1.1 Conventional and Field Parameters

Turbidity – Turbidity exceeded the NYS standard of 5 NTU for both upgradient wells and all 11 downgradient wells in Quarter 3. Some of the turbidity levels are extremely high, and appear to be caused by disturbance during well purging prior to collecting samples.

Total Dissolved Solids (TDS) - The TDS standard of 500 mg/l was exceeded at MW-2B (817 mg/l), and MW-7A (649 mg/l). The TDS standard has been frequently exceeded in past monitoring at these wells.

Ammonia - The ammonia standard of 2 mg/l was exceeded at MW-2A (7.2 mg/l).

4.1.2 Metals

Standard procedure is to analyze metals from an unfiltered sample, representing the total metals concentration. Many metals preferentially bind to solids rather than exist in a dissolved phase. When turbidity in a sample is high, the total metals concentration in the sample may not represent the dissolved, mobile concentration actually present in groundwater. When turbidity exceeds 50 NTU, a filtered sample is also collected and analyzed to obtain a better measure of actual metals concentration in groundwater. During Quarter 3, six wells had turbidity above 50 NTU, and filtered samples were collected.

Total Arsenic - The NYS standard for arsenic is 0.025 mg/l. This was exceeded in an unfiltered sample for MW-6A (0.039 mg/l). Because of high turbidity a filtered sample was collected. Arsenic in the filtered sample was below the detection limit.

Total Barium - The NYS ambient groundwater quality standard for barium is 1 mg/l. This was slightly exceeded for MW-2B and MW-4A, but both results were below the state's drinking water standard of 2 mg/l.

Total Chromium - The NYS standard for chromium is 0.05 mg/l. This was exceeded in an unfiltered sample for MW-6A (0.052 mg/l). Chromium in a filtered sample was below the detection limit.

Total Iron - The NYS standard for iron is 0.3 mg/l. The standard was exceeded for both upgradient wells, and all 11 downgradient wells in Quarter 3. Iron levels in all six filtered samples were below the detection limit.

Total Lead - The lead standard is 0.015 mg/l, and was exceeded at upgradient well CD-1RA, and downgradient wells MW-6A, MW-6B and MW-7A. Lead concentrations in filtered samples for these wells were below the detection limit for lead.

Total Manganese - The NYS standard for manganese is 0.3 mg/l. The manganese standard was exceeded for both upgradient wells and nine downgradient wells. The manganese standard was exceeded in three filtered samples, and was below the detection limit in three others.

Sodium - Of the several NYS sodium standards, the lowest is 20 mg/l, and applies to people on severely restricted sodium diets. A contravention of this standard was observed at MW-2B (46.3 mg/l), and MW-7A (84.7 mg/l). The sodium results for these wells MW-2B are consistent with past monitoring.

4.1.3 Volatile Organic Compounds (VOCs)

No VOCs were detected in 9 of the 13 wells sampled in Quarter 3. VOCs that were detected in the other four wells are described below.

Vinyl Chloride was detected in Well MW-2B (6.9 ug/l) and MW-7A (3.2 mg/l). Both of these results exceed the water quality standard of 2 ug/l.

Chloroethane was detected in Well MW-2B at 4 ug/l, slightly below the drinking water standard for this compound.

Acetone was detected in Well MW-3A (11 ug/l), which is below the water quality standard of 50 ug/l.

cis-1,2-dichloroethene was detected in Wells MW-2B (15 ug/l) and MW-7A (4.1 ug/l). The result for MW-2B was above the drinking water MCL of 5 ug/l.

1,1-Dichloroethane was detected in MW-7A at 2.9 ug/l, below the drinking water MCL of 5 ug/l.

Benzene was detected in Well MW-2A (1.1 ug/l), which is slightly above the MCL of 1 ug/l.

Chlorobenzene was detected in Well MW-2A (2 ug/l), which is below the MCL of 5 ug/l.

4.2 Groundwater Quality Trends

Groundwater monitoring at Towslee Landfill occurred twice in 1997, and quarterly monitoring was resumed for seven wells in 2006. Monitoring was resumed for an additional six wells in Quarter 3 of 2011.

As described in Section 2, B&L identified a subset of parameters that suggested mild leachate impacts to groundwater, based on 1997 monitoring. For this report, these parameters are described as contaminants of concern (COCs). The main focus of the trends assessment is on COCs.

- Appendix B contains historical tables of the results for all parameters, with data organized by monitoring well.
- Appendix C contains historical summary tables of results for the COCs for conventionals and total metals, with data organized by water quality parameter.

4.2.1 Upgradient Wells

Wells CD-1 and CD-1RA are upgradient of the landfill. CD-1RA was tested in 1997; CD-1 was not. The 2014 Quarter 3 testing continues to show that water quality in upgradient well CD-1RA has not changed significantly over time. The water quality for CD-1 is generally similar to CD-1RA.

4.2.2 Trend for Downgradient Wells

In general, downgradient groundwater quality has improved over time at the Towslee Landfill. This is especially true for parameters with elevated levels in 1997. In recent years, groundwater quality has generally either been slowly improving, or has remained fairly stable.

Trends for Conventionals

B&L identified the following conventionals as suggestive of mild landfill leachate contamination: alkalinity, chloride, hardness, ammonia, TKN, COD, and TOC. These are discussed below.

- o Alkalinity continues to be generally lower than 1997 levels for wells with elevated alkalinity in 1997. Otherwise, alkalinity has been fairly stable over the past 6 years.
- o Chloride levels continue to be significantly lower than 1997 levels, especially for wells with the highest initial chloride levels. Otherwise, chloride has been relatively stable over the past few years.
- o Hardness is significantly lower in 2014 for the wells with elevated levels in 1997, and has been generally stable in recent years.
- o Ammonia – For most wells, ammonia has generally been near or below the detection limit in recent years. Well MW-2A shows elevated ammonia levels that have seen a slow, but

fluctuating decline over time.

- o TKN at most wells has been relatively stable over time. Several wells have consistently been near or below the detection limit in recent years. TKN results for MW-2A are elevated, but show an overall decreasing trend.
- o COD continues to show an overall decrease compared to 1997 levels. Results for most wells have been near or below the detection limit in recent quarters.
- o Total Organic Carbon (TOC) - TOC levels are generally lower than those measured in 1997, and while fluctuating, have been relatively stable in recent years.
- o For all other conventionals, the results for 2014 are lower than or similar to past results.

Trends for Total Metals

B&L identified the following metals as suggestive of mild landfill leachate contamination:

aluminum	cobalt	magnesium *	vanadium
arsenic	copper	manganese *	zinc
calcium *	iron *	potassium *	
chromium	lead *	sodium *	

Metals noted with an asterisk (*) are analyzed during Routine monitoring events. All these metals are analyzed during Baseline monitoring.

Total, unfiltered metals results appear to be affected by sampling procedures associated with the hiring of a new laboratory. In the past, wells were purged on one day and sampled the next. This was because 1) wells recover slowly, and 2) purging causes extremely turbid conditions. Recent samples were collected immediately following purging, and high turbidity has likely caused much higher results for total metals. The results for filtered samples supports this conclusion.

- o Aluminum – total aluminum levels increased in 2014, but dissolved aluminum results suggest that this is due to increased turbidity rather than a change in groundwater quality.
- o Arsenic levels have generally decreased compared to 1997 levels, and were near or below the detection limit in all wells in recent years.
- o Calcium, for all wells with elevated levels in 1997, is significantly lower in 2014, and has been relatively stable for all wells in recent monitoring.
- o Chromium levels have generally decreased over time. Quarter 3 results for some wells showed an increase that is believed to be due to sampling technique that resulted in increased turbidity.
- o Cobalt has generally decreased since 1997. Cobalt had been below the detection limit in past

years for all wells, while most results for Quarter 3 were above the detection limit. However, the Quarter 3 detection limit was significantly lower than for past analyses. All filtered samples were below the detection for cobalt.

- o Copper has generally been below the detection limit for all wells in recent years, but was detected in six wells in Quarter 3. All filtered samples were below the detection for copper.
- o Iron concentrations from unfiltered samples show a significant increase in 2014 samples, likely due to increased sample turbidity. All filtered samples in Quarter 3 were below the detection limit.
- o Lead concentrations from unfiltered samples are higher in 2014 for some wells. Filtered samples in Quarter 3 were all below the detection limit for lead.
- o Magnesium concentrations for all wells with elevated levels in 1997 are significantly lower in 2014. Magnesium levels have been fairly stable for all wells in recent years.
- o Manganese concentrations from unfiltered samples show a significant increase in 2014, likely due to increased sample turbidity. Filtered samples in Quarter 3 showed much lower manganese concentrations for three of six wells, and somewhat lower concentrations for the other three wells.
- o Potassium levels continue to show an overall decrease through Quarter 3 of 2014, compared to 1997, particularly for wells with elevated potassium in 1997.
- o Sodium levels have continued to show a general decrease through Quarter 3 of 2014, or have remained fairly stable.
- o Vanadium concentrations from unfiltered samples are higher in 2014 for some wells. Filtered samples in Quarter 3 were all below the detection limit for vanadium.
- o Zinc levels have generally decreased over time, compared to 1997 levels.

Trends for Organics

For most wells, VOCs have either never been detected, or have been detected sporadically at low levels over time. Where low level organic contamination persists, there is generally no clear trend apparent. For MW-2B, cis-1,2DCE increased in 2013 somewhat, but has shown a decrease in 2014.

5.0 Surface Water Monitoring

There is no surface water monitoring conducted specifically for the Towslee Landfill, but there are three surface water locations (SW-1, SW-2, and SW-3) that are sampled as part of monitoring of the active West Side Landfill. These locations are downgradient of the Towslee Landfill and shown on Figure 1.

Tables 4, 5 and 6 summarize the surface water quality results. Available NYS water quality standards are included in these tables, and contraventions of standards are highlighted.

Color - The color standard was exceeded for SW-1 and SW-3.

Aluminum - The aluminum standard was exceeded for all three surface water locations.

Iron - The iron standard was exceeded for all three surface water locations.

Manganese - The manganese standard was exceeded for SW-1.

No VOCs were detected in the surface water samples.

6.0 Landfill Gas Testing

Landfill gas measurements were taken at monitoring wells, and within the scale house. No combustible gas was detected at any of the Towslee monitoring locations.

7.0 Quality Control

Independent data validation for the Baseline monitoring of Quarter 3 was conducted by Dataval, Inc. A summary of the validation report is included in Appendix A.

A very small percentage of the overall data were flagged as “estimated” due to various factors. The validation report indicates that “data from this group of samples is felt to be technically correct and completely usable in its present form”. We believe the Quarter 3 analytical data are adequate to characterize groundwater quality in the vicinity of the Towslee landfill.

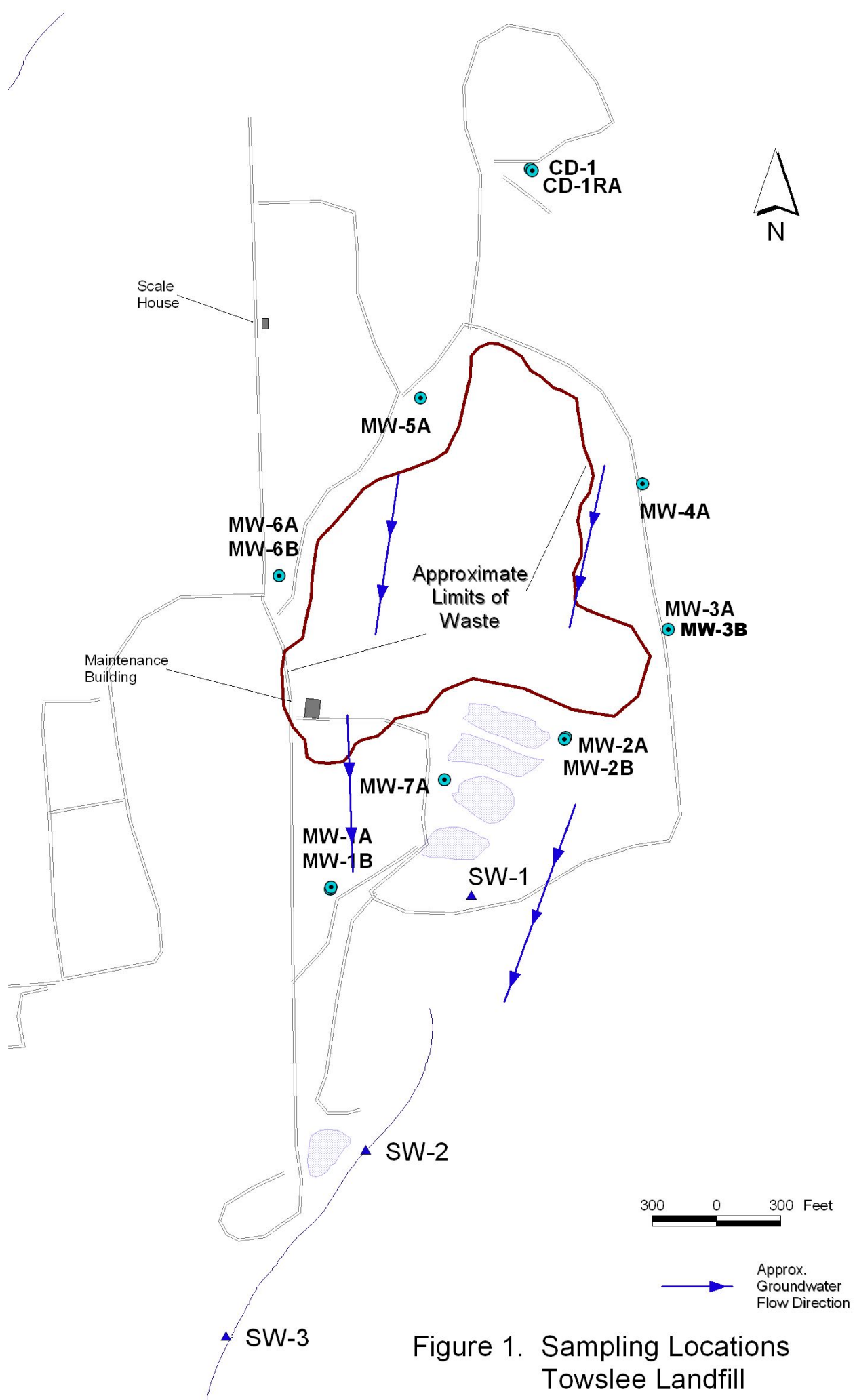


Figure 1. Sampling Locations
Towslee Landfill

**Table1. Contraventions of NYS Water Quality Standards
for Field and Inorganic Parameters
Towslee Landfill - Quarter 3 2014**

Parameter	Units	NYS Water Quality Standard	Upgradient		Downgradient										
			OB	BR	OB	BR	OB	BR	BR	BR	BR	BR	OB	BR	OB
			CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Temperature	(deg. C)	--	12.73	10.99	13.29	15.04	12.81	9.9	13.07	10.72	12.36	14.14	14.02	11.47	11.53
Eh	(mV)	--	95.8	110.4	4.5	108.1	-38.5	33	56.7	184.6	72.5	6.7	54.1	138.9	101
pH	log	6.5 - 8.5 a	8.1	8.19	7.96	8.21	6.96	7.17	6.68	7.95	7.5	8.47	7.1	7.18	7
Specific Conduct.	(uS/cm)	--	292	313	374	206	777	1388	309	452	751	266	461	372	1128
Color	(Units)	15 a, b	<5	<5	<5	<5	<5	<5	50	<5	<5	<5	<5	<5	<5
Turbidity	(NTU)	5 a	82.9	104	3600	38.3	3600	39.3	24.9	30.9	12.7	8.14	3600	30.1	3600
Alkalinity (as CaCO3)	(mg/l)	--	129	144	159	99.3	351	339	162	185	300	129	162	173	388
Hardness (as CaCO3)	(mg/l)	--	162	181	208	82.2	313	653	136	221	393	117	213	157	506
Total Diss. Solids	(mg/l)	500 a	172	173	237	90	379	817	202	265	453	154	232	193	649
Chloride	(mg/l)	250 a, b	1.4	2.8	38.5	2.1	18.5	117	2.6	25.3	19.7	6.9	30.2	23.6	78.3
Sulfate	(mg/l)	250 a, b	20.7	18.7	19.1	8.3	<5	<5	<5	15.2	15.5	14.8	17.8	17.9	33.1
Bromide	(mg/l)	2 a	<0.2	<0.2	<0.2	<0.2	0.31	0.84	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.92
Nitrate (As N)	(mg/l)	10 a, b	<0.05	<0.05	<0.05	<0.05	0.058	<0.05	<0.05	<0.05	<0.05	0.094	<0.05	<0.05	<0.05
Ammonia (As N)	(mg/l)	2 a	0.022J	0.026J	0.035J	<0.02J	7.2J	0.57J	0.13J	<0.02J	<0.02J	<0.02J	0.091J	<0.02J	0.091J
TKN	(mg/l)	--	0.56	0.31	0.51	<0.2	9.1	1.3	1.3	0.3	0.28	0.27	1.5	0.58	1.4
COD	(mg/l)	--	<10	<10J	<10	<10J	20.3	16.4	36.1	<10	<10	<10	11.9J	<10J	19
BOD	(mg/l)	--	<2	<2	<2	<2	3.3b	<2	2.6b	<2	<2	2.5b	<2	<2	<2
TOC	(mg/l)	--	<1	<1	<1	<1	5.2	4.2	9.1	<1	1.7	<1	2.2	1.6	4.3
Phenolics, Total	(mg/l)	0.001 a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide	(mg/l)	0.2 a, b	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

a - Part 703 Water Quality Standard (assumes Class GA waters)

b - Part 5 Drinking Water MCL

1.23 indicates contravention of standard.

OB = overburden well

BR = Bedrock well

b - Result Detected in the Unseeded Control blank

J - Estimated

**Table 2. Contraventions of NYS Water Quality Standards
for Metals (units are mg/l)
Towslee Landfill - Quarter 3 2014**

Parameter	NYS Water Quality Standard		Total Metals												Dissolved Metals							
			Upgradient		Downgradient										Upgradient		Downgradient					
			OB CD-1	BR CD-1RA	OB MW-1A	BR MW-1B	OB MW-2A	BR MW-2B	BR MW-3A	BR MW-3B	BR MW-4A	BR MW-5A	OB MW-6A	BR MW-6B	OB MW-7A	OB CD-1	BR CD-1RA	OB MW-1A	OB MW-2A	OB MW-6A	OB MW-7A	
Aluminum	--		8.7	7.8	24.5	0.32	19.9	4.3	0.38	2.8	1.1	0.51	37.6	13.4	36.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Antimony	0.003	a	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Arsenic	0.025	a	<0.015	<0.015	0.015	<0.015	0.023	<0.015	0.019	<0.015	<0.015	<0.015	0.039	<0.015	0.016	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	
Barium	1	a	0.17	0.23	0.3	0.19	0.65	1.3	0.58	0.49	1.1	0.47	0.83	0.69	0.95	0.061	0.16	0.14B	0.44B	0.44	0.51B	
Beryllium	0.004	b	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Boron	1	a	<0.02	<0.02	0.034	<0.02	0.3	0.22	0.022	0.045	0.079	0.02	0.038	0.033	0.37	<0.02	<0.02	0.022	0.31	0.028	0.39	
Cadmium	0.005	a, b	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Calcium	--		44.6	48.3	53.1	22.9	86.9	191	42.5	58.5	115	32.4	53.5	39.4	132	36.6	37.8	46.1	86.7	53	133	
Chromium	0.05	a	0.012	0.0091	0.03	<0.004	0.029	0.0058	<0.004	<0.004	<0.004	<0.004	0.052	0.0044	0.046	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Chrom, Hex	0.05	a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--	--	
Cobalt	--		0.0043	0.0047	0.015	<0.004	0.015	0.0051	<0.004	<0.004	<0.004	<0.004	0.038	0.0042	0.023	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Copper	0.2	a	0.019	0.01	0.022	<0.01	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	0.054	<0.01	0.039	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	0.3	a, b	9.4	10.3	35.2	0.54	32.5	3.5	0.6	2.3	0.64	0.55	57.3	7.2	49.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Lead	0.015	b	0.011	0.025	0.012	<0.01	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	0.028	0.024	0.018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Magnesium	--		12.3	14.7	18.2	6.1	23.3	43	7.4	18.2	25.7	8.6	19.2	14.2	42.7	9.7	10.4	10.6	18.4	9.2	34	
Manganese	0.3	a, b	1.8	0.47	1.2	1.2	11.2	5.7	2	0.19	1.3	0.056	3.4	1.5	5	0.0082	0.22	0.089	10.2	2.7	3.2	
Mercury	0.0007	a	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	--	--	--	--	--	--	
Nickel	0.1	a	0.01	0.012	0.037	<0.01	0.034	0.011	<0.01	<0.01	<0.01	<0.01	0.072	<0.01	0.068	<0.01	<0.01	<0.01	<0.01	<0.01	0.014	
Potassium	--		3.4	2.6	6.7	0.56	14.4	3.1	1.6	1.7	1.7	1.3	9.3	2	8	1	0.76	0.84	11.3	1.9	1.5	
Sodium	20	a, b	7.8	5.4	12.4	5.4	16.3	46.3	3.2	9.5	15.6	11.7	17.6	11	84.7	4.5	5.3	12.1	16.2	18.6	85.5	
Selenium	0.01	a	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
Silver	0.05	a	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	
Thallium	0.002	b	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
Vanadium	--		0.013	0.011	0.034	<0.005	0.028	<0.005	<0.005	<0.005	<0.005	<0.005	0.051	0.0062	0.048	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Zinc	5	b	0.033	0.035	0.076	<0.01	0.07	0.025	<0.01	<0.01	0.01	0.011	0.12	0.036	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

a - Part 703 Water Quality Standard (assumes Class GA)

b - Part 5 Drinking Water MCL

1.23 indicates contravention of standard.

OB = overburden well

BR = Bedrock well

B - Compound was found in the blank and sample

Table 3. Contraventions of NYS Water Quality Standards
for Organics
Towslee Landfill - Quarter 3 2014

Parameter *	NYS Water Quality Standard		Upgradient		Downgradient										
			OB CD-1	BR CD-1RA	OB MW-1A	BR MW-1B	OB MW-2A	BR MW-2B	BR MW-3A	BR MW-3B	BR MW-4A	BR MW-5A	OB MW-6A	BR MW-6B	OB MW-7A
Vinyl chloride	2	b	<1	<1	<1	<1	<1	6.9	<1	<1	<1	<1	<1	<1	3.2
Chloroethane	5	b	<1	<1	<1	<1	<1	4	<1	<1	<1	<1	<1	<1	<1
Acetone	50	b	<10	<10	<10	<10	<10	<10	11J	<10	<10	<10	<10	<10	<10
Methylene chloride	5	b	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	5	b	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	5	b	<1	<1	<1	<1	<1	15	<1	<1	<1	<1	<1	<1	4.1
1,1-Dichloroethane	5	b	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.9
Benzene	1	a	<1	<1	<1	<1	1.1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	5	b	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	5	b	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	5	b	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, Total	5	b	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,4-Dichlorobenzene	5	b	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

all units are ug/l

* List contains only compounds detected in current or past monitoring events

a - Part 703 Water Quality Standard (assumes Class GA waters)

b - Part 5 Drinking Water MCL

1.23 indicates contravention of standard.

Table 4
Contraventions of Surface Water Quality Standards
Field/ Inorganic Parameters - Quarter 3 2014

Parameter	Units	NYS Water Quality Standard	Surface Water Sample Locations		
			SW-1	SW-2	SW-3
Temperature	(deg. C)	--	16.21	13.76	13.54
EH	(mV)	--	17.8	23.7	-100.8
pH	(Std Units)	6.5 - 8.5 a	8.29	8.24	8.34
Specific Conductance	(uS/cm)	--	326	354	558
Oxygen, Dissolved	mg/l	5 a	6.49	7.32	6.27
Color	(Units)	15 b	20	15	20
Turbidity	(NTU)	--	13.8	8.9	12.2
Alkalinity (as CaCO3)	(mg/l)	--	122	138	153
Hardness (as CaCO3)	(mg/l)	--	109	123	153
Total Dissolved Solids	(mg/l)	500 a	166	172	201
Chloride	(mg/l)	250 a	24.3	17.7	14.6
Sulfate	(mg/l)	250 a, b	<5	<5	<5
Bromide	(mg/l)	--	<0.2	<0.2	<0.2
Boron, tot	(mg/l)	10 a	0.12	0.077	0.054
Nitrate (As N)	(mg/l)	10 a, b	<0.05	0.074	0.15
Ammonia (As N)	(mg/l)	2 a	<0.02	<0.02	<0.02
TKN (as N)	(mg/l)	--	1	0.51	0.39
COD	(mg/l)	--	<10	13.2	<10
BOD	(mg/l)	--	<2	<2	<2
TOC	(mg/l)	--	5.8	4	3.2
Phenolics, Total	(mg/l)	0.001 a	<0.01	<0.01	<0.01
Cyanide	(mg/l)	0.0052 a	<0.01	<0.01	<0.01

a - Part 703 Water Quality Standard (assumes Class A waters)

b - Part 5 Drinking Water MCL

1.23 indicates value exceeded standard

Table 5
Contraventions of Surface Water Quality Standards
Metals - Quarter 3 2014

Parameter Units		NYS Water Quality Standard	Surface Water Sample Locations		
			SW-1	SW-2	SW-3
Al	(mg/l)	0.1 a	1	0.22	0.71
Sb	(mg/l)	0.003 a	<0.02	<0.02	<0.02
As	(mg/l)	0.05 a, b	<0.015	<0.015	<0.015
Ba	(mg/l)	1 a	0.12	0.1	0.12
Be *	(mg/l)	0.004 a	<0.002	<0.002	<0.002
Cd *	(mg/l)	0.0021 a	<0.002	<0.002	<0.002
Ca	(mg/l)	--	28.2	35.4	46.8
Cr *	(mg/l)	0.05 a, b	<0.004	<0.004	<0.004
Cr+6	(mg/l)	0.011 a	<0.01	<0.01	<0.01
Co	(mg/l)	0.005 a	<0.004	<0.004	<0.004
Cu *	(mg/l)	0.009 a	<0.01	<0.01	<0.01
Fe	(mg/l)	0.3	1.8	0.31	0.85
Pb *	(mg/l)	0.004 a	<0.01	<0.01	<0.01
Mg	(mg/l)	35 a	9.3	8.5	8.7
Mn	(mg/l)	0.3	0.53	0.01	0.019
Hg	(mg/l)	0.0007 a	<0.0002	<0.0002	<0.0002
Ni *	(mg/l)	0.052 a	<0.01	<0.01	<0.01
K	(mg/l)	--	3.8	2.8	2.3
Na	(mg/l)	20 b	19.5	14	11.5
Se	(mg/l)	0.0046 a	<0.025	<0.025	<0.025
Ag	(mg/l)	0.0001 a	<0.006	<0.006	<0.006
Tl	(mg/l)	0.002 b	<0.02	<0.02	<0.02
V	(mg/l)	0.014 a	<0.005	<0.005	<0.005
Zn *	(mg/l)	0.083 a	0.01	0.013	0.011

a - Part 703 Water Quality Standard (assumes Class A waters)

b - Part 5 Drinking Water MCL

* assumes hardness = 100 mg/l

1.23 indicates value exceeded standard

Table 6
Contraventions of Surface Water Quality Standards
Volatile Organics - Quarter 3 2014

No Contraventions

Organics (Previously Detected)	Units	Part 5 Drinking Water MCLs	SW-1	SW-2	SW-3
Benzene	(ug/l)	1	<1	<1	<1
Carbon Disulfide	(ug/l)	50	<1	<1	<1
Chloroethane	(ug/l)	5	<1	<1	<1
Chloroform	(ug/l)	50	<1	<1	<1
1,2-Dichloroethane	(ug/l)	0.6	<1	<1	<1
2-Butanone	(ug/l)	50	<10	<10	<10
2-Hexanone	(ug/l)	50	<5	<5	<5
1,1-Dichloroethane	(ug/l)	5	<1	<1	<1
Chloromethane	(ug/l)	5	<1	<1	<1
MethyleneChloride	(ug/l)	5	<1	<1	<1
Tetrachloroethylene	(ug/l)	5	<1	<1	<1
Acetone	(ug/l)	50	<10	<10	<10
Toluene	(ug/l)	5	<1	<1	<1
1,1,1-Trichloroethane	(ug/l)	5	<1	<1	<1
Vinyl Chloride	(ug/l)	5	<1	<1	<1
Xylenes, Total	(ug/l)	2	<2	<2	<2
cis-1,2-Dichloroethene	(ug/l)	5	<1	<1	<1

1.23 indicates a contravention of water quality standard

Appendix A

Analytical Laboratory Results

Cortland County Towslee Landfill

**DATA VALIDATION
BASELINE PARAMETERS MONITORING
TOWSLEE LANDFILL**

Collected September 2014

Volatile Organics

Metals

Leachate Indicators

Prepared for:

CORTLAND COUNTY SOIL and WATER CONSERVATION DISTRICT

100 Grange Place, Room 202

Cortland, NY 13045

Prepared by:

DATAVAL, Inc.

201 West Genesee Street, PMB 273

Fayetteville, NY 13066

DATA ASSESSMENT

A data package containing analytical results for 14 aqueous samples was received from TestAmerica-Buffalo on 02Jan15. The samples were collected from the Cortland County Towslee Landfill site on 15Sep14 and 16Sep14, as required by 6 NYCRR Part 360 (10/94). The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information for Baseline Parameters Monitoring. CD-1, CD-1RA, MW-6A, MW-1A, MW-2A and MW-7A were also analyzed for dissolved metals. The samples were identified by Chain of Custody documents and trackable through the work of TestAmerica-Buffalo, the laboratory contracted for sampling and analysis. Laboratory data was evaluated according to the Quality Assurance / Quality Control Requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol, September 1989, Rev. 07/2005. When the required protocol was not followed, the current EPA Region II Functional Guidelines (SOP HW-33, Rev. #3, March 2013, Low/Medium Volatile Data Validation, and SOP HW-2a, Rev. 15, December 2012, ICP-AES Data Validation) were used as a technical reference.

To satisfy the requirement for 5% data validation, data calculations relating to CD-1 were examined in detail. All of the available QA/QC information was then applied to an evaluation of each program sample.

Six aqueous samples were collected on 15Sep14; and eight were collected on 16Sep14 by personnel from the TestAmerica-Albany field office. Each group of samples was packaged with a trip blank and shipped to the laboratory, via courier, on the day of collection. They arrived the following morning. At the time of receipt, each sample cooler was found to be intact and properly chilled. Cooler temperatures, ranging between 3.2°C and 5.0°C, were recorded at the time of receipt.

Proper sample preservation was documented in the field custody record and verified in the laboratory. Although these checks were not documented, the laboratory record indicates that each sample volume was properly stabilized. The pH of each VOC sample was recorded at the time of analysis to verify that these volumes were properly preserved.

It is noted that a volume of each sample was transferred to TestAmerica-Pittsburgh for bromide analysis. Although COCs were not provided, the receipt records indicate that these samples were received intact and properly chilled, with custody seals in place.

Laboratory analyses were well organized and supported by the raw data. Each analysis incorporated the QA/QC requirements of ASP protocol. Areas where ASP requirements were not completely satisfied are addressed below. A detailed discussion of the review process follows.

LEACHATE INDICATORS

Test methods for the determination of Leachate Indicators utilize classical wet chemistry techniques. These methods were performed well and demonstrated an acceptable level of quality control. Areas of concern are addressed below.

Ammonia and Hexavalent Chromium (CrVI)

The ammonia spike to MW-6A and the CrVI addition to MW-4A produced low recoveries of 69% and 79%, respectively. Although the CrVI recovery failed to satisfy the laboratory's acceptance criteria, this result does not warrant data qualifications. The ammonia results from this project have been qualified as estimations based on the observed indication of negative bias.

Chemical Oxygen Demand (COD)

The raw data supporting the COD results from CD-1RA, MW-1B, MW-6A and MW-6B was not dated. This omission made it impossible to verify compliance with program holding time limitations. The COD results from these samples have been qualified as estimations due to this error.

Nitrate

Nitrate concentrations are determined as the difference between a combined concentration of nitrate plus nitrite ($\text{NO}_3 + \text{NO}_2$) and a nitrite (NO_2) result. Although $\text{NO}_2 + \text{NO}_3$ concentrations between 0.056 mg/l and 0.11 mg/l were obtained from CD-1, the Scale House, MW-2A, MW-4A and MW-5A, the corresponding nitrite results were not subtracted. The affected nitrate results have been corrected on Form 1.

INORGANICS

The analysis of each metal sample was associated with the appropriate quality control checks, as defined by ASP protocol. Each of these checks indicated acceptable method performance. The inorganics results from this group of samples may be considered technically correct, completely usable, and without qualifications in their present form.

It is noted that the dissolved metals method blanks produced barium concentrations of 0.019 mg/l and 0.002 mg/l; and a zinc concentration of 0.12 mg/l. The presence of these artifacts, however, warrants no concern. The associated samples produced barium and zinc concentrations that exceeded the range requiring data qualifications.

VOLATILE ORGANIC ANALYTES

Each VOA analysis incorporates several quality assurance checks to demonstrate the precision and accuracy of laboratory measurements. These include the addition of surrogates and internal standards to every calibration standard, blank and program sample. A matrix

spiked sample, a matrix spiked duplicate, and a spiked blank are also analyzed with each group of samples. ASP protocol defines acceptance criteria for each of these evaluations. Most of these requirements were satisfied. The exceptions are addressed below.

Blanks

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

Three method blanks and two trip blanks were analyzed with this group of samples. Each of these blanks demonstrated acceptable chromatography and was free of targeted analyte contamination.

Although not found in the associated blanks, 11 µg/l of acetone was detected in MW-3A. This concentration has been qualified as an estimation because low levels of acetone frequently represent laboratory artifacts. Acetone could not be removed from the sample report because it was not detected in the associated blanks.

Calibration

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

Initial instrument calibrations were performed on 23Sep14 and 26Sep14. Standards of 5, 25, 50, 125, 250 and 500 µg/l were included on 23Sep14. The 26Sep14 calibration included standards of 1, 5, 10, 25, 50 and 100 µg/l. Each analyte targeted by this program produced the required levels of instrument response and demonstrated an acceptable degree of linearity during both calibrations.

Continuing calibration checks were performed on 26Sep14, 27Sep14 (System C) and 27Sep14 (System S), prior to the twelve-hour periods of instrument operation that included samples from this program. When compared to the initial calibrations, unacceptable shifts were observed in the instrument response of bromomethane (27%) and trans-1,4-dichloro-2-butene (26%) on 27Sep14 (System S). The bromomethane (BRMANE) and trans-1,4-dichloro-2-butene (T14DC2BENE) results from MW-3A, MW-3B, MW-4A, MW-5A, MW-7A and the 16Sep14 Trip Blank have been qualified as estimations based on this performance.

Surrogates

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Although Surrogate Summary Sheets were properly prepared, the laboratory applied it's own acceptance criteria. When compared to the ASP requirements, unacceptably high recoveries were reported for the 1,2-dichloroethane-d4 additions to CD-1RA (115%), MW-6A (115%), the Scale House sample (118%), and the 15Sep14 Trip Blank (115%). These indications of positive bias, however, warrant no concern. The four affected samples produced negative results.

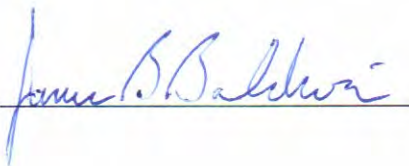
A low recovery of toluene-d8 was reported from MW-1A (87%). The VOC results reported from this sample have been qualified as estimations based on this indication of negative bias.

CORRECTNESS AND USABILITY

Data from this group of samples is felt to be technically correct and completely usable in its present form. Data presenting a usable estimation of the conditions being measured has been flagged "J" or "UJ". Estimated data should be used with caution.

Two facts should be considered by all data users. No compound concentration, even if it has passed all QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly, DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature:



Date:

19 JAN 15

SAMPLED SEPTEMBER 2014

	BLANKS ACETONE	CALIBRATE BRMANE	CALIBRATE T14DC2BENE	SURROGATE	SPIKE AMMONIA	UNDATED COD	CORRECT NITRATE
SDG_67323							
CD-1					0.022J		ND
CD-1dis							
CD-1RA					0.026J	10UJ	
CD-1RAdis							
MW-1B					0.020UJ	10UJ	
MW-6A					0.091J	11.9J	
MW-6Adis							
MW-6B					0.020UJ	10UJ	
SCALE HOUSE					0.020UJ		ND
SDG_67407							
MW-1A				ALL UJ	0.035J		
MW-1Adis							
MW-2A					7.2J		0.058
MW-2Adis							
MW-2B					0.57J		
MW-3A		1.0UJ	1.0UJ		0.13J		
MW-3B	11J	1.0UJ	1.0UJ		0.020UJ		
MW-4A		1.0UJ	1.0UJ		0.020UJ		ND
MW-5A		1.0UJ	1.0UJ		0.020UJ		0.094
MW-7A		1.0UJ	1.0UJ		0.091J		
MW-7Adis							

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: 480-67323-1

TestAmerica Sample Delivery Group: 67323

Client Project/Site: Towslee Landfill - Baseline

Sampling Event: Towslee Landfill - Baseline

For:

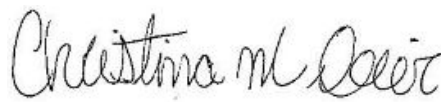
Cortland Cty Soil & Water Cons District

100 Grange Place

Rm 202

Cortland, New York 13045

Attn: Patrick Reidy



Authorized for release by:

10/17/2014 4:34:45 PM

Christina Dosier, Project Mgmt. Assistant

christina.dosier@testamericainc.com

Designee for

Ryan VanDette, Project Manager II

(716)504-9830

ryan.vandette@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.



LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	6
Client Sample Results	17
Surrogate Summary	63
QC Sample Results	64
QC Association Summary	104
Lab Chronicle	122
Certification Summary	134
Method Summary	135
Sample Summary	136
Detection Limit Exceptions Summary	137
Chain of Custody	138
Field Data Sheets	142
Receipt Checklists	156



Definitions/Glossary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
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.
b	Result Detected in the Unseeded Control blank (USB).

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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)

Case Narrative

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Job ID: 480-67323-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-67323-1

Comments

No additional comments.

Receipt

The samples were received on 9/16/2014 2:00 AM and 9/17/2014 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 2.4° C, 3.2° C, 3.2° C, 4.0° C, 4.5° C and 5.0° C.

Except:

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): MW-1B (480-67323-3). The container labels list MW-1A, while the COC lists MW-1B. Date and time of collection listed on coc and containers matched. Id listed on coc was used for sample login.

GC/MS VOA

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

GC Semi 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 preparation batch 480-202909 contained dissolved zinc above the reporting limit (RL). The sample CD-1 (480-67323-1) associated with this method blank was ND for the target compound; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 6010C: The method blank for batch 480-203595 contained Barium above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method(s) 6010C: The method blank for batch 480-206156 contained dissolved barium above the reporting limit (RL). Associated sample MW-1A (480-67407-1) was not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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: Samples were filtered prior to analysis. Results are reported as true color. CD-1 (480-67323-1), CD-1RA (480-67323-2), MW-6A (480-67323-4), MW-6B (480-67323-5)

Method(s) SM 2120B: Associated samples were filtered prior to analysis. Results are reported as true color. (480-67407-1 DU), MW-1A (480-67407-1), MW-2A (480-67407-2), MW-2B (480-67407-3), MW-3B (480-67407-5), MW-4A (480-67407-6), MW-7A (480-67407-8)

Method(s) SM 2540C: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-1B (480-67323-3). Reanalysis was performed, and the result(s) confirmed.

Method(s) 310.2: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-3B (480-67407-5). Reanalysis was performed, and the result(s) confirmed.

Method(s) 310.2: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-2A (480-67407-2), MW-4A (480-67407-6), MW-7A (480-67407-8). Reanalysis was performed, and the result(s) confirmed.

Method(s) 350.1: The results reported for the following samples do not concur with results previously reported for this site: MW-1A (480-67407-1), MW-3A (480-67407-4), MW-7A (480-67407-8). Reanalysis was performed, and the results confirmed.

Method(s) 351.2: The results reported for the following sample(s) do not concur with results previously reported for this site: CD-1RA

Case Narrative

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Job ID: 480-67323-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

(480-67323-2), MW-1A (480-67407-1), MW-3A (480-67407-4), MW-3B (480-67407-5), MW-5A (480-67407-7), MW-6A (480-67323-4), MW-6B (480-67323-5), MW-7A (480-67407-8). Reanalysis was performed, and the result(s) confirmed.

Method(s) 351.2: Due to the matrix, the initial volume(s) used for the following sample(s) deviated from the standard procedure: MW-2A (480-67407-2). The reporting limits (RLs) have been adjusted proportionately.

Method(s) 353.2: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-1B (480-67323-3). Reanalysis was performed, and the result(s) confirmed.

Method(s) 410.4: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-2B (480-67407-3), MW-3A (480-67407-4). Reanalysis was performed, and the result(s) confirmed.

Method(s) 410.4: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-4A (480-67407-6). Reanalysis was performed, and the result(s) confirmed.

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 202973 are reported. (USB 480-202973/1)

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 203029 are reported. (USB 480-203029/1)

Method(s) SM 4500 Cl- E: The results reported for the following sample(s) do not concur with results previously reported for this site: CD-1 (480-67323-1), CD-1RA (480-67323-2). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 4500 Cl- E: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-2A (480-67407-2), MW-3A (480-67407-4). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 4500 Cl- E: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-6A (480-67323-4). Reanalysis was performed, and the result(s) confirmed.

Method(s) 9038, D516-90, 02: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-6B (480-67323-5). Reanalysis was performed, and the result(s) confirmed.

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

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1

Lab Sample ID: 480-67323-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	8.10				SU	1		Field Sampling	Total/NA
Field Conductivity	292				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	12.73				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	82.9				NTU	1		Field Sampling	Total/NA
Field EH/ORP	95.8				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.22				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8.7		0.20		mg/L	1		6010C	Total/NA
Barium	0.17		0.0020		mg/L	1		6010C	Total/NA
Calcium	44.6		0.50		mg/L	1		6010C	Total/NA
Chromium	0.012		0.0040		mg/L	1		6010C	Total/NA
Cobalt	0.0043		0.0040		mg/L	1		6010C	Total/NA
Copper	0.019		0.010		mg/L	1		6010C	Total/NA
Iron	9.4		0.050		mg/L	1		6010C	Total/NA
Lead	0.011		0.010		mg/L	1		6010C	Total/NA
Magnesium	12.3		0.20		mg/L	1		6010C	Total/NA
Manganese	1.8		0.0030		mg/L	1		6010C	Total/NA
Nickel	0.010		0.010		mg/L	1		6010C	Total/NA
Potassium	3.4		0.50		mg/L	1		6010C	Total/NA
Sodium	7.8		1.0		mg/L	1		6010C	Total/NA
Vanadium	0.013		0.0050		mg/L	1		6010C	Total/NA
Zinc	0.033		0.010		mg/L	1		6010C	Total/NA
Barium	0.061		0.0020		mg/L	1		6010C	Dissolved
Calcium	36.6		0.50		mg/L	1		6010C	Dissolved
Magnesium	9.7		0.20		mg/L	1		6010C	Dissolved
Manganese	0.0082		0.0030		mg/L	1		6010C	Dissolved
Potassium	1.0		0.50		mg/L	1		6010C	Dissolved
Sodium	4.5		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	162		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	111		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	50.5		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	129		50.0		mg/L	5		310.2	Total/NA
Ammonia	0.022		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.56		0.20		mg/L	1		351.2	Total/NA
Nitrate as N	0.063		0.050		mg/L	1		353.2	Total/NA
Sulfate	20.7		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	172		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	1.4		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: CD-1RA

Lab Sample ID: 480-67323-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	8.19				SU	1		Field Sampling	Total/NA
Field Conductivity	313				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	10.99				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	104				NTU	1		Field Sampling	Total/NA
Field EH/ORP	110.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.51				mg/L	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1RA (Continued)

Lab Sample ID: 480-67323-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7.8		0.20		mg/L	1		6010C	Total/NA
Barium	0.23		0.0020		mg/L	1		6010C	Total/NA
Calcium	48.3		0.50		mg/L	1		6010C	Total/NA
Chromium	0.0091		0.0040		mg/L	1		6010C	Total/NA
Cobalt	0.0047		0.0040		mg/L	1		6010C	Total/NA
Copper	0.010		0.010		mg/L	1		6010C	Total/NA
Iron	10.3		0.050		mg/L	1		6010C	Total/NA
Lead	0.025		0.010		mg/L	1		6010C	Total/NA
Magnesium	14.7		0.20		mg/L	1		6010C	Total/NA
Manganese	0.47		0.0030		mg/L	1		6010C	Total/NA
Nickel	0.012		0.010		mg/L	1		6010C	Total/NA
Potassium	2.6		0.50		mg/L	1		6010C	Total/NA
Sodium	5.4		1.0		mg/L	1		6010C	Total/NA
Vanadium	0.011		0.0050		mg/L	1		6010C	Total/NA
Zinc	0.035		0.010		mg/L	1		6010C	Total/NA
Barium	0.16		0.0020		mg/L	1		6010C	Dissolved
Calcium	37.8		0.50		mg/L	1		6010C	Dissolved
Magnesium	10.4		0.20		mg/L	1		6010C	Dissolved
Manganese	0.22		0.0030		mg/L	1		6010C	Dissolved
Potassium	0.76		0.50		mg/L	1		6010C	Dissolved
Sodium	5.3		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	181		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	121		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	60.7		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	144		20.0		mg/L	2		310.2	Total/NA
Ammonia	0.026		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.31		0.20		mg/L	1		351.2	Total/NA
Sulfate	18.7		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	173		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	2.8		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW-1B

Lab Sample ID: 480-67323-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	8.21				SU	1		Field Sampling	Total/NA
Field Conductivity	206				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	15.04				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	38.3				NTU	1		Field Sampling	Total/NA
Field EH/ORP	108.1				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.20				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.32		0.20		mg/L	1		6010C	Total/NA
Barium	0.19		0.0020		mg/L	1		6010C	Total/NA
Calcium	22.9		0.50		mg/L	1		6010C	Total/NA
Iron	0.54		0.050		mg/L	1		6010C	Total/NA
Magnesium	6.1		0.20		mg/L	1		6010C	Total/NA
Manganese	1.2		0.0030		mg/L	1		6010C	Total/NA
Potassium	0.56		0.50		mg/L	1		6010C	Total/NA
Sodium	5.4		1.0		mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1B (Continued)

Lab Sample ID: 480-67323-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	82.2		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	57.2		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	25.0		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	99.3		10.0		mg/L	1		310.2	Total/NA
Sulfate	8.3		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	90.0		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	2.1		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW-6A

Lab Sample ID: 480-67323-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.10				SU	1		Field Sampling	Total/NA
Field Conductivity	461				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	14.02				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Very Turbid				NTU	1		Field Sampling	Total/NA
Field EH/ORP	54.1				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.44				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	37.6		0.20		mg/L	1		6010C	Total/NA
Arsenic	0.039		0.015		mg/L	1		6010C	Total/NA
Barium	0.83		0.0020		mg/L	1		6010C	Total/NA
Boron	0.038		0.020		mg/L	1		6010C	Total/NA
Calcium	53.5		0.50		mg/L	1		6010C	Total/NA
Chromium	0.052		0.0040		mg/L	1		6010C	Total/NA
Cobalt	0.038		0.0040		mg/L	1		6010C	Total/NA
Copper	0.054		0.010		mg/L	1		6010C	Total/NA
Iron	57.3		0.050		mg/L	1		6010C	Total/NA
Lead	0.028		0.010		mg/L	1		6010C	Total/NA
Magnesium	19.2		0.20		mg/L	1		6010C	Total/NA
Manganese	3.4		0.0030		mg/L	1		6010C	Total/NA
Nickel	0.072		0.010		mg/L	1		6010C	Total/NA
Potassium	9.3		0.50		mg/L	1		6010C	Total/NA
Sodium	17.6		1.0		mg/L	1		6010C	Total/NA
Vanadium	0.051		0.0050		mg/L	1		6010C	Total/NA
Zinc	0.12		0.010		mg/L	1		6010C	Total/NA
Barium	0.44		0.0020		mg/L	1		6010C	Dissolved
Boron	0.028		0.020		mg/L	1		6010C	Dissolved
Calcium	53.0		0.50		mg/L	1		6010C	Dissolved
Magnesium	9.2		0.20		mg/L	1		6010C	Dissolved
Manganese	2.7		0.0030		mg/L	1		6010C	Dissolved
Potassium	1.9		0.50		mg/L	1		6010C	Dissolved
Sodium	18.6		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	213		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	134		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	79.2		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	162		50.0		mg/L	5		310.2	Total/NA
Ammonia	0.091		0.020		mg/L	1		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-6A (Continued)

Lab Sample ID: 480-67323-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Kjeldahl Nitrogen	1.5		0.20		mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	11.9		10.0		mg/L	1		410.4	Total/NA
Sulfate	17.8		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	232		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	30.2		1.0		mg/L	1		SM 4500 Cl- E	Total/NA
Total Organic Carbon	2.2		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: MW-6B

Lab Sample ID: 480-67323-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.18				SU	1		Field Sampling	Total/NA
Field Conductivity	372				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	11.47				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	30.1				NTU	1		Field Sampling	Total/NA
Field EH/ORP	138.9				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.01				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	13.4		0.20		mg/L	1		6010C	Total/NA
Barium	0.69		0.0020		mg/L	1		6010C	Total/NA
Boron	0.033		0.020		mg/L	1		6010C	Total/NA
Calcium	39.4		0.50		mg/L	1		6010C	Total/NA
Chromium	0.0044		0.0040		mg/L	1		6010C	Total/NA
Cobalt	0.0042		0.0040		mg/L	1		6010C	Total/NA
Iron	7.2		0.050		mg/L	1		6010C	Total/NA
Lead	0.024		0.010		mg/L	1		6010C	Total/NA
Magnesium	14.2		0.20		mg/L	1		6010C	Total/NA
Manganese	1.5		0.0030		mg/L	1		6010C	Total/NA
Potassium	2.0		0.50		mg/L	1		6010C	Total/NA
Sodium	11.0		1.0		mg/L	1		6010C	Total/NA
Vanadium	0.0062		0.0050		mg/L	1		6010C	Total/NA
Zinc	0.036		0.010		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	157		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	98.4		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	58.5		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	173		50.0		mg/L	5		310.2	Total/NA
Total Kjeldahl Nitrogen	0.58		0.20		mg/L	1		351.2	Total/NA
Sulfate	17.9		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	193		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	23.6		1.0		mg/L	1		SM 4500 Cl- E	Total/NA
Total Organic Carbon	1.6		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: Scale House

Lab Sample ID: 480-67323-6

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	8.19				SU	1		Field Sampling	Total/NA
Field Conductivity	332				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	16.77				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	0.56				NTU	1		Field Sampling	Total/NA
Field EH/ORP	76.7				millivolts	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: Scale House (Continued)

Lab Sample ID: 480-67323-6

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Oxygen, Dissolved	3.02				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.26		0.0020		mg/L	1		6010C	Total/NA
Boron	0.044		0.020		mg/L	1		6010C	Total/NA
Calcium	41.4		0.50		mg/L	1		6010C	Total/NA
Copper	0.012		0.010		mg/L	1		6010C	Total/NA
Magnesium	10.2		0.20		mg/L	1		6010C	Total/NA
Manganese	0.0092		0.0030		mg/L	1		6010C	Total/NA
Sodium	7.7		1.0		mg/L	1		6010C	Total/NA
Zinc	0.012		0.010		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	145		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	103		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	41.8		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	130		20.0		mg/L	2		310.2	Total/NA
Nitrate as N	0.056		0.050		mg/L	1		353.2	Total/NA
Sulfate	35.7		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	174		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	10.7		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-67323-7

No Detections.

Client Sample ID: MW-1A

Lab Sample ID: 480-67407-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.96				SU	1		Field Sampling	Total/NA
Field Conductivity	374				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	13.29				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Very Turbid				NTU	1		Field Sampling	Total/NA
Field EH/ORP	4.5				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.28				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	24.5		0.20		mg/L	1		6010C	Total/NA
Arsenic	0.015		0.015		mg/L	1		6010C	Total/NA
Barium	0.30		0.0020		mg/L	1		6010C	Total/NA
Boron	0.034		0.020		mg/L	1		6010C	Total/NA
Calcium	53.1		0.50		mg/L	1		6010C	Total/NA
Chromium	0.030		0.0040		mg/L	1		6010C	Total/NA
Cobalt	0.015		0.0040		mg/L	1		6010C	Total/NA
Copper	0.022		0.010		mg/L	1		6010C	Total/NA
Iron	35.2		0.050		mg/L	1		6010C	Total/NA
Lead	0.012		0.010		mg/L	1		6010C	Total/NA
Magnesium	18.2		0.20		mg/L	1		6010C	Total/NA
Manganese	1.2		0.0030		mg/L	1		6010C	Total/NA
Nickel	0.037		0.010		mg/L	1		6010C	Total/NA
Potassium	6.7		0.50		mg/L	1		6010C	Total/NA
Sodium	12.4		1.0		mg/L	1		6010C	Total/NA
Vanadium	0.034		0.0050		mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1A (Continued)

Lab Sample ID: 480-67407-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.076		0.010		mg/L	1		6010C	Total/NA
Barium	0.14	B	0.0020		mg/L	1		6010C	Dissolved
Boron	0.022		0.020		mg/L	1		6010C	Dissolved
Calcium	46.1		0.50		mg/L	1		6010C	Dissolved
Magnesium	10.6		0.20		mg/L	1		6010C	Dissolved
Manganese	0.089		0.0030		mg/L	1		6010C	Dissolved
Potassium	0.84		0.50		mg/L	1		6010C	Dissolved
Sodium	12.1		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	208		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	133		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	75.0		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	159		50.0		mg/L	5		310.2	Total/NA
Ammonia	0.035		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.51		0.20		mg/L	1		351.2	Total/NA
Sulfate	19.1		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	237		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	38.5		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW-2A

Lab Sample ID: 480-67407-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.96				SU	1		Field Sampling	Total/NA
Field Conductivity	777				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	12.81				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Very Turbid				NTU	1		Field Sampling	Total/NA
Field EH/ORP	-38.5				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.85				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0		ug/L	1		8260C	Total/NA
Chlorobenzene	2.0		1.0		ug/L	1		8260C	Total/NA
Bromide	0.31		0.20		mg/L	1		300.0	Total/NA
Aluminum	19.9		0.20		mg/L	1		6010C	Total/NA
Arsenic	0.023		0.015		mg/L	1		6010C	Total/NA
Barium	0.65		0.0020		mg/L	1		6010C	Total/NA
Boron	0.30		0.020		mg/L	1		6010C	Total/NA
Calcium	86.9		0.50		mg/L	1		6010C	Total/NA
Chromium	0.029		0.0040		mg/L	1		6010C	Total/NA
Cobalt	0.015		0.0040		mg/L	1		6010C	Total/NA
Copper	0.022		0.010		mg/L	1		6010C	Total/NA
Iron	32.5		0.050		mg/L	1		6010C	Total/NA
Lead	0.011		0.010		mg/L	1		6010C	Total/NA
Magnesium	23.3		0.20		mg/L	1		6010C	Total/NA
Manganese	11.2		0.0030		mg/L	1		6010C	Total/NA
Nickel	0.034		0.010		mg/L	1		6010C	Total/NA
Potassium	14.4		0.50		mg/L	1		6010C	Total/NA
Sodium	16.3		1.0		mg/L	1		6010C	Total/NA
Vanadium	0.028		0.0050		mg/L	1		6010C	Total/NA
Zinc	0.070		0.010		mg/L	1		6010C	Total/NA
Barium	0.44	B	0.0020		mg/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2A (Continued)

Lab Sample ID: 480-67407-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.31		0.020		mg/L	1		6010C	Dissolved
Calcium	86.7		0.50		mg/L	1		6010C	Dissolved
Magnesium	18.4		0.20		mg/L	1		6010C	Dissolved
Manganese	10.2		0.0030		mg/L	1		6010C	Dissolved
Potassium	11.3		0.50		mg/L	1		6010C	Dissolved
Sodium	16.2		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	313		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	217		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	95.9		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	351		50.0		mg/L	5		310.2	Total/NA
Ammonia	7.2		0.10		mg/L	5		350.1	Total/NA
Total Kjeldahl Nitrogen	9.1		0.40		mg/L	1		351.2	Total/NA
Nitrate as N	0.081		0.050		mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	20.3		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	379		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	18.5		1.0		mg/L	1		SM 4500 Cl- E	Total/NA
Biochemical Oxygen Demand	3.3	b	2.0		mg/L	1		SM 5210B	Total/NA
Total Organic Carbon	5.2		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: MW-2B

Lab Sample ID: 480-67407-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.17				SU	1		Field Sampling	Total/NA
Field Conductivity	1388				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	9.90				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	39.3				NTU	1		Field Sampling	Total/NA
Field EH/ORP	33.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	6.36				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	3.5		1.0		ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	15		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	6.9		1.0		ug/L	1		8260C	Total/NA
Bromide	0.84		0.20		mg/L	1		300.0	Total/NA
Aluminum	4.3		0.20		mg/L	1		6010C	Total/NA
Barium	1.3		0.0020		mg/L	1		6010C	Total/NA
Boron	0.22		0.020		mg/L	1		6010C	Total/NA
Calcium	191		0.50		mg/L	1		6010C	Total/NA
Chromium	0.0058		0.0040		mg/L	1		6010C	Total/NA
Cobalt	0.0051		0.0040		mg/L	1		6010C	Total/NA
Iron	3.5		0.050		mg/L	1		6010C	Total/NA
Magnesium	43.0		0.20		mg/L	1		6010C	Total/NA
Manganese	5.7		0.0030		mg/L	1		6010C	Total/NA
Nickel	0.011		0.010		mg/L	1		6010C	Total/NA
Potassium	3.1		0.50		mg/L	1		6010C	Total/NA
Sodium	46.3		1.0		mg/L	1		6010C	Total/NA
Zinc	0.025		0.010		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	653		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	477		0.50		mg/L	1		SM 2340B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2B (Continued)

Lab Sample ID: 480-67407-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium hardness as calcium carbonate	177		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	339		50.0		mg/L	5		310.2	Total/NA
Ammonia	0.57		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	1.3		0.20		mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	16.4		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	817		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	117		5.0		mg/L	5		SM 4500 Cl- E	Total/NA
Total Organic Carbon	4.2		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: MW-3A

Lab Sample ID: 480-67407-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.68				SU	1		Field Sampling	Total/NA
Field Conductivity	309				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	13.07				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	24.9				NTU	1		Field Sampling	Total/NA
Field EH/ORP	56.7				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.27				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		10		ug/L	1		8260C	Total/NA
Aluminum	0.38		0.20		mg/L	1		6010C	Total/NA
Arsenic	0.019		0.015		mg/L	1		6010C	Total/NA
Barium	0.58		0.0020		mg/L	1		6010C	Total/NA
Boron	0.022		0.020		mg/L	1		6010C	Total/NA
Calcium	42.5		0.50		mg/L	1		6010C	Total/NA
Iron	0.60		0.050		mg/L	1		6010C	Total/NA
Magnesium	7.4		0.20		mg/L	1		6010C	Total/NA
Manganese	2.0		0.0030		mg/L	1		6010C	Total/NA
Potassium	1.6		0.50		mg/L	1		6010C	Total/NA
Sodium	3.2		1.0		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	136		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	106		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	30.4		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	162		20.0		mg/L	2		310.2	Total/NA
Ammonia	0.13		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	1.3		0.20		mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	36.1		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	202		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	2.6		1.0		mg/L	1		SM 4500 Cl- E	Total/NA
Biochemical Oxygen Demand	2.6	b	2.0		mg/L	1		SM 5210B	Total/NA
Total Organic Carbon	9.1		1.0		mg/L	1		SM 5310D	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Color	50.0		5.00		Color Units	1		SM 2120B	Total/NA

Client Sample ID: MW-3B

Lab Sample ID: 480-67407-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.95				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-3B (Continued)

Lab Sample ID: 480-67407-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field Conductivity	452				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	10.72				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	30.9				NTU	1		Field Sampling	Total/NA
Field EH/ORP	184.6				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.46				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	2.8		0.20		mg/L	1		6010C	Total/NA
Barium	0.49		0.0020		mg/L	1		6010C	Total/NA
Boron	0.045		0.020		mg/L	1		6010C	Total/NA
Calcium	58.5		0.50		mg/L	1		6010C	Total/NA
Iron	2.3		0.050		mg/L	1		6010C	Total/NA
Magnesium	18.2		0.20		mg/L	1		6010C	Total/NA
Manganese	0.19		0.0030		mg/L	1		6010C	Total/NA
Potassium	1.7		0.50		mg/L	1		6010C	Total/NA
Sodium	9.5		1.0		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	221		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	146		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	74.7		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	185		50.0		mg/L	5		310.2	Total/NA
Total Kjeldahl Nitrogen	0.30		0.20		mg/L	1		351.2	Total/NA
Sulfate	15.2		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	265		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	25.3		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW-4A

Lab Sample ID: 480-67407-6

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.50				SU	1		Field Sampling	Total/NA
Field Conductivity	751				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	12.36				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	12.7				NTU	1		Field Sampling	Total/NA
Field EH/ORP	72.5				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.22				mg/L	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1.1		0.20		mg/L	1		6010C	Total/NA
Barium	1.1		0.0020		mg/L	1		6010C	Total/NA
Boron	0.079		0.020		mg/L	1		6010C	Total/NA
Calcium	115		0.50		mg/L	1		6010C	Total/NA
Iron	0.64		0.050		mg/L	1		6010C	Total/NA
Magnesium	25.7		0.20		mg/L	1		6010C	Total/NA
Manganese	1.3		0.0030		mg/L	1		6010C	Total/NA
Potassium	1.7		0.50		mg/L	1		6010C	Total/NA
Sodium	15.6		1.0		mg/L	1		6010C	Total/NA
Zinc	0.010		0.010		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	393		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	288		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	106		0.50		mg/L	1		SM 2340B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-4A (Continued)

Lab Sample ID: 480-67407-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Alkalinity, Total	300		50.0		mg/L	5			310.2	Total/NA
Total Kjeldahl Nitrogen	0.28		0.20		mg/L	1			351.2	Total/NA
Nitrate as N	0.066		0.050		mg/L	1			353.2	Total/NA
Sulfate	15.5		5.0		mg/L	1			9038	Total/NA
Total Dissolved Solids	453		10.0		mg/L	1			SM 2540C	Total/NA
Chloride	19.7		1.0		mg/L	1			SM 4500 Cl- E	Total/NA
Total Organic Carbon	1.7		1.0		mg/L	1			SM 5310D	Total/NA

Client Sample ID: MW-5A

Lab Sample ID: 480-67407-7

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil	Fac	D	Method	Prep Type
Field pH	8.47				SU	1			Field Sampling	Total/NA
Field Conductivity	266				umhos/cm	1			Field Sampling	Total/NA
Field Temperature	14.14				Degrees C	1			Field Sampling	Total/NA
Field Turbidity	8.14				NTU	1			Field Sampling	Total/NA
Field EH/ORP	6.7				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	4.99				mg/L	1			Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	0.51		0.20		mg/L	1			6010C	Total/NA
Barium	0.47		0.0020		mg/L	1			6010C	Total/NA
Boron	0.020		0.020		mg/L	1			6010C	Total/NA
Calcium	32.4		0.50		mg/L	1			6010C	Total/NA
Iron	0.55		0.050		mg/L	1			6010C	Total/NA
Magnesium	8.6		0.20		mg/L	1			6010C	Total/NA
Manganese	0.056		0.0030		mg/L	1			6010C	Total/NA
Potassium	1.3		0.50		mg/L	1			6010C	Total/NA
Sodium	11.7		1.0		mg/L	1			6010C	Total/NA
Zinc	0.011		0.010		mg/L	1			6010C	Total/NA
Hardness as calcium carbonate	117		0.50		mg/L	1			SM 2340B	Total/NA
Calcium hardness as calcium carbonate	81.0		0.50		mg/L	1			SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	35.5		0.50		mg/L	1			SM 2340B	Total/NA
Alkalinity, Total	129		20.0		mg/L	2			310.2	Total/NA
Total Kjeldahl Nitrogen	0.27		0.20		mg/L	1			351.2	Total/NA
Nitrate as N	0.11		0.050		mg/L	1			353.2	Total/NA
Sulfate	14.8		5.0		mg/L	1			9038	Total/NA
Total Dissolved Solids	154		10.0		mg/L	1			SM 2540C	Total/NA
Chloride	6.9		1.0		mg/L	1			SM 4500 Cl- E	Total/NA
Biochemical Oxygen Demand	2.5 b		2.0		mg/L	1			SM 5210B	Total/NA

Client Sample ID: MW-7A

Lab Sample ID: 480-67407-8

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil	Fac	D	Method	Prep Type
Field pH	7.00				SU	1			Field Sampling	Total/NA
Field Conductivity	1128				umhos/cm	1			Field Sampling	Total/NA
Field Temperature	11.53				Degrees C	1			Field Sampling	Total/NA
Field Turbidity	Very Turbid				NTU	1			Field Sampling	Total/NA
Field EH/ORP	101				millivolts	1			Field Sampling	Total/NA
Oxygen, Dissolved	4.36				mg/L	1			Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-7A (Continued)

Lab Sample ID: 480-67407-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.9		1.0		ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.1		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	3.2		1.0		ug/L	1		8260C	Total/NA
Bromide	0.92		0.20		mg/L	1		300.0	Total/NA
Aluminum	36.4		0.20		mg/L	1		6010C	Total/NA
Arsenic	0.016		0.015		mg/L	1		6010C	Total/NA
Barium	0.95		0.0020		mg/L	1		6010C	Total/NA
Boron	0.37		0.020		mg/L	1		6010C	Total/NA
Calcium	132		0.50		mg/L	1		6010C	Total/NA
Chromium	0.046		0.0040		mg/L	1		6010C	Total/NA
Cobalt	0.023		0.0040		mg/L	1		6010C	Total/NA
Copper	0.039		0.010		mg/L	1		6010C	Total/NA
Iron	49.1		0.050		mg/L	1		6010C	Total/NA
Lead	0.018		0.010		mg/L	1		6010C	Total/NA
Magnesium	42.7		0.20		mg/L	1		6010C	Total/NA
Manganese	5.0		0.0030		mg/L	1		6010C	Total/NA
Nickel	0.068		0.010		mg/L	1		6010C	Total/NA
Potassium	8.0		0.50		mg/L	1		6010C	Total/NA
Sodium	84.7		1.0		mg/L	1		6010C	Total/NA
Vanadium	0.048		0.0050		mg/L	1		6010C	Total/NA
Zinc	0.12		0.010		mg/L	1		6010C	Total/NA
Barium	0.51	B	0.0020		mg/L	1		6010C	Dissolved
Boron	0.39		0.020		mg/L	1		6010C	Dissolved
Calcium	133		0.50		mg/L	1		6010C	Dissolved
Magnesium	34.0		0.20		mg/L	1		6010C	Dissolved
Manganese	3.2		0.0030		mg/L	1		6010C	Dissolved
Nickel	0.014		0.010		mg/L	1		6010C	Dissolved
Potassium	1.5		0.50		mg/L	1		6010C	Dissolved
Sodium	85.5		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	506		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	330		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	176		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	388		100		mg/L	10		310.2	Total/NA
Ammonia	0.091		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	1.4		0.20		mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	19.0		10.0		mg/L	1		410.4	Total/NA
Sulfate	33.1		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	649		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	78.3		2.0		mg/L	2		SM 4500 Cl- E	Total/NA
Total Organic Carbon	4.3		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-67407-9

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1

Lab Sample ID: 480-67323-1

Date Collected: 09/15/14 15:00

Matrix: Water

Date Received: 09/16/14 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 19:05	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/26/14 19:05	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 19:05	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/26/14 19:05	1
1,1-Dichloroethane	ND		1.0		ug/L			09/26/14 19:05	1
1,1-Dichloroethene	ND		1.0		ug/L			09/26/14 19:05	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/26/14 19:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/26/14 19:05	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/26/14 19:05	1
1,2-Dichloroethane	ND		1.0		ug/L			09/26/14 19:05	1
1,2-Dichloropropane	ND		1.0		ug/L			09/26/14 19:05	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/26/14 19:05	1
2-Butanone (MEK)	ND		10		ug/L			09/26/14 19:05	1
2-Hexanone	ND		5.0		ug/L			09/26/14 19:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/26/14 19:05	1
Acetone	ND		10		ug/L			09/26/14 19:05	1
Acrylonitrile	ND		5.0		ug/L			09/26/14 19:05	1
Benzene	ND		1.0		ug/L			09/26/14 19:05	1
Chlorobromomethane	ND		1.0		ug/L			09/26/14 19:05	1
Bromodichloromethane	ND		1.0		ug/L			09/26/14 19:05	1
Bromoform	ND		1.0		ug/L			09/26/14 19:05	1
Bromomethane	ND		1.0		ug/L			09/26/14 19:05	1
Carbon disulfide	ND		1.0		ug/L			09/26/14 19:05	1
Carbon tetrachloride	ND		1.0		ug/L			09/26/14 19:05	1
Chlorobenzene	ND		1.0		ug/L			09/26/14 19:05	1
Dibromochloromethane	ND		1.0		ug/L			09/26/14 19:05	1
Chloroethane	ND		1.0		ug/L			09/26/14 19:05	1
Chloroform	ND		1.0		ug/L			09/26/14 19:05	1
Chloromethane	ND		1.0		ug/L			09/26/14 19:05	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 19:05	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 19:05	1
Dibromomethane	ND		1.0		ug/L			09/26/14 19:05	1
Ethylbenzene	ND		1.0		ug/L			09/26/14 19:05	1
1,2-Dibromoethane	ND		1.0		ug/L			09/26/14 19:05	1
Iodomethane	ND		1.0		ug/L			09/26/14 19:05	1
Methylene Chloride	ND		1.0		ug/L			09/26/14 19:05	1
Styrene	ND		1.0		ug/L			09/26/14 19:05	1
Tetrachloroethene	ND		1.0		ug/L			09/26/14 19:05	1
Trichlorofluoromethane	ND		1.0		ug/L			09/26/14 19:05	1
Trichloroethene	ND		1.0		ug/L			09/26/14 19:05	1
Toluene	ND		1.0		ug/L			09/26/14 19:05	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 19:05	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 19:05	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/26/14 19:05	1
Vinyl acetate	ND		5.0		ug/L			09/26/14 19:05	1
Vinyl chloride	ND		1.0		ug/L			09/26/14 19:05	1
Xylenes, Total	ND		2.0		ug/L			09/26/14 19:05	1
m,p-Xylene	ND		2.0		ug/L			09/26/14 19:05	1
o-Xylene	ND		1.0		ug/L			09/26/14 19:05	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1

Lab Sample ID: 480-67323-1

Date Collected: 09/15/14 15:00

Matrix: Water

Date Received: 09/16/14 02:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		66 - 137		09/26/14 19:05	1
Toluene-d8 (Surr)	94		71 - 126		09/26/14 19:05	1
4-Bromofluorobenzene (Surr)	95		73 - 120		09/26/14 19:05	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/22/14 17:45	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8.7		0.20		mg/L		09/17/14 08:27	09/17/14 19:48	1
Antimony	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:48	1
Arsenic	ND		0.015		mg/L		09/17/14 08:27	09/17/14 19:48	1
Barium	0.17		0.0020		mg/L		09/17/14 08:27	09/17/14 19:48	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:48	1
Boron	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:48	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:48	1
Calcium	44.6		0.50		mg/L		09/17/14 08:27	09/17/14 19:48	1
Chromium	0.012		0.0040		mg/L		09/17/14 08:27	09/17/14 19:48	1
Cobalt	0.0043		0.0040		mg/L		09/17/14 08:27	09/17/14 19:48	1
Copper	0.019		0.010		mg/L		09/17/14 08:27	09/17/14 19:48	1
Iron	9.4		0.050		mg/L		09/17/14 08:27	09/17/14 19:48	1
Lead	0.011		0.010		mg/L		09/17/14 08:27	09/17/14 19:48	1
Magnesium	12.3		0.20		mg/L		09/17/14 08:27	09/17/14 19:48	1
Manganese	1.8		0.0030		mg/L		09/17/14 08:27	09/17/14 19:48	1
Nickel	0.010		0.010		mg/L		09/17/14 08:27	09/17/14 19:48	1
Potassium	3.4		0.50		mg/L		09/17/14 08:27	09/17/14 19:48	1
Selenium	ND		0.025		mg/L		09/17/14 08:27	09/17/14 19:48	1
Silver	ND		0.0060		mg/L		09/17/14 08:27	09/17/14 19:48	1
Sodium	7.8		1.0		mg/L		09/17/14 08:27	09/17/14 19:48	1
Thallium	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:48	1
Vanadium	0.013		0.0050		mg/L		09/17/14 08:27	09/17/14 19:48	1
Zinc	0.033		0.010		mg/L		09/17/14 08:27	09/17/14 19:48	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/17/14 08:05	09/18/14 17:10	1
Antimony	ND		0.020		mg/L		09/17/14 08:05	09/18/14 17:10	1
Arsenic	ND		0.015		mg/L		09/17/14 08:05	09/18/14 17:10	1
Barium	0.061		0.0020		mg/L		09/17/14 08:05	09/18/14 17:10	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:05	09/18/14 17:10	1
Boron	ND		0.020		mg/L		09/17/14 08:05	09/18/14 17:10	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:05	09/18/14 17:10	1
Calcium	36.6		0.50		mg/L		09/17/14 08:05	09/18/14 17:10	1
Chromium	ND		0.0040		mg/L		09/17/14 08:05	09/18/14 17:10	1
Cobalt	ND		0.0040		mg/L		09/17/14 08:05	09/18/14 17:10	1
Copper	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:10	1
Iron	ND		0.050		mg/L		09/17/14 08:05	09/18/14 17:10	1
Lead	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:10	1
Magnesium	9.7		0.20		mg/L		09/17/14 08:05	09/18/14 17:10	1
Manganese	0.0082		0.0030		mg/L		09/17/14 08:05	09/18/14 17:10	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1

Lab Sample ID: 480-67323-1

Date Collected: 09/15/14 15:00

Matrix: Water

Date Received: 09/16/14 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:10	1
Potassium	1.0		0.50		mg/L		09/17/14 08:05	09/18/14 17:10	1
Selenium	ND		0.025		mg/L		09/17/14 08:05	09/18/14 17:10	1
Silver	ND		0.0060		mg/L		09/17/14 08:05	09/18/14 17:10	1
Sodium	4.5		1.0		mg/L		09/17/14 08:05	09/18/14 17:10	1
Thallium	ND		0.020		mg/L		09/17/14 08:05	09/18/14 17:10	1
Zinc	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:10	1
Vanadium	ND		0.0050		mg/L		09/17/14 08:05	09/18/14 17:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 14:43	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	162		0.50		mg/L			09/21/14 20:31	1
Calcium hardness as calcium carbonate	111		0.50		mg/L			09/21/14 20:31	1
Magnesium hardness as calcium carbonate	50.5		0.50		mg/L			09/21/14 20:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	129		50.0		mg/L			09/26/14 12:30	5
Ammonia	0.022		0.020		mg/L			09/17/14 16:11	1
Total Kjeldahl Nitrogen	0.56		0.20		mg/L		09/25/14 06:19	09/25/14 11:36	1
Nitrate as N	0.063		0.050		mg/L			09/17/14 00:18	1
Chemical Oxygen Demand	ND		10.0		mg/L			09/24/14 09:38	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/25/14 08:54	09/26/14 13:07	1
Chromium, hexavalent	ND		0.010		mg/L			09/16/14 13:23	1
Sulfate	20.7		5.0		mg/L			09/18/14 10:11	1
Total Dissolved Solids	172		10.0		mg/L			09/17/14 15:31	1
Chloride	1.4		1.0		mg/L			09/26/14 13:24	1
Cyanide, Total	ND		0.010		mg/L		09/22/14 21:50	09/23/14 19:23	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/17/14 13:15	1
Total Organic Carbon	ND		1.0		mg/L			09/18/14 17:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/16/14 23:40	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.10				SU			09/15/14 15:00	1
Field Conductivity	292				umhos/cm			09/15/14 15:00	1
Field Temperature	12.73				Degrees C			09/15/14 15:00	1
Field Turbidity	82.9				NTU			09/15/14 15:00	1
Field EH/ORP	95.8				millivolts			09/15/14 15:00	1
Oxygen, Dissolved	4.22				mg/L			09/15/14 15:00	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1RA

Lab Sample ID: 480-67323-2

Date Collected: 09/15/14 15:45

Matrix: Water

Date Received: 09/16/14 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 19:30	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/26/14 19:30	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 19:30	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/26/14 19:30	1
1,1-Dichloroethane	ND		1.0		ug/L			09/26/14 19:30	1
1,1-Dichloroethene	ND		1.0		ug/L			09/26/14 19:30	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/26/14 19:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/26/14 19:30	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/26/14 19:30	1
1,2-Dichloroethane	ND		1.0		ug/L			09/26/14 19:30	1
1,2-Dichloropropane	ND		1.0		ug/L			09/26/14 19:30	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/26/14 19:30	1
2-Butanone (MEK)	ND		10		ug/L			09/26/14 19:30	1
2-Hexanone	ND		5.0		ug/L			09/26/14 19:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/26/14 19:30	1
Acetone	ND		10		ug/L			09/26/14 19:30	1
Acrylonitrile	ND		5.0		ug/L			09/26/14 19:30	1
Benzene	ND		1.0		ug/L			09/26/14 19:30	1
Chlorobromomethane	ND		1.0		ug/L			09/26/14 19:30	1
Bromodichloromethane	ND		1.0		ug/L			09/26/14 19:30	1
Bromoform	ND		1.0		ug/L			09/26/14 19:30	1
Bromomethane	ND		1.0		ug/L			09/26/14 19:30	1
Carbon disulfide	ND		1.0		ug/L			09/26/14 19:30	1
Carbon tetrachloride	ND		1.0		ug/L			09/26/14 19:30	1
Chlorobenzene	ND		1.0		ug/L			09/26/14 19:30	1
Dibromochloromethane	ND		1.0		ug/L			09/26/14 19:30	1
Chloroethane	ND		1.0		ug/L			09/26/14 19:30	1
Chloroform	ND		1.0		ug/L			09/26/14 19:30	1
Chloromethane	ND		1.0		ug/L			09/26/14 19:30	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 19:30	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 19:30	1
Dibromomethane	ND		1.0		ug/L			09/26/14 19:30	1
Ethylbenzene	ND		1.0		ug/L			09/26/14 19:30	1
1,2-Dibromoethane	ND		1.0		ug/L			09/26/14 19:30	1
Iodomethane	ND		1.0		ug/L			09/26/14 19:30	1
Methylene Chloride	ND		1.0		ug/L			09/26/14 19:30	1
Styrene	ND		1.0		ug/L			09/26/14 19:30	1
Tetrachloroethene	ND		1.0		ug/L			09/26/14 19:30	1
Trichlorofluoromethane	ND		1.0		ug/L			09/26/14 19:30	1
Trichloroethene	ND		1.0		ug/L			09/26/14 19:30	1
Toluene	ND		1.0		ug/L			09/26/14 19:30	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 19:30	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 19:30	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/26/14 19:30	1
Vinyl acetate	ND		5.0		ug/L			09/26/14 19:30	1
Vinyl chloride	ND		1.0		ug/L			09/26/14 19:30	1
Xylenes, Total	ND		2.0		ug/L			09/26/14 19:30	1
m,p-Xylene	ND		2.0		ug/L			09/26/14 19:30	1
o-Xylene	ND		1.0		ug/L			09/26/14 19:30	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1RA

Lab Sample ID: 480-67323-2

Date Collected: 09/15/14 15:45

Matrix: Water

Date Received: 09/16/14 02:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		66 - 137		09/26/14 19:30	1
Toluene-d8 (Surr)	93		71 - 126		09/26/14 19:30	1
4-Bromofluorobenzene (Surr)	93		73 - 120		09/26/14 19:30	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/22/14 18:01	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7.8		0.20		mg/L		09/17/14 08:27	09/17/14 19:50	1
Antimony	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:50	1
Arsenic	ND		0.015		mg/L		09/17/14 08:27	09/17/14 19:50	1
Barium	0.23		0.0020		mg/L		09/17/14 08:27	09/17/14 19:50	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:50	1
Boron	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:50	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:50	1
Calcium	48.3		0.50		mg/L		09/17/14 08:27	09/17/14 19:50	1
Chromium	0.0091		0.0040		mg/L		09/17/14 08:27	09/17/14 19:50	1
Cobalt	0.0047		0.0040		mg/L		09/17/14 08:27	09/17/14 19:50	1
Copper	0.010		0.010		mg/L		09/17/14 08:27	09/17/14 19:50	1
Iron	10.3		0.050		mg/L		09/17/14 08:27	09/17/14 19:50	1
Lead	0.025		0.010		mg/L		09/17/14 08:27	09/17/14 19:50	1
Magnesium	14.7		0.20		mg/L		09/17/14 08:27	09/17/14 19:50	1
Manganese	0.47		0.0030		mg/L		09/17/14 08:27	09/17/14 19:50	1
Nickel	0.012		0.010		mg/L		09/17/14 08:27	09/17/14 19:50	1
Potassium	2.6		0.50		mg/L		09/17/14 08:27	09/17/14 19:50	1
Selenium	ND		0.025		mg/L		09/17/14 08:27	09/17/14 19:50	1
Silver	ND		0.0060		mg/L		09/17/14 08:27	09/17/14 19:50	1
Sodium	5.4		1.0		mg/L		09/17/14 08:27	09/17/14 19:50	1
Thallium	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:50	1
Vanadium	0.011		0.0050		mg/L		09/17/14 08:27	09/17/14 19:50	1
Zinc	0.035		0.010		mg/L		09/17/14 08:27	09/17/14 19:50	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/17/14 08:05	09/18/14 17:13	1
Antimony	ND		0.020		mg/L		09/17/14 08:05	09/18/14 17:13	1
Arsenic	ND		0.015		mg/L		09/17/14 08:05	09/18/14 17:13	1
Barium	0.16		0.0020		mg/L		09/17/14 08:05	09/18/14 17:13	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:05	09/18/14 17:13	1
Boron	ND		0.020		mg/L		09/17/14 08:05	09/18/14 17:13	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:05	09/18/14 17:13	1
Calcium	37.8		0.50		mg/L		09/17/14 08:05	09/18/14 17:13	1
Chromium	ND		0.0040		mg/L		09/17/14 08:05	09/18/14 17:13	1
Cobalt	ND		0.0040		mg/L		09/17/14 08:05	09/18/14 17:13	1
Copper	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:13	1
Iron	ND		0.050		mg/L		09/17/14 08:05	09/18/14 17:13	1
Lead	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:13	1
Magnesium	10.4		0.20		mg/L		09/17/14 08:05	09/18/14 17:13	1
Manganese	0.22		0.0030		mg/L		09/17/14 08:05	09/18/14 17:13	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1RA

Lab Sample ID: 480-67323-2

Date Collected: 09/15/14 15:45

Matrix: Water

Date Received: 09/16/14 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:13	1
Potassium	0.76		0.50		mg/L		09/17/14 08:05	09/18/14 17:13	1
Selenium	ND		0.025		mg/L		09/17/14 08:05	09/18/14 17:13	1
Silver	ND		0.0060		mg/L		09/17/14 08:05	09/18/14 17:13	1
Sodium	5.3		1.0		mg/L		09/17/14 08:05	09/18/14 17:13	1
Thallium	ND		0.020		mg/L		09/17/14 08:05	09/18/14 17:13	1
Zinc	ND		0.010		mg/L		10/06/14 13:03	10/08/14 12:40	1
Vanadium	ND		0.0050		mg/L		09/17/14 08:05	09/18/14 17:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 14:45	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	181		0.50		mg/L			09/21/14 20:31	1
Calcium hardness as calcium carbonate	121		0.50		mg/L			09/21/14 20:31	1
Magnesium hardness as calcium carbonate	60.7		0.50		mg/L			09/21/14 20:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	144		20.0		mg/L			09/27/14 10:22	2
Ammonia	0.026		0.020		mg/L			09/17/14 16:12	1
Total Kjeldahl Nitrogen	0.31		0.20		mg/L		09/25/14 06:19	09/25/14 11:36	1
Nitrate as N	ND		0.050		mg/L			09/16/14 21:46	1
Chemical Oxygen Demand	ND		10.0		mg/L			09/23/14 20:50	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/25/14 08:54	09/26/14 13:07	1
Chromium, hexavalent	ND		0.010		mg/L			09/16/14 13:23	1
Sulfate	18.7		5.0		mg/L			09/17/14 13:20	1
Total Dissolved Solids	173		10.0		mg/L			09/17/14 15:32	1
Chloride	2.8		1.0		mg/L			09/26/14 13:24	1
Cyanide, Total	ND		0.010		mg/L		09/22/14 21:50	09/23/14 19:25	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/17/14 13:15	1
Total Organic Carbon	ND		1.0		mg/L			09/23/14 21:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/16/14 23:40	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.19				SU			09/15/14 15:45	1
Field Conductivity	313				umhos/cm			09/15/14 15:45	1
Field Temperature	10.99				Degrees C			09/15/14 15:45	1
Field Turbidity	104				NTU			09/15/14 15:45	1
Field EH/ORP	110.4				millivolts			09/15/14 15:45	1
Oxygen, Dissolved	4.51				mg/L			09/15/14 15:45	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1B

Lab Sample ID: 480-67323-3

Date Collected: 09/15/14 16:15

Matrix: Water

Date Received: 09/16/14 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 19:55	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/26/14 19:55	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 19:55	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/26/14 19:55	1
1,1-Dichloroethane	ND		1.0		ug/L			09/26/14 19:55	1
1,1-Dichloroethene	ND		1.0		ug/L			09/26/14 19:55	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/26/14 19:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/26/14 19:55	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/26/14 19:55	1
1,2-Dichloroethane	ND		1.0		ug/L			09/26/14 19:55	1
1,2-Dichloropropane	ND		1.0		ug/L			09/26/14 19:55	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/26/14 19:55	1
2-Butanone (MEK)	ND		10		ug/L			09/26/14 19:55	1
2-Hexanone	ND		5.0		ug/L			09/26/14 19:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/26/14 19:55	1
Acetone	ND		10		ug/L			09/26/14 19:55	1
Acrylonitrile	ND		5.0		ug/L			09/26/14 19:55	1
Benzene	ND		1.0		ug/L			09/26/14 19:55	1
Chlorobromomethane	ND		1.0		ug/L			09/26/14 19:55	1
Bromodichloromethane	ND		1.0		ug/L			09/26/14 19:55	1
Bromoform	ND		1.0		ug/L			09/26/14 19:55	1
Bromomethane	ND		1.0		ug/L			09/26/14 19:55	1
Carbon disulfide	ND		1.0		ug/L			09/26/14 19:55	1
Carbon tetrachloride	ND		1.0		ug/L			09/26/14 19:55	1
Chlorobenzene	ND		1.0		ug/L			09/26/14 19:55	1
Dibromochloromethane	ND		1.0		ug/L			09/26/14 19:55	1
Chloroethane	ND		1.0		ug/L			09/26/14 19:55	1
Chloroform	ND		1.0		ug/L			09/26/14 19:55	1
Chloromethane	ND		1.0		ug/L			09/26/14 19:55	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 19:55	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 19:55	1
Dibromomethane	ND		1.0		ug/L			09/26/14 19:55	1
Ethylbenzene	ND		1.0		ug/L			09/26/14 19:55	1
1,2-Dibromoethane	ND		1.0		ug/L			09/26/14 19:55	1
Iodomethane	ND		1.0		ug/L			09/26/14 19:55	1
Methylene Chloride	ND		1.0		ug/L			09/26/14 19:55	1
Styrene	ND		1.0		ug/L			09/26/14 19:55	1
Tetrachloroethene	ND		1.0		ug/L			09/26/14 19:55	1
Trichlorofluoromethane	ND		1.0		ug/L			09/26/14 19:55	1
Trichloroethene	ND		1.0		ug/L			09/26/14 19:55	1
Toluene	ND		1.0		ug/L			09/26/14 19:55	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 19:55	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 19:55	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/26/14 19:55	1
Vinyl acetate	ND		5.0		ug/L			09/26/14 19:55	1
Vinyl chloride	ND		1.0		ug/L			09/26/14 19:55	1
Xylenes, Total	ND		2.0		ug/L			09/26/14 19:55	1
m,p-Xylene	ND		2.0		ug/L			09/26/14 19:55	1
o-Xylene	ND		1.0		ug/L			09/26/14 19:55	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1B

Lab Sample ID: 480-67323-3

Date Collected: 09/15/14 16:15

Matrix: Water

Date Received: 09/16/14 02:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		66 - 137		09/26/14 19:55	1
Toluene-d8 (Surr)	93		71 - 126		09/26/14 19:55	1
4-Bromofluorobenzene (Surr)	91		73 - 120		09/26/14 19:55	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/22/14 18:17	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.32		0.20		mg/L		09/17/14 08:27	09/17/14 19:53	1
Antimony	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:53	1
Arsenic	ND		0.015		mg/L		09/17/14 08:27	09/17/14 19:53	1
Barium	0.19		0.0020		mg/L		09/17/14 08:27	09/17/14 19:53	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:53	1
Boron	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:53	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:53	1
Calcium	22.9		0.50		mg/L		09/17/14 08:27	09/17/14 19:53	1
Chromium	ND		0.0040		mg/L		09/17/14 08:27	09/17/14 19:53	1
Cobalt	ND		0.0040		mg/L		09/17/14 08:27	09/17/14 19:53	1
Copper	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:53	1
Iron	0.54		0.050		mg/L		09/17/14 08:27	09/17/14 19:53	1
Lead	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:53	1
Magnesium	6.1		0.20		mg/L		09/17/14 08:27	09/17/14 19:53	1
Manganese	1.2		0.0030		mg/L		09/17/14 08:27	09/17/14 19:53	1
Nickel	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:53	1
Potassium	0.56		0.50		mg/L		09/17/14 08:27	09/17/14 19:53	1
Selenium	ND		0.025		mg/L		09/17/14 08:27	09/17/14 19:53	1
Silver	ND		0.0060		mg/L		09/17/14 08:27	09/17/14 19:53	1
Sodium	5.4		1.0		mg/L		09/17/14 08:27	09/17/14 19:53	1
Thallium	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:53	1
Vanadium	ND		0.0050		mg/L		09/17/14 08:27	09/17/14 19:53	1
Zinc	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 14:47	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	82.2		0.50		mg/L			09/21/14 20:31	1
Calcium hardness as calcium carbonate	57.2		0.50		mg/L			09/21/14 20:31	1
Magnesium hardness as calcium carbonate	25.0		0.50		mg/L			09/21/14 20:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	99.3		10.0		mg/L			09/17/14 23:49	1
Ammonia	ND		0.020		mg/L			09/17/14 16:13	1
Total Kjeldahl Nitrogen	ND		0.20		mg/L		09/25/14 06:19	09/25/14 11:36	1
Nitrate as N	ND		0.050		mg/L			09/16/14 21:47	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1B

Lab Sample ID: 480-67323-3

Date Collected: 09/15/14 16:15

Matrix: Water

Date Received: 09/16/14 02:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			09/23/14 20:50	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/25/14 08:54	09/26/14 13:07	1
Chromium, hexavalent	ND		0.010		mg/L			09/16/14 13:23	1
Sulfate	8.3		5.0		mg/L			09/17/14 13:20	1
Total Dissolved Solids	90.0		10.0		mg/L			09/17/14 15:34	1
Chloride	2.1		1.0		mg/L			10/07/14 10:14	1
Cyanide, Total	ND		0.010		mg/L		09/22/14 21:50	09/23/14 19:26	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/17/14 13:15	1
Total Organic Carbon	ND		1.0		mg/L			09/18/14 18:53	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/16/14 23:40	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.21				SU			09/15/14 16:15	1
Field Conductivity	206				umhos/cm			09/15/14 16:15	1
Field Temperature	15.04				Degrees C			09/15/14 16:15	1
Field Turbidity	38.3				NTU			09/15/14 16:15	1
Field EH/ORP	108.1				millivolts			09/15/14 16:15	1
Oxygen, Dissolved	4.20				mg/L			09/15/14 16:15	1

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-6A

Lab Sample ID: 480-67323-4

Date Collected: 09/15/14 13:25

Matrix: Water

Date Received: 09/16/14 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 20:21	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/26/14 20:21	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 20:21	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/26/14 20:21	1
1,1-Dichloroethane	ND		1.0		ug/L			09/26/14 20:21	1
1,1-Dichloroethene	ND		1.0		ug/L			09/26/14 20:21	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/26/14 20:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/26/14 20:21	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/26/14 20:21	1
1,2-Dichloroethane	ND		1.0		ug/L			09/26/14 20:21	1
1,2-Dichloropropane	ND		1.0		ug/L			09/26/14 20:21	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/26/14 20:21	1
2-Butanone (MEK)	ND		10		ug/L			09/26/14 20:21	1
2-Hexanone	ND		5.0		ug/L			09/26/14 20:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/26/14 20:21	1
Acetone	ND		10		ug/L			09/26/14 20:21	1
Acrylonitrile	ND		5.0		ug/L			09/26/14 20:21	1
Benzene	ND		1.0		ug/L			09/26/14 20:21	1
Chlorobromomethane	ND		1.0		ug/L			09/26/14 20:21	1
Bromodichloromethane	ND		1.0		ug/L			09/26/14 20:21	1
Bromoform	ND		1.0		ug/L			09/26/14 20:21	1
Bromomethane	ND		1.0		ug/L			09/26/14 20:21	1
Carbon disulfide	ND		1.0		ug/L			09/26/14 20:21	1
Carbon tetrachloride	ND		1.0		ug/L			09/26/14 20:21	1
Chlorobenzene	ND		1.0		ug/L			09/26/14 20:21	1
Dibromochloromethane	ND		1.0		ug/L			09/26/14 20:21	1
Chloroethane	ND		1.0		ug/L			09/26/14 20:21	1
Chloroform	ND		1.0		ug/L			09/26/14 20:21	1
Chloromethane	ND		1.0		ug/L			09/26/14 20:21	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 20:21	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 20:21	1
Dibromomethane	ND		1.0		ug/L			09/26/14 20:21	1
Ethylbenzene	ND		1.0		ug/L			09/26/14 20:21	1
1,2-Dibromoethane	ND		1.0		ug/L			09/26/14 20:21	1
Iodomethane	ND		1.0		ug/L			09/26/14 20:21	1
Methylene Chloride	ND		1.0		ug/L			09/26/14 20:21	1
Styrene	ND		1.0		ug/L			09/26/14 20:21	1
Tetrachloroethene	ND		1.0		ug/L			09/26/14 20:21	1
Trichlorofluoromethane	ND		1.0		ug/L			09/26/14 20:21	1
Trichloroethene	ND		1.0		ug/L			09/26/14 20:21	1
Toluene	ND		1.0		ug/L			09/26/14 20:21	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 20:21	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 20:21	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/26/14 20:21	1
Vinyl acetate	ND		5.0		ug/L			09/26/14 20:21	1
Vinyl chloride	ND		1.0		ug/L			09/26/14 20:21	1
Xylenes, Total	ND		2.0		ug/L			09/26/14 20:21	1
m,p-Xylene	ND		2.0		ug/L			09/26/14 20:21	1
o-Xylene	ND		1.0		ug/L			09/26/14 20:21	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-6A

Lab Sample ID: 480-67323-4

Date Collected: 09/15/14 13:25

Matrix: Water

Date Received: 09/16/14 02:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		66 - 137		09/26/14 20:21	1
Toluene-d8 (Surr)	94		71 - 126		09/26/14 20:21	1
4-Bromofluorobenzene (Surr)	92		73 - 120		09/26/14 20:21	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/24/14 18:05	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	37.6		0.20		mg/L		09/17/14 08:27	09/17/14 19:56	1
Antimony	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:56	1
Arsenic	0.039		0.015		mg/L		09/17/14 08:27	09/17/14 19:56	1
Barium	0.83		0.0020		mg/L		09/17/14 08:27	09/17/14 19:56	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:56	1
Boron	0.038		0.020		mg/L		09/17/14 08:27	09/17/14 19:56	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:56	1
Calcium	53.5		0.50		mg/L		09/17/14 08:27	09/17/14 19:56	1
Chromium	0.052		0.0040		mg/L		09/17/14 08:27	09/17/14 19:56	1
Cobalt	0.038		0.0040		mg/L		09/17/14 08:27	09/17/14 19:56	1
Copper	0.054		0.010		mg/L		09/17/14 08:27	09/17/14 19:56	1
Iron	57.3		0.050		mg/L		09/17/14 08:27	09/17/14 19:56	1
Lead	0.028		0.010		mg/L		09/17/14 08:27	09/17/14 19:56	1
Magnesium	19.2		0.20		mg/L		09/17/14 08:27	09/17/14 19:56	1
Manganese	3.4		0.0030		mg/L		09/17/14 08:27	09/17/14 19:56	1
Nickel	0.072		0.010		mg/L		09/17/14 08:27	09/17/14 19:56	1
Potassium	9.3		0.50		mg/L		09/17/14 08:27	09/17/14 19:56	1
Selenium	ND		0.025		mg/L		09/17/14 08:27	09/17/14 19:56	1
Silver	ND		0.0060		mg/L		09/17/14 08:27	09/17/14 19:56	1
Sodium	17.6		1.0		mg/L		09/17/14 08:27	09/17/14 19:56	1
Thallium	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:56	1
Vanadium	0.051		0.0050		mg/L		09/17/14 08:27	09/17/14 19:56	1
Zinc	0.12		0.010		mg/L		09/17/14 08:27	09/17/14 19:56	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/17/14 08:05	09/18/14 17:15	1
Antimony	ND		0.020		mg/L		09/17/14 08:05	09/18/14 17:15	1
Arsenic	ND		0.015		mg/L		09/17/14 08:05	09/18/14 17:15	1
Barium	0.44		0.0020		mg/L		09/17/14 08:05	09/18/14 17:15	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:05	09/18/14 17:15	1
Boron	0.028		0.020		mg/L		09/17/14 08:05	09/18/14 17:15	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:05	09/18/14 17:15	1
Calcium	53.0		0.50		mg/L		09/17/14 08:05	09/18/14 17:15	1
Chromium	ND		0.0040		mg/L		09/17/14 08:05	09/18/14 17:15	1
Cobalt	ND		0.0040		mg/L		09/17/14 08:05	09/18/14 17:15	1
Copper	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:15	1
Iron	ND		0.050		mg/L		09/17/14 08:05	09/18/14 17:15	1
Lead	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:15	1
Magnesium	9.2		0.20		mg/L		09/17/14 08:05	09/18/14 17:15	1
Manganese	2.7		0.0030		mg/L		09/17/14 08:05	09/18/14 17:15	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-6A

Lab Sample ID: 480-67323-4

Date Collected: 09/15/14 13:25

Matrix: Water

Date Received: 09/16/14 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010		mg/L		09/17/14 08:05	09/18/14 17:15	1
Potassium	1.9		0.50		mg/L		09/17/14 08:05	09/18/14 17:15	1
Selenium	ND		0.025		mg/L		09/17/14 08:05	09/18/14 17:15	1
Silver	ND		0.0060		mg/L		09/17/14 08:05	09/18/14 17:15	1
Sodium	18.6		1.0		mg/L		09/17/14 08:05	09/18/14 17:15	1
Thallium	ND		0.020		mg/L		09/17/14 08:05	09/18/14 17:15	1
Zinc	ND		0.010		mg/L		10/06/14 13:03	10/08/14 12:43	1
Vanadium	ND		0.0050		mg/L		09/17/14 08:05	09/18/14 17:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 14:52	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	213		0.50		mg/L			09/21/14 20:31	1
Calcium hardness as calcium carbonate	134		0.50		mg/L			09/21/14 20:31	1
Magnesium hardness as calcium carbonate	79.2		0.50		mg/L			09/21/14 20:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	162		50.0		mg/L			09/18/14 04:22	5
Ammonia	0.091		0.020		mg/L			09/17/14 16:14	1
Total Kjeldahl Nitrogen	1.5		0.20		mg/L		09/25/14 06:19	09/25/14 11:36	1
Nitrate as N	ND		0.050		mg/L			09/16/14 21:49	1
Chemical Oxygen Demand	11.9		10.0		mg/L			09/23/14 20:50	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/25/14 08:54	09/26/14 13:07	1
Chromium, hexavalent	ND		0.010		mg/L			09/16/14 13:23	1
Sulfate	17.8		5.0		mg/L			09/19/14 11:17	1
Total Dissolved Solids	232		10.0		mg/L			09/17/14 15:37	1
Chloride	30.2		1.0		mg/L			10/07/14 10:14	1
Cyanide, Total	ND		0.010		mg/L		09/22/14 21:50	09/23/14 19:28	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/16/14 18:13	1
Total Organic Carbon	2.2		1.0		mg/L			09/18/14 19:24	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/16/14 23:40	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.10				SU			09/15/14 13:25	1
Field Conductivity	461				umhos/cm			09/15/14 13:25	1
Field Temperature	14.02				Degrees C			09/15/14 13:25	1
Field Turbidity	Very Turbid				NTU			09/15/14 13:25	1
Field EH/ORP	54.1				millivolts			09/15/14 13:25	1
Oxygen, Dissolved	4.44				mg/L			09/15/14 13:25	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-6B

Lab Sample ID: 480-67323-5

Date Collected: 09/15/14 13:45

Matrix: Water

Date Received: 09/16/14 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 20:45	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/26/14 20:45	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 20:45	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/26/14 20:45	1
1,1-Dichloroethane	ND		1.0		ug/L			09/26/14 20:45	1
1,1-Dichloroethene	ND		1.0		ug/L			09/26/14 20:45	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/26/14 20:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/26/14 20:45	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/26/14 20:45	1
1,2-Dichloroethane	ND		1.0		ug/L			09/26/14 20:45	1
1,2-Dichloropropane	ND		1.0		ug/L			09/26/14 20:45	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/26/14 20:45	1
2-Butanone (MEK)	ND		10		ug/L			09/26/14 20:45	1
2-Hexanone	ND		5.0		ug/L			09/26/14 20:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/26/14 20:45	1
Acetone	ND		10		ug/L			09/26/14 20:45	1
Acrylonitrile	ND		5.0		ug/L			09/26/14 20:45	1
Benzene	ND		1.0		ug/L			09/26/14 20:45	1
Chlorobromomethane	ND		1.0		ug/L			09/26/14 20:45	1
Bromodichloromethane	ND		1.0		ug/L			09/26/14 20:45	1
Bromoform	ND		1.0		ug/L			09/26/14 20:45	1
Bromomethane	ND		1.0		ug/L			09/26/14 20:45	1
Carbon disulfide	ND		1.0		ug/L			09/26/14 20:45	1
Carbon tetrachloride	ND		1.0		ug/L			09/26/14 20:45	1
Chlorobenzene	ND		1.0		ug/L			09/26/14 20:45	1
Dibromochloromethane	ND		1.0		ug/L			09/26/14 20:45	1
Chloroethane	ND		1.0		ug/L			09/26/14 20:45	1
Chloroform	ND		1.0		ug/L			09/26/14 20:45	1
Chloromethane	ND		1.0		ug/L			09/26/14 20:45	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 20:45	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 20:45	1
Dibromomethane	ND		1.0		ug/L			09/26/14 20:45	1
Ethylbenzene	ND		1.0		ug/L			09/26/14 20:45	1
1,2-Dibromoethane	ND		1.0		ug/L			09/26/14 20:45	1
Iodomethane	ND		1.0		ug/L			09/26/14 20:45	1
Methylene Chloride	ND		1.0		ug/L			09/26/14 20:45	1
Styrene	ND		1.0		ug/L			09/26/14 20:45	1
Tetrachloroethene	ND		1.0		ug/L			09/26/14 20:45	1
Trichlorofluoromethane	ND		1.0		ug/L			09/26/14 20:45	1
Trichloroethene	ND		1.0		ug/L			09/26/14 20:45	1
Toluene	ND		1.0		ug/L			09/26/14 20:45	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 20:45	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 20:45	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/26/14 20:45	1
Vinyl acetate	ND		5.0		ug/L			09/26/14 20:45	1
Vinyl chloride	ND		1.0		ug/L			09/26/14 20:45	1
Xylenes, Total	ND		2.0		ug/L			09/26/14 20:45	1
m,p-Xylene	ND		2.0		ug/L			09/26/14 20:45	1
o-Xylene	ND		1.0		ug/L			09/26/14 20:45	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-6B

Lab Sample ID: 480-67323-5

Date Collected: 09/15/14 13:45

Matrix: Water

Date Received: 09/16/14 02:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		66 - 137		09/26/14 20:45	1
Toluene-d8 (Surr)	91		71 - 126		09/26/14 20:45	1
4-Bromofluorobenzene (Surr)	92		73 - 120		09/26/14 20:45	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/24/14 18:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13.4		0.20		mg/L		09/17/14 08:27	09/17/14 19:59	1
Antimony	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:59	1
Arsenic	ND		0.015		mg/L		09/17/14 08:27	09/17/14 19:59	1
Barium	0.69		0.0020		mg/L		09/17/14 08:27	09/17/14 19:59	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:59	1
Boron	0.033		0.020		mg/L		09/17/14 08:27	09/17/14 19:59	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:59	1
Calcium	39.4		0.50		mg/L		09/17/14 08:27	09/17/14 19:59	1
Chromium	0.0044		0.0040		mg/L		09/17/14 08:27	09/17/14 19:59	1
Cobalt	0.0042		0.0040		mg/L		09/17/14 08:27	09/17/14 19:59	1
Copper	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:59	1
Iron	7.2		0.050		mg/L		09/17/14 08:27	09/17/14 19:59	1
Lead	0.024		0.010		mg/L		09/17/14 08:27	09/17/14 19:59	1
Magnesium	14.2		0.20		mg/L		09/17/14 08:27	09/17/14 19:59	1
Manganese	1.5		0.0030		mg/L		09/17/14 08:27	09/17/14 19:59	1
Nickel	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:59	1
Potassium	2.0		0.50		mg/L		09/17/14 08:27	09/17/14 19:59	1
Selenium	ND		0.025		mg/L		09/17/14 08:27	09/17/14 19:59	1
Silver	ND		0.0060		mg/L		09/17/14 08:27	09/17/14 19:59	1
Sodium	11.0		1.0		mg/L		09/17/14 08:27	09/17/14 19:59	1
Thallium	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:59	1
Vanadium	0.0062		0.0050		mg/L		09/17/14 08:27	09/17/14 19:59	1
Zinc	0.036		0.010		mg/L		09/17/14 08:27	09/17/14 19:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 14:53	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	157		0.50		mg/L			09/21/14 20:31	1
Calcium hardness as calcium carbonate	98.4		0.50		mg/L			09/21/14 20:31	1
Magnesium hardness as calcium carbonate	58.5		0.50		mg/L			09/21/14 20:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	173		50.0		mg/L			09/26/14 12:21	5
Ammonia	ND		0.020		mg/L			09/17/14 16:17	1
Total Kjeldahl Nitrogen	0.58		0.20		mg/L		09/25/14 06:19	09/25/14 11:36	1
Nitrate as N	ND		0.050		mg/L			09/16/14 21:50	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-6B

Lab Sample ID: 480-67323-5

Date Collected: 09/15/14 13:45

Matrix: Water

Date Received: 09/16/14 02:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			09/23/14 20:50	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/25/14 08:54	09/26/14 13:07	1
Chromium, hexavalent	ND		0.010		mg/L			09/16/14 13:23	1
Sulfate	17.9		5.0		mg/L			09/19/14 11:17	1
Total Dissolved Solids	193		10.0		mg/L			09/17/14 14:18	1
Chloride	23.6		1.0		mg/L			09/17/14 23:51	1
Cyanide, Total	ND		0.010		mg/L		09/22/14 21:50	09/23/14 19:31	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/16/14 18:13	1
Total Organic Carbon	1.6		1.0		mg/L			09/18/14 19:54	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/16/14 23:40	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.18				SU			09/15/14 13:45	1
Field Conductivity	372				umhos/cm			09/15/14 13:45	1
Field Temperature	11.47				Degrees C			09/15/14 13:45	1
Field Turbidity	30.1				NTU			09/15/14 13:45	1
Field EH/ORP	138.9				millivolts			09/15/14 13:45	1
Oxygen, Dissolved	5.01				mg/L			09/15/14 13:45	1

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: Scale House

Lab Sample ID: 480-67323-6

Date Collected: 09/15/14 14:25

Matrix: Water

Date Received: 09/16/14 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 21:11	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/26/14 21:11	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 21:11	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/26/14 21:11	1
1,1-Dichloroethane	ND		1.0		ug/L			09/26/14 21:11	1
1,1-Dichloroethene	ND		1.0		ug/L			09/26/14 21:11	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/26/14 21:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/26/14 21:11	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/26/14 21:11	1
1,2-Dichloroethane	ND		1.0		ug/L			09/26/14 21:11	1
1,2-Dichloropropane	ND		1.0		ug/L			09/26/14 21:11	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/26/14 21:11	1
2-Butanone (MEK)	ND		10		ug/L			09/26/14 21:11	1
2-Hexanone	ND		5.0		ug/L			09/26/14 21:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/26/14 21:11	1
Acetone	ND		10		ug/L			09/26/14 21:11	1
Acrylonitrile	ND		5.0		ug/L			09/26/14 21:11	1
Benzene	ND		1.0		ug/L			09/26/14 21:11	1
Chlorobromomethane	ND		1.0		ug/L			09/26/14 21:11	1
Bromodichloromethane	ND		1.0		ug/L			09/26/14 21:11	1
Bromoform	ND		1.0		ug/L			09/26/14 21:11	1
Bromomethane	ND		1.0		ug/L			09/26/14 21:11	1
Carbon disulfide	ND		1.0		ug/L			09/26/14 21:11	1
Carbon tetrachloride	ND		1.0		ug/L			09/26/14 21:11	1
Chlorobenzene	ND		1.0		ug/L			09/26/14 21:11	1
Dibromochloromethane	ND		1.0		ug/L			09/26/14 21:11	1
Chloroethane	ND		1.0		ug/L			09/26/14 21:11	1
Chloroform	ND		1.0		ug/L			09/26/14 21:11	1
Chloromethane	ND		1.0		ug/L			09/26/14 21:11	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 21:11	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 21:11	1
Dibromomethane	ND		1.0		ug/L			09/26/14 21:11	1
Ethylbenzene	ND		1.0		ug/L			09/26/14 21:11	1
1,2-Dibromoethane	ND		1.0		ug/L			09/26/14 21:11	1
Iodomethane	ND		1.0		ug/L			09/26/14 21:11	1
Methylene Chloride	ND		1.0		ug/L			09/26/14 21:11	1
Styrene	ND		1.0		ug/L			09/26/14 21:11	1
Tetrachloroethene	ND		1.0		ug/L			09/26/14 21:11	1
Trichlorofluoromethane	ND		1.0		ug/L			09/26/14 21:11	1
Trichloroethene	ND		1.0		ug/L			09/26/14 21:11	1
Toluene	ND		1.0		ug/L			09/26/14 21:11	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 21:11	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 21:11	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/26/14 21:11	1
Vinyl acetate	ND		5.0		ug/L			09/26/14 21:11	1
Vinyl chloride	ND		1.0		ug/L			09/26/14 21:11	1
Xylenes, Total	ND		2.0		ug/L			09/26/14 21:11	1
m,p-Xylene	ND		2.0		ug/L			09/26/14 21:11	1
o-Xylene	ND		1.0		ug/L			09/26/14 21:11	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: Scale House

Lab Sample ID: 480-67323-6

Date Collected: 09/15/14 14:25

Matrix: Water

Date Received: 09/16/14 02:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		66 - 137		09/26/14 21:11	1
Toluene-d8 (Surr)	92		71 - 126		09/26/14 21:11	1
4-Bromofluorobenzene (Surr)	93		73 - 120		09/26/14 21:11	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/24/14 19:43	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/17/14 08:27	09/17/14 20:01	1
Antimony	ND		0.020		mg/L		09/17/14 08:27	09/17/14 20:01	1
Arsenic	ND		0.015		mg/L		09/17/14 08:27	09/17/14 20:01	1
Barium	0.26		0.0020		mg/L		09/17/14 08:27	09/17/14 20:01	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 20:01	1
Boron	0.044		0.020		mg/L		09/17/14 08:27	09/17/14 20:01	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 20:01	1
Calcium	41.4		0.50		mg/L		09/17/14 08:27	09/17/14 20:01	1
Chromium	ND		0.0040		mg/L		09/17/14 08:27	09/17/14 20:01	1
Cobalt	ND		0.0040		mg/L		09/17/14 08:27	09/17/14 20:01	1
Copper	0.012		0.010		mg/L		09/17/14 08:27	09/17/14 20:01	1
Iron	ND		0.050		mg/L		09/17/14 08:27	09/17/14 20:01	1
Lead	ND		0.010		mg/L		09/17/14 08:27	09/17/14 20:01	1
Magnesium	10.2		0.20		mg/L		09/17/14 08:27	09/17/14 20:01	1
Manganese	0.0092		0.0030		mg/L		09/17/14 08:27	09/17/14 20:01	1
Nickel	ND		0.010		mg/L		09/17/14 08:27	09/17/14 20:01	1
Potassium	ND		0.50		mg/L		09/17/14 08:27	09/17/14 20:01	1
Selenium	ND		0.025		mg/L		09/17/14 08:27	09/17/14 20:01	1
Silver	ND		0.0060		mg/L		09/17/14 08:27	09/17/14 20:01	1
Sodium	7.7		1.0		mg/L		09/17/14 08:27	09/17/14 20:01	1
Thallium	ND		0.020		mg/L		09/17/14 08:27	09/17/14 20:01	1
Vanadium	ND		0.0050		mg/L		09/17/14 08:27	09/17/14 20:01	1
Zinc	0.012		0.010		mg/L		09/17/14 08:27	09/17/14 20:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 14:55	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	145		0.50		mg/L			09/21/14 20:31	1
Calcium hardness as calcium carbonate	103		0.50		mg/L			09/21/14 20:31	1
Magnesium hardness as calcium carbonate	41.8		0.50		mg/L			09/21/14 20:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	130		20.0		mg/L			09/18/14 04:22	2
Ammonia	ND		0.020		mg/L			09/17/14 16:18	1
Total Kjeldahl Nitrogen	ND		0.20		mg/L		09/25/14 06:19	09/25/14 11:36	1
Nitrate as N	0.056		0.050		mg/L			09/17/14 00:19	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: Scale House

Lab Sample ID: 480-67323-6

Date Collected: 09/15/14 14:25

Matrix: Water

Date Received: 09/16/14 02:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			09/24/14 09:38	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/25/14 08:54	09/26/14 13:07	1
Chromium, hexavalent	ND		0.010		mg/L			09/16/14 13:23	1
Sulfate	35.7		5.0		mg/L			09/17/14 14:50	1
Total Dissolved Solids	174		10.0		mg/L			09/17/14 14:48	1
Chloride	10.7		1.0		mg/L			09/18/14 01:53	1
Cyanide, Total	ND		0.010		mg/L		09/22/14 21:50	09/23/14 19:32	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/16/14 18:13	1
Total Organic Carbon	ND		1.0		mg/L			09/18/14 20:09	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/16/14 23:40	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.19				SU			09/15/14 14:25	1
Field Conductivity	332				umhos/cm			09/15/14 14:25	1
Field Temperature	16.77				Degrees C			09/15/14 14:25	1
Field Turbidity	0.56				NTU			09/15/14 14:25	1
Field EH/ORP	76.7				millivolts			09/15/14 14:25	1
Oxygen, Dissolved	3.02				mg/L			09/15/14 14:25	1

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: Trip Blank

Lab Sample ID: 480-67323-7

Date Collected: 09/15/14 00:00

Matrix: Water

Date Received: 09/16/14 02:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 21:36	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/26/14 21:36	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 21:36	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/26/14 21:36	1
1,1-Dichloroethane	ND		1.0		ug/L			09/26/14 21:36	1
1,1-Dichloroethene	ND		1.0		ug/L			09/26/14 21:36	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/26/14 21:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/26/14 21:36	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/26/14 21:36	1
1,2-Dichloroethane	ND		1.0		ug/L			09/26/14 21:36	1
1,2-Dichloropropane	ND		1.0		ug/L			09/26/14 21:36	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/26/14 21:36	1
2-Butanone (MEK)	ND		10		ug/L			09/26/14 21:36	1
2-Hexanone	ND		5.0		ug/L			09/26/14 21:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/26/14 21:36	1
Acetone	ND		10		ug/L			09/26/14 21:36	1
Acrylonitrile	ND		5.0		ug/L			09/26/14 21:36	1
Benzene	ND		1.0		ug/L			09/26/14 21:36	1
Chlorobromomethane	ND		1.0		ug/L			09/26/14 21:36	1
Bromodichloromethane	ND		1.0		ug/L			09/26/14 21:36	1
Bromoform	ND		1.0		ug/L			09/26/14 21:36	1
Bromomethane	ND		1.0		ug/L			09/26/14 21:36	1
Carbon disulfide	ND		1.0		ug/L			09/26/14 21:36	1
Carbon tetrachloride	ND		1.0		ug/L			09/26/14 21:36	1
Chlorobenzene	ND		1.0		ug/L			09/26/14 21:36	1
Dibromochloromethane	ND		1.0		ug/L			09/26/14 21:36	1
Chloroethane	ND		1.0		ug/L			09/26/14 21:36	1
Chloroform	ND		1.0		ug/L			09/26/14 21:36	1
Chloromethane	ND		1.0		ug/L			09/26/14 21:36	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 21:36	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 21:36	1
Dibromomethane	ND		1.0		ug/L			09/26/14 21:36	1
Ethylbenzene	ND		1.0		ug/L			09/26/14 21:36	1
1,2-Dibromoethane	ND		1.0		ug/L			09/26/14 21:36	1
Iodomethane	ND		1.0		ug/L			09/26/14 21:36	1
Methylene Chloride	ND		1.0		ug/L			09/26/14 21:36	1
Styrene	ND		1.0		ug/L			09/26/14 21:36	1
Tetrachloroethene	ND		1.0		ug/L			09/26/14 21:36	1
Trichlorofluoromethane	ND		1.0		ug/L			09/26/14 21:36	1
Trichloroethene	ND		1.0		ug/L			09/26/14 21:36	1
Toluene	ND		1.0		ug/L			09/26/14 21:36	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 21:36	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 21:36	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/26/14 21:36	1
Vinyl acetate	ND		5.0		ug/L			09/26/14 21:36	1
Vinyl chloride	ND		1.0		ug/L			09/26/14 21:36	1
Xylenes, Total	ND		2.0		ug/L			09/26/14 21:36	1
m,p-Xylene	ND		2.0		ug/L			09/26/14 21:36	1
o-Xylene	ND		1.0		ug/L			09/26/14 21:36	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: Trip Blank

Date Collected: 09/15/14 00:00

Date Received: 09/16/14 02:00

Lab Sample ID: 480-67323-7

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	115		66 - 137		09/26/14 21:36	1
Toluene-d8 (Surr)	93		71 - 126		09/26/14 21:36	1
4-Bromofluorobenzene (Surr)	92		73 - 120		09/26/14 21:36	1

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1A

Lab Sample ID: 480-67407-1

Date Collected: 09/16/14 08:45

Matrix: Water

Date Received: 09/17/14 01:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 15:21	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 15:21	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 15:21	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 15:21	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 15:21	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 15:21	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 15:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 15:21	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 15:21	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 15:21	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 15:21	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 15:21	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 15:21	1
2-Hexanone	ND		5.0		ug/L			09/27/14 15:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 15:21	1
Acetone	ND		10		ug/L			09/27/14 15:21	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 15:21	1
Benzene	ND		1.0		ug/L			09/27/14 15:21	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 15:21	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 15:21	1
Bromoform	ND		1.0		ug/L			09/27/14 15:21	1
Bromomethane	ND		1.0		ug/L			09/27/14 15:21	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 15:21	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 15:21	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 15:21	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 15:21	1
Chloroethane	ND		1.0		ug/L			09/27/14 15:21	1
Chloroform	ND		1.0		ug/L			09/27/14 15:21	1
Chloromethane	ND		1.0		ug/L			09/27/14 15:21	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 15:21	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 15:21	1
Dibromomethane	ND		1.0		ug/L			09/27/14 15:21	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 15:21	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 15:21	1
Iodomethane	ND		1.0		ug/L			09/27/14 15:21	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 15:21	1
Styrene	ND		1.0		ug/L			09/27/14 15:21	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 15:21	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 15:21	1
Trichloroethene	ND		1.0		ug/L			09/27/14 15:21	1
Toluene	ND		1.0		ug/L			09/27/14 15:21	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 15:21	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 15:21	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 15:21	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 15:21	1
Vinyl chloride	ND		1.0		ug/L			09/27/14 15:21	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 15:21	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 15:21	1
o-Xylene	ND		1.0		ug/L			09/27/14 15:21	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1A

Lab Sample ID: 480-67407-1

Date Collected: 09/16/14 08:45

Matrix: Water

Date Received: 09/17/14 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 137		09/27/14 15:21	1
Toluene-d8 (Surr)	87		71 - 126		09/27/14 15:21	1
4-Bromofluorobenzene (Surr)	86		73 - 120		09/27/14 15:21	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/22/14 17:28	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24.5		0.20		mg/L		09/17/14 12:00	09/18/14 20:20	1
Antimony	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:20	1
Arsenic	0.015		0.015		mg/L		09/17/14 12:00	09/18/14 20:20	1
Barium	0.30		0.0020		mg/L		09/17/14 12:00	09/18/14 20:20	1
Beryllium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:20	1
Boron	0.034		0.020		mg/L		09/17/14 12:00	09/18/14 20:20	1
Cadmium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:20	1
Calcium	53.1		0.50		mg/L		09/17/14 12:00	09/18/14 20:20	1
Chromium	0.030		0.0040		mg/L		09/17/14 12:00	09/18/14 20:20	1
Cobalt	0.015		0.0040		mg/L		09/17/14 12:00	09/18/14 20:20	1
Copper	0.022		0.010		mg/L		09/17/14 12:00	09/18/14 20:20	1
Iron	35.2		0.050		mg/L		09/17/14 12:00	09/18/14 20:20	1
Lead	0.012		0.010		mg/L		09/17/14 12:00	09/18/14 20:20	1
Magnesium	18.2		0.20		mg/L		09/17/14 12:00	09/18/14 20:20	1
Manganese	1.2		0.0030		mg/L		09/17/14 12:00	09/18/14 20:20	1
Nickel	0.037		0.010		mg/L		09/17/14 12:00	09/18/14 20:20	1
Potassium	6.7		0.50		mg/L		09/17/14 12:00	09/18/14 20:20	1
Selenium	ND		0.025		mg/L		09/17/14 12:00	09/18/14 20:20	1
Silver	ND		0.0060		mg/L		09/17/14 12:00	09/18/14 20:20	1
Sodium	12.4		1.0		mg/L		09/17/14 12:00	09/18/14 20:20	1
Thallium	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:20	1
Vanadium	0.034		0.0050		mg/L		09/17/14 12:00	09/18/14 20:20	1
Zinc	0.076		0.010		mg/L		09/17/14 12:00	09/18/14 20:20	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/22/14 11:23	09/23/14 20:37	1
Antimony	ND		0.020		mg/L		09/22/14 11:23	09/23/14 20:37	1
Arsenic	ND		0.015		mg/L		09/22/14 11:23	09/23/14 20:37	1
Barium	0.14	B	0.0020		mg/L		10/06/14 13:03	10/08/14 12:45	1
Beryllium	ND		0.0020		mg/L		09/22/14 11:23	09/23/14 20:37	1
Boron	0.022		0.020		mg/L		09/22/14 11:23	09/29/14 13:28	1
Cadmium	ND		0.0020		mg/L		09/22/14 11:23	09/23/14 20:37	1
Calcium	46.1		0.50		mg/L		09/22/14 11:23	09/23/14 20:37	1
Chromium	ND		0.0040		mg/L		09/22/14 11:23	09/23/14 20:37	1
Cobalt	ND		0.0040		mg/L		09/22/14 11:23	09/23/14 20:37	1
Copper	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:37	1
Iron	ND		0.050		mg/L		09/22/14 11:23	09/23/14 20:37	1
Lead	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:37	1
Magnesium	10.6		0.20		mg/L		09/22/14 11:23	09/23/14 20:37	1
Manganese	0.089		0.0030		mg/L		09/22/14 11:23	09/23/14 20:37	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1A

Lab Sample ID: 480-67407-1

Date Collected: 09/16/14 08:45

Matrix: Water

Date Received: 09/17/14 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:37	1
Potassium	0.84		0.50		mg/L		09/22/14 11:23	09/23/14 20:37	1
Selenium	ND		0.025		mg/L		09/22/14 11:23	09/29/14 13:28	1
Silver	ND		0.0060		mg/L		09/22/14 11:23	09/23/14 20:37	1
Sodium	12.1		1.0		mg/L		09/22/14 11:23	09/23/14 20:37	1
Thallium	ND		0.020		mg/L		09/22/14 11:23	09/23/14 20:37	1
Zinc	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:37	1
Vanadium	ND		0.0050		mg/L		09/22/14 11:23	09/23/14 20:37	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/19/14 07:48	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	208		0.50		mg/L			09/21/14 20:29	1
Calcium hardness as calcium carbonate	133		0.50		mg/L			09/21/14 20:29	1
Magnesium hardness as calcium carbonate	75.0		0.50		mg/L			09/21/14 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	159		50.0		mg/L			09/30/14 22:47	5
Ammonia	0.035		0.020		mg/L			09/17/14 17:34	1
Total Kjeldahl Nitrogen	0.51		0.20		mg/L		09/25/14 06:27	09/25/14 12:15	1
Nitrate as N	ND		0.050		mg/L			09/17/14 17:24	1
Chemical Oxygen Demand	ND		10.0		mg/L			09/24/14 10:35	1
Phenolics, Total Recoverable	ND		0.010		mg/L		10/03/14 12:45	10/04/14 10:39	1
Chromium, hexavalent	ND		0.010		mg/L			09/17/14 04:49	1
Sulfate	19.1		5.0		mg/L			09/19/14 11:17	1
Total Dissolved Solids	237		10.0		mg/L			09/18/14 14:47	1
Chloride	38.5		1.0		mg/L			09/24/14 17:45	1
Cyanide, Total	ND		0.010		mg/L		09/23/14 16:00	09/24/14 19:16	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/17/14 18:19	1
Total Organic Carbon	ND		1.0		mg/L			09/20/14 04:54	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/17/14 20:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.96				SU			09/16/14 08:45	1
Field Conductivity	374				umhos/cm			09/16/14 08:45	1
Field Temperature	13.29				Degrees C			09/16/14 08:45	1
Field Turbidity	Very Turbid				NTU			09/16/14 08:45	1
Field EH/ORP	4.5				millivolts			09/16/14 08:45	1
Oxygen, Dissolved	3.28				mg/L			09/16/14 08:45	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2A

Lab Sample ID: 480-67407-2

Date Collected: 09/16/14 11:00

Matrix: Water

Date Received: 09/17/14 01:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 15:46	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 15:46	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 15:46	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 15:46	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 15:46	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 15:46	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 15:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 15:46	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 15:46	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 15:46	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 15:46	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 15:46	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 15:46	1
2-Hexanone	ND		5.0		ug/L			09/27/14 15:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 15:46	1
Acetone	ND		10		ug/L			09/27/14 15:46	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 15:46	1
Benzene	1.1		1.0		ug/L			09/27/14 15:46	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 15:46	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 15:46	1
Bromoform	ND		1.0		ug/L			09/27/14 15:46	1
Bromomethane	ND		1.0		ug/L			09/27/14 15:46	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 15:46	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 15:46	1
Chlorobenzene	2.0		1.0		ug/L			09/27/14 15:46	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 15:46	1
Chloroethane	ND		1.0		ug/L			09/27/14 15:46	1
Chloroform	ND		1.0		ug/L			09/27/14 15:46	1
Chloromethane	ND		1.0		ug/L			09/27/14 15:46	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 15:46	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 15:46	1
Dibromomethane	ND		1.0		ug/L			09/27/14 15:46	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 15:46	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 15:46	1
Iodomethane	ND		1.0		ug/L			09/27/14 15:46	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 15:46	1
Styrene	ND		1.0		ug/L			09/27/14 15:46	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 15:46	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 15:46	1
Trichloroethene	ND		1.0		ug/L			09/27/14 15:46	1
Toluene	ND		1.0		ug/L			09/27/14 15:46	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 15:46	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 15:46	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 15:46	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 15:46	1
Vinyl chloride	ND		1.0		ug/L			09/27/14 15:46	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 15:46	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 15:46	1
o-Xylene	ND		1.0		ug/L			09/27/14 15:46	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2A

Lab Sample ID: 480-67407-2

Date Collected: 09/16/14 11:00

Matrix: Water

Date Received: 09/17/14 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		66 - 137		09/27/14 15:46	1
Toluene-d8 (Surr)	93		71 - 126		09/27/14 15:46	1
4-Bromofluorobenzene (Surr)	95		73 - 120		09/27/14 15:46	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.31		0.20		mg/L			09/24/14 18:38	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19.9		0.20		mg/L		09/17/14 12:00	09/18/14 20:23	1
Antimony	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:23	1
Arsenic	0.023		0.015		mg/L		09/17/14 12:00	09/18/14 20:23	1
Barium	0.65		0.0020		mg/L		09/17/14 12:00	09/18/14 20:23	1
Beryllium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:23	1
Boron	0.30		0.020		mg/L		09/17/14 12:00	09/18/14 20:23	1
Cadmium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:23	1
Calcium	86.9		0.50		mg/L		09/17/14 12:00	09/18/14 20:23	1
Chromium	0.029		0.0040		mg/L		09/17/14 12:00	09/18/14 20:23	1
Cobalt	0.015		0.0040		mg/L		09/17/14 12:00	09/18/14 20:23	1
Copper	0.022		0.010		mg/L		09/17/14 12:00	09/18/14 20:23	1
Iron	32.5		0.050		mg/L		09/17/14 12:00	09/18/14 20:23	1
Lead	0.011		0.010		mg/L		09/17/14 12:00	09/18/14 20:23	1
Magnesium	23.3		0.20		mg/L		09/17/14 12:00	09/18/14 20:23	1
Manganese	11.2		0.0030		mg/L		09/17/14 12:00	09/18/14 20:23	1
Nickel	0.034		0.010		mg/L		09/17/14 12:00	09/18/14 20:23	1
Potassium	14.4		0.50		mg/L		09/17/14 12:00	09/18/14 20:23	1
Selenium	ND		0.025		mg/L		09/17/14 12:00	09/18/14 20:23	1
Silver	ND		0.0060		mg/L		09/17/14 12:00	09/18/14 20:23	1
Sodium	16.3		1.0		mg/L		09/17/14 12:00	09/18/14 20:23	1
Thallium	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:23	1
Vanadium	0.028		0.0050		mg/L		09/17/14 12:00	09/18/14 20:23	1
Zinc	0.070		0.010		mg/L		09/17/14 12:00	09/18/14 20:23	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/22/14 11:23	09/23/14 20:39	1
Antimony	ND		0.020		mg/L		09/22/14 11:23	09/23/14 20:39	1
Arsenic	ND		0.015		mg/L		09/22/14 11:23	09/23/14 20:39	1
Barium	0.44	B	0.0020		mg/L		09/22/14 11:23	09/23/14 20:39	1
Beryllium	ND		0.0020		mg/L		09/22/14 11:23	09/23/14 20:39	1
Boron	0.31		0.020		mg/L		09/22/14 11:23	09/29/14 13:30	1
Cadmium	ND		0.0020		mg/L		09/22/14 11:23	09/23/14 20:39	1
Calcium	86.7		0.50		mg/L		09/22/14 11:23	09/23/14 20:39	1
Chromium	ND		0.0040		mg/L		09/22/14 11:23	09/23/14 20:39	1
Cobalt	ND		0.0040		mg/L		09/22/14 11:23	09/23/14 20:39	1
Copper	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:39	1
Iron	ND		0.050		mg/L		09/22/14 11:23	09/23/14 20:39	1
Lead	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:39	1
Magnesium	18.4		0.20		mg/L		09/22/14 11:23	09/23/14 20:39	1
Manganese	10.2		0.0030		mg/L		09/22/14 11:23	09/23/14 20:39	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2A

Lab Sample ID: 480-67407-2

Date Collected: 09/16/14 11:00

Matrix: Water

Date Received: 09/17/14 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:39	1
Potassium	11.3		0.50		mg/L		09/22/14 11:23	09/23/14 20:39	1
Selenium	ND		0.025		mg/L		09/22/14 11:23	09/29/14 13:30	1
Silver	ND		0.0060		mg/L		09/22/14 11:23	09/23/14 20:39	1
Sodium	16.2		1.0		mg/L		09/22/14 11:23	09/23/14 20:39	1
Thallium	ND		0.020		mg/L		09/22/14 11:23	09/23/14 20:39	1
Zinc	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:39	1
Vanadium	ND		0.0050		mg/L		09/22/14 11:23	09/23/14 20:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/19/14 07:53	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	313		0.50		mg/L			09/21/14 20:29	1
Calcium hardness as calcium carbonate	217		0.50		mg/L			09/21/14 20:29	1
Magnesium hardness as calcium carbonate	95.9		0.50		mg/L			09/21/14 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	351		50.0		mg/L			09/29/14 16:09	5
Ammonia	7.2		0.10		mg/L			09/17/14 18:45	5
Total Kjeldahl Nitrogen	9.1		0.40		mg/L		09/25/14 06:27	09/25/14 12:15	1
Nitrate as N	0.081		0.050		mg/L			09/17/14 20:50	1
Chemical Oxygen Demand	20.3		10.0		mg/L			09/24/14 10:35	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/24/14 09:09	09/25/14 13:30	1
Chromium, hexavalent	ND		0.010		mg/L			09/17/14 04:51	1
Sulfate	ND		5.0		mg/L			09/18/14 11:38	1
Total Dissolved Solids	379		10.0		mg/L			09/18/14 14:50	1
Chloride	18.5		1.0		mg/L			09/29/14 16:05	1
Cyanide, Total	ND		0.010		mg/L		09/23/14 16:00	09/24/14 19:17	1
Biochemical Oxygen Demand	3.3 b		2.0		mg/L			09/17/14 18:19	1
Total Organic Carbon	5.2		1.0		mg/L			09/20/14 05:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/17/14 20:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.96				SU			09/16/14 11:00	1
Field Conductivity	777				umhos/cm			09/16/14 11:00	1
Field Temperature	12.81				Degrees C			09/16/14 11:00	1
Field Turbidity	Very Turbid				NTU			09/16/14 11:00	1
Field EH/ORP	-38.5				millivolts			09/16/14 11:00	1
Oxygen, Dissolved	3.85				mg/L			09/16/14 11:00	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2B

Lab Sample ID: 480-67407-3

Date Collected: 09/16/14 10:30

Matrix: Water

Date Received: 09/17/14 01:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 16:11	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 16:11	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 16:11	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 16:11	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 16:11	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 16:11	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 16:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 16:11	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 16:11	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 16:11	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 16:11	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 16:11	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 16:11	1
2-Hexanone	ND		5.0		ug/L			09/27/14 16:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 16:11	1
Acetone	ND		10		ug/L			09/27/14 16:11	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 16:11	1
Benzene	ND		1.0		ug/L			09/27/14 16:11	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 16:11	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 16:11	1
Bromoform	ND		1.0		ug/L			09/27/14 16:11	1
Bromomethane	ND		1.0		ug/L			09/27/14 16:11	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 16:11	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 16:11	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 16:11	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 16:11	1
Chloroethane	3.5		1.0		ug/L			09/27/14 16:11	1
Chloroform	ND		1.0		ug/L			09/27/14 16:11	1
Chloromethane	ND		1.0		ug/L			09/27/14 16:11	1
cis-1,2-Dichloroethene	15		1.0		ug/L			09/27/14 16:11	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 16:11	1
Dibromomethane	ND		1.0		ug/L			09/27/14 16:11	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 16:11	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 16:11	1
Iodomethane	ND		1.0		ug/L			09/27/14 16:11	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 16:11	1
Styrene	ND		1.0		ug/L			09/27/14 16:11	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 16:11	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 16:11	1
Trichloroethene	ND		1.0		ug/L			09/27/14 16:11	1
Toluene	ND		1.0		ug/L			09/27/14 16:11	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 16:11	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 16:11	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 16:11	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 16:11	1
Vinyl chloride	6.9		1.0		ug/L			09/27/14 16:11	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 16:11	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 16:11	1
o-Xylene	ND		1.0		ug/L			09/27/14 16:11	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2B

Lab Sample ID: 480-67407-3

Date Collected: 09/16/14 10:30

Matrix: Water

Date Received: 09/17/14 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		66 - 137		09/27/14 16:11	1
Toluene-d8 (Surr)	91		71 - 126		09/27/14 16:11	1
4-Bromofluorobenzene (Surr)	92		73 - 120		09/27/14 16:11	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.84		0.20		mg/L			09/22/14 15:18	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4.3		0.20		mg/L		09/17/14 12:00	09/18/14 20:26	1
Antimony	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:26	1
Arsenic	ND		0.015		mg/L		09/17/14 12:00	09/18/14 20:26	1
Barium	1.3		0.0020		mg/L		09/17/14 12:00	09/18/14 20:26	1
Beryllium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:26	1
Boron	0.22		0.020		mg/L		09/17/14 12:00	09/18/14 20:26	1
Cadmium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:26	1
Calcium	191		0.50		mg/L		09/17/14 12:00	09/18/14 20:26	1
Chromium	0.0058		0.0040		mg/L		09/17/14 12:00	09/18/14 20:26	1
Cobalt	0.0051		0.0040		mg/L		09/17/14 12:00	09/18/14 20:26	1
Copper	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:26	1
Iron	3.5		0.050		mg/L		09/17/14 12:00	09/18/14 20:26	1
Lead	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:26	1
Magnesium	43.0		0.20		mg/L		09/17/14 12:00	09/18/14 20:26	1
Manganese	5.7		0.0030		mg/L		09/17/14 12:00	09/18/14 20:26	1
Nickel	0.011		0.010		mg/L		09/17/14 12:00	09/18/14 20:26	1
Potassium	3.1		0.50		mg/L		09/17/14 12:00	09/18/14 20:26	1
Selenium	ND		0.025		mg/L		09/17/14 12:00	09/18/14 20:26	1
Silver	ND		0.0060		mg/L		09/17/14 12:00	09/18/14 20:26	1
Sodium	46.3		1.0		mg/L		09/17/14 12:00	09/18/14 20:26	1
Thallium	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:26	1
Vanadium	ND		0.0050		mg/L		09/17/14 12:00	09/18/14 20:26	1
Zinc	0.025		0.010		mg/L		09/17/14 12:00	09/18/14 20:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 16:20	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	653		0.50		mg/L			09/21/14 20:29	1
Calcium hardness as calcium carbonate	477		0.50		mg/L			09/21/14 20:29	1
Magnesium hardness as calcium carbonate	177		0.50		mg/L			09/21/14 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	339		50.0		mg/L			09/29/14 17:40	5
Ammonia	0.57		0.020		mg/L			09/17/14 17:36	1
Total Kjeldahl Nitrogen	1.3		0.20		mg/L		09/25/14 06:27	09/25/14 12:15	1
Nitrate as N	ND		0.050		mg/L			09/17/14 17:26	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2B

Lab Sample ID: 480-67407-3

Date Collected: 09/16/14 10:30

Matrix: Water

Date Received: 09/17/14 01:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	16.4		10.0		mg/L			09/25/14 22:52	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/24/14 09:09	09/25/14 13:30	1
Chromium, hexavalent	ND		0.010		mg/L			09/17/14 04:53	1
Sulfate	ND		5.0		mg/L			09/18/14 11:55	1
Total Dissolved Solids	817		10.0		mg/L			09/18/14 14:52	1
Chloride	117		5.0		mg/L			10/07/14 11:56	5
Cyanide, Total	ND		0.010		mg/L		09/24/14 01:15	09/24/14 20:15	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/18/14 02:56	1
Total Organic Carbon	4.2		1.0		mg/L			09/20/14 05:54	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/17/14 20:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.17				SU			09/16/14 10:30	1
Field Conductivity	1388				umhos/cm			09/16/14 10:30	1
Field Temperature	9.90				Degrees C			09/16/14 10:30	1
Field Turbidity	39.3				NTU			09/16/14 10:30	1
Field EH/ORP	33.0				millivolts			09/16/14 10:30	1
Oxygen, Dissolved	6.36				mg/L			09/16/14 10:30	1

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-3A

Lab Sample ID: 480-67407-4

Date Collected: 09/16/14 08:00

Matrix: Water

Date Received: 09/17/14 01:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 13:00	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 13:00	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 13:00	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 13:00	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 13:00	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 13:00	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 13:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 13:00	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 13:00	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 13:00	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 13:00	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 13:00	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 13:00	1
2-Hexanone	ND		5.0		ug/L			09/27/14 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 13:00	1
Acetone	11		10		ug/L			09/27/14 13:00	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 13:00	1
Benzene	ND		1.0		ug/L			09/27/14 13:00	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 13:00	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 13:00	1
Bromoform	ND		1.0		ug/L			09/27/14 13:00	1
Bromomethane	ND		1.0		ug/L			09/27/14 13:00	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 13:00	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 13:00	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 13:00	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 13:00	1
Chloroethane	ND		1.0		ug/L			09/27/14 13:00	1
Chloroform	ND		1.0		ug/L			09/27/14 13:00	1
Chloromethane	ND		1.0		ug/L			09/27/14 13:00	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 13:00	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 13:00	1
Dibromomethane	ND		1.0		ug/L			09/27/14 13:00	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 13:00	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 13:00	1
Iodomethane	ND		1.0		ug/L			09/27/14 13:00	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 13:00	1
Styrene	ND		1.0		ug/L			09/27/14 13:00	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 13:00	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 13:00	1
Trichloroethene	ND		1.0		ug/L			09/27/14 13:00	1
Toluene	ND		1.0		ug/L			09/27/14 13:00	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 13:00	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 13:00	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 13:00	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 13:00	1
Vinyl chloride	ND		1.0		ug/L			09/27/14 13:00	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 13:00	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 13:00	1
o-Xylene	ND		1.0		ug/L			09/27/14 13:00	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-3A

Lab Sample ID: 480-67407-4

Date Collected: 09/16/14 08:00

Matrix: Water

Date Received: 09/17/14 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		09/27/14 13:00	1
Toluene-d8 (Surr)	101		71 - 126		09/27/14 13:00	1
4-Bromofluorobenzene (Surr)	101		73 - 120		09/27/14 13:00	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/24/14 18:54	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.38		0.20		mg/L		09/17/14 12:00	09/18/14 20:29	1
Antimony	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:29	1
Arsenic	0.019		0.015		mg/L		09/17/14 12:00	09/18/14 20:29	1
Barium	0.58		0.0020		mg/L		09/17/14 12:00	09/18/14 20:29	1
Beryllium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:29	1
Boron	0.022		0.020		mg/L		09/17/14 12:00	09/18/14 20:29	1
Cadmium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:29	1
Calcium	42.5		0.50		mg/L		09/17/14 12:00	09/18/14 20:29	1
Chromium	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 20:29	1
Cobalt	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 20:29	1
Copper	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:29	1
Iron	0.60		0.050		mg/L		09/17/14 12:00	09/18/14 20:29	1
Lead	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:29	1
Magnesium	7.4		0.20		mg/L		09/17/14 12:00	09/18/14 20:29	1
Manganese	2.0		0.0030		mg/L		09/17/14 12:00	09/18/14 20:29	1
Nickel	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:29	1
Potassium	1.6		0.50		mg/L		09/17/14 12:00	09/18/14 20:29	1
Selenium	ND		0.025		mg/L		09/17/14 12:00	09/18/14 20:29	1
Silver	ND		0.0060		mg/L		09/17/14 12:00	09/18/14 20:29	1
Sodium	3.2		1.0		mg/L		09/17/14 12:00	09/18/14 20:29	1
Thallium	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:29	1
Vanadium	ND		0.0050		mg/L		09/17/14 12:00	09/18/14 20:29	1
Zinc	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/19/14 07:45	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	136		0.50		mg/L			09/21/14 20:29	1
Calcium hardness as calcium carbonate	106		0.50		mg/L			09/21/14 20:29	1
Magnesium hardness as calcium carbonate	30.4		0.50		mg/L			09/21/14 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	162		20.0		mg/L			09/29/14 16:17	2
Ammonia	0.13		0.020		mg/L			09/17/14 17:36	1
Total Kjeldahl Nitrogen	1.3		0.20		mg/L		09/25/14 06:27	09/25/14 12:15	1
Nitrate as N	ND		0.050		mg/L			09/17/14 17:30	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-3A

Lab Sample ID: 480-67407-4

Date Collected: 09/16/14 08:00

Matrix: Water

Date Received: 09/17/14 01:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	36.1		10.0		mg/L			09/25/14 22:52	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/24/14 09:09	09/25/14 13:30	1
Chromium, hexavalent	ND		0.010		mg/L			09/17/14 04:54	1
Sulfate	ND		5.0		mg/L			09/18/14 11:37	1
Total Dissolved Solids	202		10.0		mg/L			09/18/14 14:54	1
Chloride	2.6		1.0		mg/L			09/29/14 16:05	1
Cyanide, Total	ND		0.010		mg/L		09/24/14 01:15	09/24/14 20:16	1
Biochemical Oxygen Demand	2.6	b	2.0		mg/L			09/17/14 18:19	1
Total Organic Carbon	9.1		1.0		mg/L			09/20/14 06:10	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	50.0		5.00		Color Units			09/17/14 20:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.68				SU			09/16/14 08:00	1
Field Conductivity	309				umhos/cm			09/16/14 08:00	1
Field Temperature	13.07				Degrees C			09/16/14 08:00	1
Field Turbidity	24.9				NTU			09/16/14 08:00	1
Field EH/ORP	56.7				millivolts			09/16/14 08:00	1
Oxygen, Dissolved	5.27				mg/L			09/16/14 08:00	1

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-3B

Lab Sample ID: 480-67407-5

Date Collected: 09/16/14 07:45

Matrix: Water

Date Received: 09/17/14 01:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 13:23	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 13:23	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 13:23	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 13:23	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 13:23	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 13:23	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 13:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 13:23	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 13:23	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 13:23	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 13:23	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 13:23	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 13:23	1
2-Hexanone	ND		5.0		ug/L			09/27/14 13:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 13:23	1
Acetone	ND		10		ug/L			09/27/14 13:23	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 13:23	1
Benzene	ND		1.0		ug/L			09/27/14 13:23	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 13:23	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 13:23	1
Bromoform	ND		1.0		ug/L			09/27/14 13:23	1
Bromomethane	ND		1.0		ug/L			09/27/14 13:23	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 13:23	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 13:23	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 13:23	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 13:23	1
Chloroethane	ND		1.0		ug/L			09/27/14 13:23	1
Chloroform	ND		1.0		ug/L			09/27/14 13:23	1
Chloromethane	ND		1.0		ug/L			09/27/14 13:23	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 13:23	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 13:23	1
Dibromomethane	ND		1.0		ug/L			09/27/14 13:23	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 13:23	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 13:23	1
Iodomethane	ND		1.0		ug/L			09/27/14 13:23	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 13:23	1
Styrene	ND		1.0		ug/L			09/27/14 13:23	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 13:23	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 13:23	1
Trichloroethene	ND		1.0		ug/L			09/27/14 13:23	1
Toluene	ND		1.0		ug/L			09/27/14 13:23	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 13:23	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 13:23	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 13:23	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 13:23	1
Vinyl chloride	ND		1.0		ug/L			09/27/14 13:23	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 13:23	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 13:23	1
o-Xylene	ND		1.0		ug/L			09/27/14 13:23	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-3B

Lab Sample ID: 480-67407-5

Date Collected: 09/16/14 07:45

Matrix: Water

Date Received: 09/17/14 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 137		09/27/14 13:23	1
Toluene-d8 (Surr)	105		71 - 126		09/27/14 13:23	1
4-Bromofluorobenzene (Surr)	103		73 - 120		09/27/14 13:23	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/22/14 15:34	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2.8		0.20		mg/L		09/17/14 12:00	09/18/14 20:32	1
Antimony	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:32	1
Arsenic	ND		0.015		mg/L		09/17/14 12:00	09/18/14 20:32	1
Barium	0.49		0.0020		mg/L		09/17/14 12:00	09/18/14 20:32	1
Beryllium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:32	1
Boron	0.045		0.020		mg/L		09/17/14 12:00	09/18/14 20:32	1
Cadmium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:32	1
Calcium	58.5		0.50		mg/L		09/17/14 12:00	09/18/14 20:32	1
Chromium	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 20:32	1
Cobalt	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 20:32	1
Copper	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:32	1
Iron	2.3		0.050		mg/L		09/17/14 12:00	09/18/14 20:32	1
Lead	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:32	1
Magnesium	18.2		0.20		mg/L		09/17/14 12:00	09/18/14 20:32	1
Manganese	0.19		0.0030		mg/L		09/17/14 12:00	09/18/14 20:32	1
Nickel	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:32	1
Potassium	1.7		0.50		mg/L		09/17/14 12:00	09/18/14 20:32	1
Selenium	ND		0.025		mg/L		09/17/14 12:00	09/18/14 20:32	1
Silver	ND		0.0060		mg/L		09/17/14 12:00	09/18/14 20:32	1
Sodium	9.5		1.0		mg/L		09/17/14 12:00	09/18/14 20:32	1
Thallium	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:32	1
Vanadium	ND		0.0050		mg/L		09/17/14 12:00	09/18/14 20:32	1
Zinc	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/19/14 07:51	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	221		0.50		mg/L			09/21/14 20:29	1
Calcium hardness as calcium carbonate	146		0.50		mg/L			09/21/14 20:29	1
Magnesium hardness as calcium carbonate	74.7		0.50		mg/L			09/21/14 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	185		50.0		mg/L			09/25/14 07:12	5
Ammonia	ND		0.020		mg/L			09/17/14 17:37	1
Total Kjeldahl Nitrogen	0.30		0.20		mg/L		09/25/14 06:27	09/25/14 10:57	1
Nitrate as N	ND		0.050		mg/L			09/17/14 17:33	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-3B

Lab Sample ID: 480-67407-5

Date Collected: 09/16/14 07:45

Matrix: Water

Date Received: 09/17/14 01:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			09/24/14 10:35	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/24/14 09:09	09/25/14 13:30	1
Chromium, hexavalent	ND		0.010		mg/L			09/17/14 04:56	1
Sulfate	15.2		5.0		mg/L			09/22/14 09:54	1
Total Dissolved Solids	265		10.0		mg/L			09/18/14 14:56	1
Chloride	25.3		1.0		mg/L			09/24/14 17:45	1
Cyanide, Total	ND		0.010		mg/L		09/23/14 16:00	09/24/14 19:14	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/17/14 18:19	1
Total Organic Carbon	ND		1.0		mg/L			09/20/14 06:25	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/17/14 20:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.95				SU			09/16/14 07:45	1
Field Conductivity	452				umhos/cm			09/16/14 07:45	1
Field Temperature	10.72				Degrees C			09/16/14 07:45	1
Field Turbidity	30.9				NTU			09/16/14 07:45	1
Field EH/ORP	184.6				millivolts			09/16/14 07:45	1
Oxygen, Dissolved	5.46				mg/L			09/16/14 07:45	1

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-4A

Lab Sample ID: 480-67407-6

Date Collected: 09/16/14 10:00

Matrix: Water

Date Received: 09/17/14 01:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 13:46	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 13:46	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 13:46	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 13:46	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 13:46	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 13:46	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 13:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 13:46	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 13:46	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 13:46	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 13:46	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 13:46	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 13:46	1
2-Hexanone	ND		5.0		ug/L			09/27/14 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 13:46	1
Acetone	ND		10		ug/L			09/27/14 13:46	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 13:46	1
Benzene	ND		1.0		ug/L			09/27/14 13:46	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 13:46	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 13:46	1
Bromoform	ND		1.0		ug/L			09/27/14 13:46	1
Bromomethane	ND		1.0		ug/L			09/27/14 13:46	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 13:46	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 13:46	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 13:46	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 13:46	1
Chloroethane	ND		1.0		ug/L			09/27/14 13:46	1
Chloroform	ND		1.0		ug/L			09/27/14 13:46	1
Chloromethane	ND		1.0		ug/L			09/27/14 13:46	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 13:46	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 13:46	1
Dibromomethane	ND		1.0		ug/L			09/27/14 13:46	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 13:46	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 13:46	1
Iodomethane	ND		1.0		ug/L			09/27/14 13:46	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 13:46	1
Styrene	ND		1.0		ug/L			09/27/14 13:46	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 13:46	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 13:46	1
Trichloroethene	ND		1.0		ug/L			09/27/14 13:46	1
Toluene	ND		1.0		ug/L			09/27/14 13:46	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 13:46	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 13:46	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 13:46	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 13:46	1
Vinyl chloride	ND		1.0		ug/L			09/27/14 13:46	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 13:46	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 13:46	1
o-Xylene	ND		1.0		ug/L			09/27/14 13:46	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-4A

Lab Sample ID: 480-67407-6

Date Collected: 09/16/14 10:00

Matrix: Water

Date Received: 09/17/14 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		09/27/14 13:46	1
Toluene-d8 (Surr)	98		71 - 126		09/27/14 13:46	1
4-Bromofluorobenzene (Surr)	97		73 - 120		09/27/14 13:46	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/22/14 14:45	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.1		0.20		mg/L		09/17/14 12:00	09/18/14 20:35	1
Antimony	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:35	1
Arsenic	ND		0.015		mg/L		09/17/14 12:00	09/18/14 20:35	1
Barium	1.1		0.0020		mg/L		09/17/14 12:00	09/18/14 20:35	1
Beryllium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:35	1
Boron	0.079		0.020		mg/L		09/17/14 12:00	09/18/14 20:35	1
Cadmium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:35	1
Calcium	115		0.50		mg/L		09/17/14 12:00	09/18/14 20:35	1
Chromium	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 20:35	1
Cobalt	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 20:35	1
Copper	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:35	1
Iron	0.64		0.050		mg/L		09/17/14 12:00	09/18/14 20:35	1
Lead	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:35	1
Magnesium	25.7		0.20		mg/L		09/17/14 12:00	09/18/14 20:35	1
Manganese	1.3		0.0030		mg/L		09/17/14 12:00	09/18/14 20:35	1
Nickel	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:35	1
Potassium	1.7		0.50		mg/L		09/17/14 12:00	09/18/14 20:35	1
Selenium	ND		0.025		mg/L		09/17/14 12:00	09/18/14 20:35	1
Silver	ND		0.0060		mg/L		09/17/14 12:00	09/18/14 20:35	1
Sodium	15.6		1.0		mg/L		09/17/14 12:00	09/18/14 20:35	1
Thallium	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:35	1
Vanadium	ND		0.0050		mg/L		09/17/14 12:00	09/18/14 20:35	1
Zinc	0.010		0.010		mg/L		09/17/14 12:00	09/18/14 20:35	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/19/14 07:50	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	393		0.50		mg/L			09/21/14 20:29	1
Calcium hardness as calcium carbonate	288		0.50		mg/L			09/21/14 20:29	1
Magnesium hardness as calcium carbonate	106		0.50		mg/L			09/21/14 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	300		50.0		mg/L			09/29/14 16:08	5
Ammonia	ND		0.020		mg/L			09/17/14 18:47	1
Total Kjeldahl Nitrogen	0.28		0.20		mg/L		09/23/14 17:24	09/24/14 09:49	1
Nitrate as N	0.066		0.050		mg/L			09/17/14 20:51	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-4A

Lab Sample ID: 480-67407-6

Date Collected: 09/16/14 10:00

Matrix: Water

Date Received: 09/17/14 01:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			09/25/14 22:52	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/24/14 09:09	09/25/14 13:30	1
Chromium, hexavalent	ND		0.010		mg/L			09/17/14 04:58	1
Sulfate	15.5		5.0		mg/L			09/22/14 09:54	1
Total Dissolved Solids	453		10.0		mg/L			09/18/14 14:58	1
Chloride	19.7		1.0		mg/L			09/29/14 16:05	1
Cyanide, Total	ND		0.010		mg/L		09/23/14 16:00	09/24/14 19:13	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/17/14 18:19	1
Total Organic Carbon	1.7		1.0		mg/L			09/20/14 07:36	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/17/14 20:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.50				SU			09/16/14 10:00	1
Field Conductivity	751				umhos/cm			09/16/14 10:00	1
Field Temperature	12.36				Degrees C			09/16/14 10:00	1
Field Turbidity	12.7				NTU			09/16/14 10:00	1
Field EH/ORP	72.5				millivolts			09/16/14 10:00	1
Oxygen, Dissolved	4.22				mg/L			09/16/14 10:00	1

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-5A

Lab Sample ID: 480-67407-7

Date Collected: 09/16/14 09:15

Matrix: Water

Date Received: 09/17/14 01:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 14:09	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 14:09	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 14:09	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 14:09	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 14:09	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 14:09	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 14:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 14:09	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 14:09	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 14:09	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 14:09	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 14:09	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 14:09	1
2-Hexanone	ND		5.0		ug/L			09/27/14 14:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 14:09	1
Acetone	ND		10		ug/L			09/27/14 14:09	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 14:09	1
Benzene	ND		1.0		ug/L			09/27/14 14:09	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 14:09	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 14:09	1
Bromoform	ND		1.0		ug/L			09/27/14 14:09	1
Bromomethane	ND		1.0		ug/L			09/27/14 14:09	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 14:09	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 14:09	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 14:09	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 14:09	1
Chloroethane	ND		1.0		ug/L			09/27/14 14:09	1
Chloroform	ND		1.0		ug/L			09/27/14 14:09	1
Chloromethane	ND		1.0		ug/L			09/27/14 14:09	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 14:09	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 14:09	1
Dibromomethane	ND		1.0		ug/L			09/27/14 14:09	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 14:09	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 14:09	1
Iodomethane	ND		1.0		ug/L			09/27/14 14:09	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 14:09	1
Styrene	ND		1.0		ug/L			09/27/14 14:09	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 14:09	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 14:09	1
Trichloroethene	ND		1.0		ug/L			09/27/14 14:09	1
Toluene	ND		1.0		ug/L			09/27/14 14:09	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 14:09	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 14:09	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 14:09	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 14:09	1
Vinyl chloride	ND		1.0		ug/L			09/27/14 14:09	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 14:09	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 14:09	1
o-Xylene	ND		1.0		ug/L			09/27/14 14:09	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-5A

Lab Sample ID: 480-67407-7

Date Collected: 09/16/14 09:15

Matrix: Water

Date Received: 09/17/14 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		09/27/14 14:09	1
Toluene-d8 (Surr)	101		71 - 126		09/27/14 14:09	1
4-Bromofluorobenzene (Surr)	100		73 - 120		09/27/14 14:09	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/22/14 17:12	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.51		0.20		mg/L		09/17/14 12:00	09/18/14 20:38	1
Antimony	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:38	1
Arsenic	ND		0.015		mg/L		09/17/14 12:00	09/18/14 20:38	1
Barium	0.47		0.0020		mg/L		09/17/14 12:00	09/18/14 20:38	1
Beryllium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:38	1
Boron	0.020		0.020		mg/L		09/17/14 12:00	09/18/14 20:38	1
Cadmium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:38	1
Calcium	32.4		0.50		mg/L		09/17/14 12:00	09/18/14 20:38	1
Chromium	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 20:38	1
Cobalt	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 20:38	1
Copper	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:38	1
Iron	0.55		0.050		mg/L		09/17/14 12:00	09/18/14 20:38	1
Lead	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:38	1
Magnesium	8.6		0.20		mg/L		09/17/14 12:00	09/18/14 20:38	1
Manganese	0.056		0.0030		mg/L		09/17/14 12:00	09/18/14 20:38	1
Nickel	ND		0.010		mg/L		09/17/14 12:00	09/18/14 20:38	1
Potassium	1.3		0.50		mg/L		09/17/14 12:00	09/18/14 20:38	1
Selenium	ND		0.025		mg/L		09/17/14 12:00	09/18/14 20:38	1
Silver	ND		0.0060		mg/L		09/17/14 12:00	09/18/14 20:38	1
Sodium	11.7		1.0		mg/L		09/17/14 12:00	09/18/14 20:38	1
Thallium	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:38	1
Vanadium	ND		0.0050		mg/L		09/17/14 12:00	09/18/14 20:38	1
Zinc	0.011		0.010		mg/L		09/17/14 12:00	09/18/14 20:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/19/14 07:46	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	117		0.50		mg/L			09/21/14 20:29	1
Calcium hardness as calcium carbonate	81.0		0.50		mg/L			09/21/14 20:29	1
Magnesium hardness as calcium carbonate	35.5		0.50		mg/L			09/21/14 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	129		20.0		mg/L			09/29/14 16:17	2
Ammonia	ND		0.020		mg/L			09/17/14 18:54	1
Total Kjeldahl Nitrogen	0.27		0.20		mg/L		09/25/14 06:27	09/25/14 10:57	1
Nitrate as N	0.11		0.050		mg/L			09/17/14 20:54	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-5A

Lab Sample ID: 480-67407-7

Date Collected: 09/16/14 09:15

Matrix: Water

Date Received: 09/17/14 01:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			09/25/14 22:52	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/24/14 09:09	09/25/14 13:30	1
Chromium, hexavalent	ND		0.010		mg/L			09/17/14 05:07	1
Sulfate	14.8		5.0		mg/L			09/22/14 09:54	1
Total Dissolved Solids	154		10.0		mg/L			09/18/14 15:15	1
Chloride	6.9		1.0		mg/L			09/29/14 16:05	1
Cyanide, Total	ND		0.010		mg/L		09/23/14 16:00	09/24/14 19:06	1
Biochemical Oxygen Demand	2.5 b		2.0		mg/L			09/17/14 18:19	1
Total Organic Carbon	ND		1.0		mg/L			09/20/14 07:51	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/17/14 20:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.47				SU			09/16/14 09:15	1
Field Conductivity	266				umhos/cm			09/16/14 09:15	1
Field Temperature	14.14				Degrees C			09/16/14 09:15	1
Field Turbidity	8.14				NTU			09/16/14 09:15	1
Field EH/ORP	6.7				millivolts			09/16/14 09:15	1
Oxygen, Dissolved	4.99				mg/L			09/16/14 09:15	1

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-7A

Lab Sample ID: 480-67407-8

Date Collected: 09/16/14 11:44

Matrix: Water

Date Received: 09/17/14 01:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 14:31	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 14:31	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 14:31	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 14:31	1
1,1-Dichloroethane	2.9		1.0		ug/L			09/27/14 14:31	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 14:31	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 14:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 14:31	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 14:31	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 14:31	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 14:31	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 14:31	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 14:31	1
2-Hexanone	ND		5.0		ug/L			09/27/14 14:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 14:31	1
Acetone	ND		10		ug/L			09/27/14 14:31	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 14:31	1
Benzene	ND		1.0		ug/L			09/27/14 14:31	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 14:31	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 14:31	1
Bromoform	ND		1.0		ug/L			09/27/14 14:31	1
Bromomethane	ND		1.0		ug/L			09/27/14 14:31	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 14:31	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 14:31	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 14:31	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 14:31	1
Chloroethane	ND		1.0		ug/L			09/27/14 14:31	1
Chloroform	ND		1.0		ug/L			09/27/14 14:31	1
Chloromethane	ND		1.0		ug/L			09/27/14 14:31	1
cis-1,2-Dichloroethene	4.1		1.0		ug/L			09/27/14 14:31	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 14:31	1
Dibromomethane	ND		1.0		ug/L			09/27/14 14:31	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 14:31	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 14:31	1
Iodomethane	ND		1.0		ug/L			09/27/14 14:31	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 14:31	1
Styrene	ND		1.0		ug/L			09/27/14 14:31	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 14:31	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 14:31	1
Trichloroethene	ND		1.0		ug/L			09/27/14 14:31	1
Toluene	ND		1.0		ug/L			09/27/14 14:31	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 14:31	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 14:31	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 14:31	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 14:31	1
Vinyl chloride	3.2		1.0		ug/L			09/27/14 14:31	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 14:31	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 14:31	1
o-Xylene	ND		1.0		ug/L			09/27/14 14:31	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-7A

Lab Sample ID: 480-67407-8

Date Collected: 09/16/14 11:44

Matrix: Water

Date Received: 09/17/14 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		09/27/14 14:31	1
Toluene-d8 (Surr)	101		71 - 126		09/27/14 14:31	1
4-Bromofluorobenzene (Surr)	97		73 - 120		09/27/14 14:31	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.92		0.20		mg/L			09/22/14 16:56	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	36.4		0.20		mg/L		09/17/14 12:00	09/18/14 20:49	1
Antimony	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:49	1
Arsenic	0.016		0.015		mg/L		09/17/14 12:00	09/18/14 20:49	1
Barium	0.95		0.0020		mg/L		09/17/14 12:00	09/18/14 20:49	1
Beryllium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:49	1
Boron	0.37		0.020		mg/L		09/17/14 12:00	09/18/14 20:49	1
Cadmium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 20:49	1
Calcium	132		0.50		mg/L		09/17/14 12:00	09/18/14 20:49	1
Chromium	0.046		0.0040		mg/L		09/17/14 12:00	09/18/14 20:49	1
Cobalt	0.023		0.0040		mg/L		09/17/14 12:00	09/18/14 20:49	1
Copper	0.039		0.010		mg/L		09/17/14 12:00	09/18/14 20:49	1
Iron	49.1		0.050		mg/L		09/17/14 12:00	09/18/14 20:49	1
Lead	0.018		0.010		mg/L		09/17/14 12:00	09/18/14 20:49	1
Magnesium	42.7		0.20		mg/L		09/17/14 12:00	09/18/14 20:49	1
Manganese	5.0		0.0030		mg/L		09/17/14 12:00	09/18/14 20:49	1
Nickel	0.068		0.010		mg/L		09/17/14 12:00	09/18/14 20:49	1
Potassium	8.0		0.50		mg/L		09/17/14 12:00	09/18/14 20:49	1
Selenium	ND		0.025		mg/L		09/17/14 12:00	09/18/14 20:49	1
Silver	ND		0.0060		mg/L		09/17/14 12:00	09/18/14 20:49	1
Sodium	84.7		1.0		mg/L		09/17/14 12:00	09/18/14 20:49	1
Thallium	ND		0.020		mg/L		09/17/14 12:00	09/18/14 20:49	1
Vanadium	0.048		0.0050		mg/L		09/17/14 12:00	09/18/14 20:49	1
Zinc	0.12		0.010		mg/L		09/17/14 12:00	09/18/14 20:49	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/22/14 11:23	09/23/14 20:42	1
Antimony	ND		0.020		mg/L		09/22/14 11:23	09/23/14 20:42	1
Arsenic	ND		0.015		mg/L		09/22/14 11:23	09/23/14 20:42	1
Barium	0.51	B	0.0020		mg/L		09/22/14 11:23	09/23/14 20:42	1
Beryllium	ND		0.0020		mg/L		09/22/14 11:23	09/23/14 20:42	1
Boron	0.39		0.020		mg/L		09/22/14 11:23	09/29/14 13:33	1
Cadmium	ND		0.0020		mg/L		09/22/14 11:23	09/23/14 20:42	1
Calcium	133		0.50		mg/L		09/22/14 11:23	09/23/14 20:42	1
Chromium	ND		0.0040		mg/L		09/22/14 11:23	09/23/14 20:42	1
Cobalt	ND		0.0040		mg/L		09/22/14 11:23	09/23/14 20:42	1
Copper	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:42	1
Iron	ND		0.050		mg/L		09/22/14 11:23	09/23/14 20:42	1
Lead	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:42	1
Magnesium	34.0		0.20		mg/L		09/22/14 11:23	09/23/14 20:42	1
Manganese	3.2		0.0030		mg/L		09/22/14 11:23	09/23/14 20:42	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-7A

Lab Sample ID: 480-67407-8

Date Collected: 09/16/14 11:44

Matrix: Water

Date Received: 09/17/14 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.014		0.010		mg/L		09/22/14 11:23	09/23/14 20:42	1
Potassium	1.5		0.50		mg/L		09/22/14 11:23	09/23/14 20:42	1
Selenium	ND		0.025		mg/L		09/22/14 11:23	09/29/14 13:33	1
Silver	ND		0.0060		mg/L		09/22/14 11:23	09/23/14 20:42	1
Sodium	85.5		1.0		mg/L		09/22/14 11:23	09/23/14 20:42	1
Thallium	ND		0.020		mg/L		09/22/14 11:23	09/23/14 20:42	1
Zinc	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:42	1
Vanadium	ND		0.0050		mg/L		09/22/14 11:23	09/23/14 20:42	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 16:22	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	506		0.50		mg/L			09/21/14 20:29	1
Calcium hardness as calcium carbonate	330		0.50		mg/L			09/21/14 20:29	1
Magnesium hardness as calcium carbonate	176		0.50		mg/L			09/21/14 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	388		100		mg/L			09/29/14 16:17	10
Ammonia	0.091		0.020		mg/L			09/17/14 18:55	1
Total Kjeldahl Nitrogen	1.4		0.20		mg/L		09/25/14 06:27	09/25/14 10:57	1
Nitrate as N	ND		0.050		mg/L			09/17/14 17:36	1
Chemical Oxygen Demand	19.0		10.0		mg/L			09/24/14 10:35	1
Phenolics, Total Recoverable	ND		0.010		mg/L		09/24/14 09:09	09/25/14 13:30	1
Chromium, hexavalent	ND		0.010		mg/L			09/17/14 05:09	1
Sulfate	33.1		5.0		mg/L			09/18/14 11:37	1
Total Dissolved Solids	649		10.0		mg/L			09/18/14 15:42	1
Chloride	78.3		2.0		mg/L			10/07/14 11:56	2
Cyanide, Total	ND		0.010		mg/L		09/23/14 16:00	09/24/14 19:07	1
Biochemical Oxygen Demand	ND		2.0		mg/L			09/18/14 02:56	1
Total Organic Carbon	4.3		1.0		mg/L			09/20/14 08:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/17/14 20:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.00				SU			09/16/14 11:44	1
Field Conductivity	1128				umhos/cm			09/16/14 11:44	1
Field Temperature	11.53				Degrees C			09/16/14 11:44	1
Field Turbidity	Very Turbid				NTU			09/16/14 11:44	1
Field EH/ORP	101				millivolts			09/16/14 11:44	1
Oxygen, Dissolved	4.36				mg/L			09/16/14 11:44	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-67407-9

Date Collected: 09/16/14 00:00

Matrix: Water

Date Received: 09/17/14 01:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 14:54	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 14:54	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 14:54	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 14:54	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 14:54	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 14:54	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 14:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 14:54	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 14:54	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 14:54	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 14:54	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 14:54	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 14:54	1
2-Hexanone	ND		5.0		ug/L			09/27/14 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 14:54	1
Acetone	ND		10		ug/L			09/27/14 14:54	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 14:54	1
Benzene	ND		1.0		ug/L			09/27/14 14:54	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 14:54	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 14:54	1
Bromoform	ND		1.0		ug/L			09/27/14 14:54	1
Bromomethane	ND		1.0		ug/L			09/27/14 14:54	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 14:54	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 14:54	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 14:54	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 14:54	1
Chloroethane	ND		1.0		ug/L			09/27/14 14:54	1
Chloroform	ND		1.0		ug/L			09/27/14 14:54	1
Chloromethane	ND		1.0		ug/L			09/27/14 14:54	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 14:54	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 14:54	1
Dibromomethane	ND		1.0		ug/L			09/27/14 14:54	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 14:54	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 14:54	1
Iodomethane	ND		1.0		ug/L			09/27/14 14:54	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 14:54	1
Styrene	ND		1.0		ug/L			09/27/14 14:54	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 14:54	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 14:54	1
Trichloroethene	ND		1.0		ug/L			09/27/14 14:54	1
Toluene	ND		1.0		ug/L			09/27/14 14:54	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 14:54	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 14:54	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 14:54	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 14:54	1
Vinyl chloride	ND		1.0		ug/L			09/27/14 14:54	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 14:54	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 14:54	1
o-Xylene	ND		1.0		ug/L			09/27/14 14:54	1

TestAmerica Buffalo

Client Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: TRIP BLANK

Date Collected: 09/16/14 00:00

Date Received: 09/17/14 01:00

Lab Sample ID: 480-67407-9

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		09/27/14 14:54	1
Toluene-d8 (Surr)	102		71 - 126		09/27/14 14:54	1
4-Bromofluorobenzene (Surr)	100		73 - 120		09/27/14 14:54	1

Surrogate Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-67323-1	CD-1	113	94	95
480-67323-2	CD-1RA	115	93	93
480-67323-3	MW-1B	113	93	91
480-67323-4	MW-6A	115	94	92
480-67323-5	MW-6B	114	91	92
480-67323-5 MS	MW-6B	106	105	103
480-67323-5 MSD	MW-6B	102	103	102
480-67323-6	Scale House	118	92	93
480-67323-7	Trip Blank	115	93	92
480-67407-1	MW-1A	106	87	86
480-67407-2	MW-2A	114	93	95
480-67407-3	MW-2B	111	91	92
480-67407-4	MW-3A	104	101	101
480-67407-5	MW-3B	107	105	103
480-67407-6	MW-4A	101	98	97
480-67407-7	MW-5A	103	101	100
480-67407-8	MW-7A	101	101	97
480-67407-9	TRIP BLANK	103	102	100
LCS 480-204621/4	Lab Control Sample	100	101	103
LCS 480-204758/4	Lab Control Sample	106	105	107
LCS 480-204763/4	Lab Control Sample	102	103	104
MB 480-204621/6	Method Blank	107	96	97
MB 480-204758/8	Method Blank	101	100	99
MB 480-204763/6	Method Blank	106	95	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-204621/6

Matrix: Water

Analysis Batch: 204621

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 14:31	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/26/14 14:31	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/26/14 14:31	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/26/14 14:31	1
1,1-Dichloroethane	ND		1.0		ug/L			09/26/14 14:31	1
1,1-Dichloroethene	ND		1.0		ug/L			09/26/14 14:31	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/26/14 14:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/26/14 14:31	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/26/14 14:31	1
1,2-Dichloroethane	ND		1.0		ug/L			09/26/14 14:31	1
1,2-Dichloropropane	ND		1.0		ug/L			09/26/14 14:31	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/26/14 14:31	1
2-Butanone (MEK)	ND		10		ug/L			09/26/14 14:31	1
2-Hexanone	ND		5.0		ug/L			09/26/14 14:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/26/14 14:31	1
Acetone	ND		10		ug/L			09/26/14 14:31	1
Acrylonitrile	ND		5.0		ug/L			09/26/14 14:31	1
Benzene	ND		1.0		ug/L			09/26/14 14:31	1
Chlorobromomethane	ND		1.0		ug/L			09/26/14 14:31	1
Bromodichloromethane	ND		1.0		ug/L			09/26/14 14:31	1
Bromoform	ND		1.0		ug/L			09/26/14 14:31	1
Bromomethane	ND		1.0		ug/L			09/26/14 14:31	1
Carbon disulfide	ND		1.0		ug/L			09/26/14 14:31	1
Carbon tetrachloride	ND		1.0		ug/L			09/26/14 14:31	1
Chlorobenzene	ND		1.0		ug/L			09/26/14 14:31	1
Dibromochloromethane	ND		1.0		ug/L			09/26/14 14:31	1
Chloroethane	ND		1.0		ug/L			09/26/14 14:31	1
Chloroform	ND		1.0		ug/L			09/26/14 14:31	1
Chloromethane	ND		1.0		ug/L			09/26/14 14:31	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 14:31	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 14:31	1
Dibromomethane	ND		1.0		ug/L			09/26/14 14:31	1
Ethylbenzene	ND		1.0		ug/L			09/26/14 14:31	1
1,2-Dibromoethane	ND		1.0		ug/L			09/26/14 14:31	1
Iodomethane	ND		1.0		ug/L			09/26/14 14:31	1
Methylene Chloride	ND		1.0		ug/L			09/26/14 14:31	1
Styrene	ND		1.0		ug/L			09/26/14 14:31	1
Tetrachloroethene	ND		1.0		ug/L			09/26/14 14:31	1
Trichlorofluoromethane	ND		1.0		ug/L			09/26/14 14:31	1
Trichloroethene	ND		1.0		ug/L			09/26/14 14:31	1
Toluene	ND		1.0		ug/L			09/26/14 14:31	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/26/14 14:31	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/26/14 14:31	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/26/14 14:31	1
Vinyl acetate	ND		5.0		ug/L			09/26/14 14:31	1
Vinyl chloride	ND		1.0		ug/L			09/26/14 14:31	1
Xylenes, Total	ND		2.0		ug/L			09/26/14 14:31	1
m,p-Xylene	ND		2.0		ug/L			09/26/14 14:31	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-204621/6

Matrix: Water

Analysis Batch: 204621

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.0		ug/L			09/26/14 14:31	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 137					09/26/14 14:31	1
Toluene-d8 (Surr)	96		71 - 126					09/26/14 14:31	1
4-Bromofluorobenzene (Surr)	97		73 - 120					09/26/14 14:31	1

Lab Sample ID: LCS 480-204621/4

Matrix: Water

Analysis Batch: 204621

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	25.2		ug/L		101	71 - 129
1,1-Dichloroethene	25.0	25.2		ug/L		101	58 - 121
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 127
Benzene	25.0	24.8		ug/L		99	71 - 124
Chlorobenzene	25.0	24.6		ug/L		98	72 - 120
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124
Ethylbenzene	25.0	25.1		ug/L		101	77 - 123
Tetrachloroethene	25.0	23.6		ug/L		94	74 - 122
Trichloroethene	25.0	24.4		ug/L		98	74 - 123
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	73 - 127
m,p-Xylene	25.0	25.8		ug/L		103	76 - 122
o-Xylene	25.0	25.9		ug/L		104	76 - 122
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	100		66 - 137				
Toluene-d8 (Surr)	101		71 - 126				
4-Bromofluorobenzene (Surr)	103		73 - 120				

Lab Sample ID: 480-67323-5 MS

Matrix: Water

Analysis Batch: 204621

Client Sample ID: MW-6B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		25.0	23.1		ug/L		93	71 - 129
1,1-Dichloroethene	ND		25.0	23.1		ug/L		92	58 - 121
1,2-Dichlorobenzene	ND		25.0	20.4		ug/L		82	80 - 124
1,2-Dichloroethane	ND		25.0	21.7		ug/L		87	75 - 127
Benzene	ND		25.0	22.4		ug/L		90	71 - 124
Chlorobenzene	ND		25.0	21.6		ug/L		86	72 - 120
cis-1,2-Dichloroethene	ND		25.0	21.9		ug/L		88	74 - 124
Ethylbenzene	ND		25.0	21.6		ug/L		86	77 - 123
Tetrachloroethene	ND		25.0	22.0		ug/L		88	74 - 122
Trichloroethene	ND		25.0	21.1		ug/L		84	74 - 123
Toluene	ND		25.0	21.9		ug/L		87	80 - 122

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-67323-5 MS

Matrix: Water

Analysis Batch: 204621

Client Sample ID: MW-6B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	ND		25.0	23.0		ug/L		92	73 - 127
m,p-Xylene	ND		25.0	22.3		ug/L		89	76 - 122
o-Xylene	ND		25.0	22.2		ug/L		89	76 - 122
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	106		66 - 137						
Toluene-d8 (Surr)	105		71 - 126						
4-Bromofluorobenzene (Surr)	103		73 - 120						

Lab Sample ID: 480-67323-5 MSD

Matrix: Water

Analysis Batch: 204621

Client Sample ID: MW-6B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		25.0	25.7		ug/L		103	71 - 129	11	20
1,1-Dichloroethene	ND		25.0	25.7		ug/L		103	58 - 121	11	16
1,2-Dichlorobenzene	ND		25.0	23.6		ug/L		95	80 - 124	15	20
1,2-Dichloroethane	ND		25.0	24.7		ug/L		99	75 - 127	13	20
Benzene	ND		25.0	25.9	F2	ug/L		104	71 - 124	14	13
Chlorobenzene	ND		25.0	24.9		ug/L		100	72 - 120	14	25
cis-1,2-Dichloroethene	ND		25.0	25.2		ug/L		101	74 - 124	14	15
Ethylbenzene	ND		25.0	25.4	F2	ug/L		102	77 - 123	16	15
Tetrachloroethene	ND		25.0	24.8		ug/L		99	74 - 122	12	20
Trichloroethene	ND		25.0	24.7		ug/L		99	74 - 123	16	16
Toluene	ND		25.0	25.0		ug/L		100	80 - 122	13	15
trans-1,2-Dichloroethene	ND		25.0	26.0		ug/L		104	73 - 127	12	20
m,p-Xylene	ND		25.0	25.9		ug/L		104	76 - 122	15	16
o-Xylene	ND		25.0	25.7		ug/L		103	76 - 122	15	16
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	102		66 - 137								
Toluene-d8 (Surr)	103		71 - 126								
4-Bromofluorobenzene (Surr)	102		73 - 120								

Lab Sample ID: MB 480-204758/8

Matrix: Water

Analysis Batch: 204758

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 12:29	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 12:29	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 12:29	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 12:29	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 12:29	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 12:29	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 12:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 12:29	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 12:29	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-204758/8

Matrix: Water

Analysis Batch: 204758

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 12:29	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 12:29	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 12:29	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 12:29	1
2-Hexanone	ND		5.0		ug/L			09/27/14 12:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 12:29	1
Acetone	ND		10		ug/L			09/27/14 12:29	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 12:29	1
Benzene	ND		1.0		ug/L			09/27/14 12:29	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 12:29	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 12:29	1
Bromoform	ND		1.0		ug/L			09/27/14 12:29	1
Bromomethane	ND		1.0		ug/L			09/27/14 12:29	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 12:29	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 12:29	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 12:29	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 12:29	1
Chloroethane	ND		1.0		ug/L			09/27/14 12:29	1
Chloroform	ND		1.0		ug/L			09/27/14 12:29	1
Chloromethane	ND		1.0		ug/L			09/27/14 12:29	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 12:29	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 12:29	1
Dibromomethane	ND		1.0		ug/L			09/27/14 12:29	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 12:29	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 12:29	1
Iodomethane	ND		1.0		ug/L			09/27/14 12:29	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 12:29	1
Styrene	ND		1.0		ug/L			09/27/14 12:29	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 12:29	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 12:29	1
Trichloroethene	ND		1.0		ug/L			09/27/14 12:29	1
Toluene	ND		1.0		ug/L			09/27/14 12:29	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 12:29	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 12:29	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 12:29	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 12:29	1
Vinyl chloride	ND		1.0		ug/L			09/27/14 12:29	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 12:29	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 12:29	1
o-Xylene	ND		1.0		ug/L			09/27/14 12:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		09/27/14 12:29	1
Toluene-d8 (Surr)	100		71 - 126		09/27/14 12:29	1
4-Bromofluorobenzene (Surr)	99		73 - 120		09/27/14 12:29	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-204758/4

Matrix: Water

Analysis Batch: 204758

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	28.8		ug/L		115	71 - 129
1,1-Dichloroethene	25.0	29.3		ug/L		117	58 - 121
1,2-Dichlorobenzene	25.0	28.8		ug/L		115	80 - 124
1,2-Dichloroethane	25.0	28.3		ug/L		113	75 - 127
Benzene	25.0	28.0		ug/L		112	71 - 124
Chlorobenzene	25.0	28.0		ug/L		112	72 - 120
cis-1,2-Dichloroethene	25.0	27.9		ug/L		112	74 - 124
Ethylbenzene	25.0	28.1		ug/L		112	77 - 123
Tetrachloroethene	25.0	28.4		ug/L		113	74 - 122
Trichloroethene	25.0	28.2		ug/L		113	74 - 123
Toluene	25.0	27.9		ug/L		112	80 - 122
trans-1,2-Dichloroethene	25.0	28.7		ug/L		115	73 - 127
m,p-Xylene	25.0	28.3		ug/L		113	76 - 122
o-Xylene	25.0	28.2		ug/L		113	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
Toluene-d8 (Surr)	105		71 - 126
4-Bromofluorobenzene (Surr)	107		73 - 120

Lab Sample ID: MB 480-204763/6

Matrix: Water

Analysis Batch: 204763

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 12:12	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/14 12:12	1
1,1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/27/14 12:12	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/14 12:12	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/14 12:12	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/14 12:12	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/14 12:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/27/14 12:12	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/14 12:12	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/14 12:12	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/14 12:12	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/14 12:12	1
2-Butanone (MEK)	ND		10		ug/L			09/27/14 12:12	1
2-Hexanone	ND		5.0		ug/L			09/27/14 12:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/27/14 12:12	1
Acetone	ND		10		ug/L			09/27/14 12:12	1
Acrylonitrile	ND		5.0		ug/L			09/27/14 12:12	1
Benzene	ND		1.0		ug/L			09/27/14 12:12	1
Chlorobromomethane	ND		1.0		ug/L			09/27/14 12:12	1
Bromodichloromethane	ND		1.0		ug/L			09/27/14 12:12	1
Bromoform	ND		1.0		ug/L			09/27/14 12:12	1
Bromomethane	ND		1.0		ug/L			09/27/14 12:12	1
Carbon disulfide	ND		1.0		ug/L			09/27/14 12:12	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-204763/6

Matrix: Water

Analysis Batch: 204763

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0		ug/L			09/27/14 12:12	1
Chlorobenzene	ND		1.0		ug/L			09/27/14 12:12	1
Dibromochloromethane	ND		1.0		ug/L			09/27/14 12:12	1
Chloroethane	ND		1.0		ug/L			09/27/14 12:12	1
Chloroform	ND		1.0		ug/L			09/27/14 12:12	1
Chloromethane	ND		1.0		ug/L			09/27/14 12:12	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 12:12	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 12:12	1
Dibromomethane	ND		1.0		ug/L			09/27/14 12:12	1
Ethylbenzene	ND		1.0		ug/L			09/27/14 12:12	1
1,2-Dibromoethane	ND		1.0		ug/L			09/27/14 12:12	1
Iodomethane	ND		1.0		ug/L			09/27/14 12:12	1
Methylene Chloride	ND		1.0		ug/L			09/27/14 12:12	1
Styrene	ND		1.0		ug/L			09/27/14 12:12	1
Tetrachloroethene	ND		1.0		ug/L			09/27/14 12:12	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/14 12:12	1
Trichloroethene	ND		1.0		ug/L			09/27/14 12:12	1
Toluene	ND		1.0		ug/L			09/27/14 12:12	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/14 12:12	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/27/14 12:12	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/27/14 12:12	1
Vinyl acetate	ND		5.0		ug/L			09/27/14 12:12	1
Vinyl chloride	ND		1.0		ug/L			09/27/14 12:12	1
Xylenes, Total	ND		2.0		ug/L			09/27/14 12:12	1
m,p-Xylene	ND		2.0		ug/L			09/27/14 12:12	1
o-Xylene	ND		1.0		ug/L			09/27/14 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 137		09/27/14 12:12	1
Toluene-d8 (Surr)	95		71 - 126		09/27/14 12:12	1
4-Bromofluorobenzene (Surr)	97		73 - 120		09/27/14 12:12	1

Lab Sample ID: LCS 480-204763/4

Matrix: Water

Analysis Batch: 204763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.3		ug/L		97	71 - 129
1,1-Dichloroethene	25.0	23.7		ug/L		95	58 - 121
1,2-Dichlorobenzene	25.0	22.9		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	23.3		ug/L		93	75 - 127
Benzene	25.0	24.6		ug/L		98	71 - 124
Chlorobenzene	25.0	23.7		ug/L		95	72 - 120
cis-1,2-Dichloroethene	25.0	24.4		ug/L		97	74 - 124
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Tetrachloroethene	25.0	23.4		ug/L		94	74 - 122
Trichloroethene	25.0	23.4		ug/L		93	74 - 123
Toluene	25.0	24.1		ug/L		96	80 - 122

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-204763/4

Matrix: Water

Analysis Batch: 204763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
m,p-Xylene	25.0	24.5		ug/L		98	76 - 122
o-Xylene	25.0	24.8		ug/L		99	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
Toluene-d8 (Surr)	103		71 - 126
4-Bromofluorobenzene (Surr)	104		73 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-118865/6

Matrix: Water

Analysis Batch: 118865

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/22/14 10:39	1

Lab Sample ID: LCS 180-118865/5

Matrix: Water

Analysis Batch: 118865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: 480-67323-3 MS

Matrix: Water

Analysis Batch: 118865

Client Sample ID: MW-1B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	ND		5.00	5.26		mg/L		105	80 - 120

Lab Sample ID: 480-67323-3 MSD

Matrix: Water

Analysis Batch: 118865

Client Sample ID: MW-1B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromide	ND		5.00	5.11		mg/L		102	80 - 120	3	20

Lab Sample ID: MB 180-119201/6

Matrix: Water

Analysis Batch: 119201

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			09/24/14 09:45	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 180-119201/5

Matrix: Water

Analysis Batch: 119201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: 480-67323-6 MS

Matrix: Water

Analysis Batch: 119201

Client Sample ID: Scale House

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	ND		5.00	5.53		mg/L		111	80 - 120

Lab Sample ID: 480-67323-6 MSD

Matrix: Water

Analysis Batch: 119201

Client Sample ID: Scale House

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromide	ND		5.00	5.07		mg/L		101	80 - 120	9	20

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-202763/1-A

Matrix: Water

Analysis Batch: 203001

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 202763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/17/14 08:27	09/17/14 19:10	1
Antimony	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:10	1
Arsenic	ND		0.015		mg/L		09/17/14 08:27	09/17/14 19:10	1
Barium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:10	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:10	1
Boron	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:10	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:27	09/17/14 19:10	1
Calcium	ND		0.50		mg/L		09/17/14 08:27	09/17/14 19:10	1
Chromium	ND		0.0040		mg/L		09/17/14 08:27	09/17/14 19:10	1
Cobalt	ND		0.0040		mg/L		09/17/14 08:27	09/17/14 19:10	1
Copper	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:10	1
Iron	ND		0.050		mg/L		09/17/14 08:27	09/17/14 19:10	1
Lead	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:10	1
Magnesium	ND		0.20		mg/L		09/17/14 08:27	09/17/14 19:10	1
Manganese	ND		0.0030		mg/L		09/17/14 08:27	09/17/14 19:10	1
Nickel	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:10	1
Potassium	ND		0.50		mg/L		09/17/14 08:27	09/17/14 19:10	1
Selenium	ND		0.025		mg/L		09/17/14 08:27	09/17/14 19:10	1
Silver	ND		0.0060		mg/L		09/17/14 08:27	09/17/14 19:10	1
Sodium	ND		1.0		mg/L		09/17/14 08:27	09/17/14 19:10	1
Thallium	ND		0.020		mg/L		09/17/14 08:27	09/17/14 19:10	1
Vanadium	ND		0.0050		mg/L		09/17/14 08:27	09/17/14 19:10	1
Zinc	ND		0.010		mg/L		09/17/14 08:27	09/17/14 19:10	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

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

Lab Sample ID: LCS 480-202763/2-A

Matrix: Water

Analysis Batch: 203001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 202763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	10.24		mg/L		102	80 - 120
Antimony	0.200	0.202		mg/L		101	80 - 120
Arsenic	0.201	0.187		mg/L		93	80 - 120
Barium	0.200	0.196		mg/L		98	80 - 120
Beryllium	0.201	0.193		mg/L		97	80 - 120
Boron	0.200	0.199		mg/L		100	80 - 120
Cadmium	0.201	0.197		mg/L		98	80 - 120
Calcium	10.0	9.64		mg/L		96	80 - 120
Chromium	0.201	0.198		mg/L		99	80 - 120
Cobalt	0.201	0.197		mg/L		98	80 - 120
Copper	0.201	0.196		mg/L		98	80 - 120
Iron	10.0	9.55		mg/L		95	80 - 120
Lead	0.201	0.194		mg/L		97	80 - 120
Magnesium	10.0	10.20		mg/L		102	80 - 120
Manganese	0.201	0.202		mg/L		101	80 - 120
Nickel	0.201	0.198		mg/L		99	80 - 120
Potassium	10.0	9.63		mg/L		96	80 - 120
Selenium	0.201	0.194		mg/L		97	80 - 120
Silver	0.0500	0.0514		mg/L		103	80 - 120
Sodium	10.0	9.60		mg/L		96	80 - 120
Thallium	0.200	0.214		mg/L		107	80 - 120
Vanadium	0.201	0.208		mg/L		104	80 - 120
Zinc	0.201	0.208		mg/L		104	80 - 120

Lab Sample ID: MB 480-202837/1-A

Matrix: Water

Analysis Batch: 203250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 202837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/17/14 12:00	09/18/14 19:30	1
Antimony	ND		0.020		mg/L		09/17/14 12:00	09/18/14 19:30	1
Arsenic	ND		0.015		mg/L		09/17/14 12:00	09/18/14 19:30	1
Barium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 19:30	1
Beryllium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 19:30	1
Boron	ND		0.020		mg/L		09/17/14 12:00	09/18/14 19:30	1
Cadmium	ND		0.0020		mg/L		09/17/14 12:00	09/18/14 19:30	1
Calcium	ND		0.50		mg/L		09/17/14 12:00	09/18/14 19:30	1
Chromium	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 19:30	1
Cobalt	ND		0.0040		mg/L		09/17/14 12:00	09/18/14 19:30	1
Copper	ND		0.010		mg/L		09/17/14 12:00	09/18/14 19:30	1
Iron	ND		0.050		mg/L		09/17/14 12:00	09/18/14 19:30	1
Lead	ND		0.010		mg/L		09/17/14 12:00	09/18/14 19:30	1
Magnesium	ND		0.20		mg/L		09/17/14 12:00	09/18/14 19:30	1
Manganese	ND		0.0030		mg/L		09/17/14 12:00	09/18/14 19:30	1
Nickel	ND		0.010		mg/L		09/17/14 12:00	09/18/14 19:30	1
Potassium	ND		0.50		mg/L		09/17/14 12:00	09/18/14 19:30	1
Selenium	ND		0.025		mg/L		09/17/14 12:00	09/18/14 19:30	1
Silver	ND		0.0060		mg/L		09/17/14 12:00	09/18/14 19:30	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

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

Lab Sample ID: MB 480-202837/1-A

Matrix: Water

Analysis Batch: 203250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 202837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		1.0		mg/L		09/17/14 12:00	09/18/14 19:30	1
Thallium	ND		0.020		mg/L		09/17/14 12:00	09/18/14 19:30	1
Vanadium	ND		0.0050		mg/L		09/17/14 12:00	09/18/14 19:30	1
Zinc	ND		0.010		mg/L		09/17/14 12:00	09/18/14 19:30	1

Lab Sample ID: LCS 480-202837/2-A

Matrix: Water

Analysis Batch: 203250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 202837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	10.35		mg/L		103	80 - 120
Antimony	0.200	0.206		mg/L		103	80 - 120
Arsenic	0.201	0.194		mg/L		97	80 - 120
Barium	0.200	0.206		mg/L		103	80 - 120
Beryllium	0.201	0.197		mg/L		98	80 - 120
Boron	0.200	0.198		mg/L		99	80 - 120
Cadmium	0.201	0.198		mg/L		99	80 - 120
Calcium	10.0	9.72		mg/L		97	80 - 120
Chromium	0.201	0.196		mg/L		98	80 - 120
Cobalt	0.201	0.195		mg/L		97	80 - 120
Copper	0.201	0.205		mg/L		102	80 - 120
Iron	10.0	9.64		mg/L		96	80 - 120
Lead	0.201	0.190		mg/L		95	80 - 120
Magnesium	10.0	9.95		mg/L		99	80 - 120
Manganese	0.201	0.204		mg/L		102	80 - 120
Nickel	0.201	0.195		mg/L		97	80 - 120
Potassium	10.0	10.24		mg/L		102	80 - 120
Selenium	0.201	0.198		mg/L		99	80 - 120
Silver	0.0500	0.0491		mg/L		98	80 - 120
Sodium	10.0	10.15		mg/L		101	80 - 120
Thallium	0.200	0.208		mg/L		104	80 - 120
Vanadium	0.201	0.204		mg/L		102	80 - 120
Zinc	0.201	0.199		mg/L		99	80 - 120

Lab Sample ID: MB 480-202474/1-B

Matrix: Water

Analysis Batch: 204456

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 202909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/17/14 08:05	09/18/14 16:44	1
Antimony	ND		0.020		mg/L		09/17/14 08:05	09/18/14 16:44	1
Arsenic	ND		0.015		mg/L		09/17/14 08:05	09/18/14 16:44	1
Barium	ND		0.0020		mg/L		09/17/14 08:05	09/18/14 16:44	1
Beryllium	ND		0.0020		mg/L		09/17/14 08:05	09/18/14 16:44	1
Cadmium	ND		0.0020		mg/L		09/17/14 08:05	09/18/14 16:44	1
Calcium	ND		0.50		mg/L		09/17/14 08:05	09/18/14 16:44	1
Chromium	ND		0.0040		mg/L		09/17/14 08:05	09/18/14 16:44	1
Cobalt	ND		0.0040		mg/L		09/17/14 08:05	09/18/14 16:44	1
Copper	ND		0.010		mg/L		09/17/14 08:05	09/18/14 16:44	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

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

Lab Sample ID: MB 480-202474/1-B

Matrix: Water

Analysis Batch: 204456

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 202909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050		mg/L		09/17/14 08:05	09/18/14 16:44	1
Lead	ND		0.010		mg/L		09/17/14 08:05	09/18/14 16:44	1
Magnesium	ND		0.20		mg/L		09/17/14 08:05	09/18/14 16:44	1
Manganese	ND		0.0030		mg/L		09/17/14 08:05	09/18/14 16:44	1
Nickel	ND		0.010		mg/L		09/17/14 08:05	09/18/14 16:44	1
Selenium	ND		0.025		mg/L		09/17/14 08:05	09/18/14 16:44	1
Silver	ND		0.0060		mg/L		09/17/14 08:05	09/18/14 16:44	1
Sodium	ND		1.0		mg/L		09/17/14 08:05	09/18/14 16:44	1
Thallium	ND		0.020		mg/L		09/17/14 08:05	09/18/14 16:44	1
Vanadium	ND		0.0050		mg/L		09/17/14 08:05	09/18/14 16:44	1
Zinc	0.0118		0.010		mg/L		09/17/14 08:05	09/18/14 16:44	1

Lab Sample ID: MB 480-202474/1-B

Matrix: Water

Analysis Batch: 204850

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 202909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.020		mg/L		09/17/14 08:05	09/26/14 18:19	1
Potassium	ND		0.50		mg/L		09/17/14 08:05	09/26/14 18:19	1

Lab Sample ID: LCS 480-202474/2-B

Matrix: Water

Analysis Batch: 204456

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 202909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	10.32		mg/L		103	80 - 120
Antimony	0.200	0.208		mg/L		104	80 - 120
Arsenic	0.201	0.201		mg/L		100	80 - 120
Barium	0.200	0.207		mg/L		104	80 - 120
Beryllium	0.201	0.198		mg/L		99	80 - 120
Cadmium	0.201	0.203		mg/L		101	80 - 120
Calcium	10.0	9.83		mg/L		98	80 - 120
Chromium	0.201	0.208		mg/L		104	80 - 120
Cobalt	0.201	0.201		mg/L		100	80 - 120
Copper	0.201	0.218		mg/L		109	80 - 120
Iron	10.0	9.60		mg/L		96	80 - 120
Lead	0.201	0.198		mg/L		99	80 - 120
Magnesium	10.0	10.46		mg/L		105	80 - 120
Manganese	0.201	0.220		mg/L		109	80 - 120
Nickel	0.201	0.195		mg/L		97	80 - 120
Selenium	0.201	0.210		mg/L		105	80 - 120
Silver	0.0500	0.0499		mg/L		100	80 - 120
Sodium	10.0	9.87		mg/L		99	80 - 120
Thallium	0.200	0.214		mg/L		107	80 - 120
Vanadium	0.201	0.217		mg/L		108	80 - 120
Zinc	0.201	0.224		mg/L		112	80 - 120

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

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

Lab Sample ID: LCS 480-202474/2-B

Matrix: Water

Analysis Batch: 204850

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 202909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.200	0.205		mg/L		103	80 - 120
Potassium	10.0	10.08		mg/L		101	80 - 120

Lab Sample ID: MB 480-203311/1-B

Matrix: Water

Analysis Batch: 204162

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 203595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20		mg/L		09/22/14 11:23	09/23/14 20:31	1
Antimony	ND		0.020		mg/L		09/22/14 11:23	09/23/14 20:31	1
Arsenic	ND		0.015		mg/L		09/22/14 11:23	09/23/14 20:31	1
Beryllium	ND		0.0020		mg/L		09/22/14 11:23	09/23/14 20:31	1
Cadmium	ND		0.0020		mg/L		09/22/14 11:23	09/23/14 20:31	1
Calcium	ND		0.50		mg/L		09/22/14 11:23	09/23/14 20:31	1
Chromium	ND		0.0040		mg/L		09/22/14 11:23	09/23/14 20:31	1
Cobalt	ND		0.0040		mg/L		09/22/14 11:23	09/23/14 20:31	1
Copper	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:31	1
Iron	ND		0.050		mg/L		09/22/14 11:23	09/23/14 20:31	1
Lead	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:31	1
Magnesium	ND		0.20		mg/L		09/22/14 11:23	09/23/14 20:31	1
Manganese	ND		0.0030		mg/L		09/22/14 11:23	09/23/14 20:31	1
Nickel	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:31	1
Potassium	ND		0.50		mg/L		09/22/14 11:23	09/23/14 20:31	1
Silver	ND		0.0060		mg/L		09/22/14 11:23	09/23/14 20:31	1
Sodium	ND		1.0		mg/L		09/22/14 11:23	09/23/14 20:31	1
Thallium	ND		0.020		mg/L		09/22/14 11:23	09/23/14 20:31	1
Vanadium	ND		0.0050		mg/L		09/22/14 11:23	09/23/14 20:31	1
Zinc	ND		0.010		mg/L		09/22/14 11:23	09/23/14 20:31	1

Lab Sample ID: MB 480-203311/1-B

Matrix: Water

Analysis Batch: 205706

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 203595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.0186		0.0020		mg/L		09/22/14 11:23	09/29/14 15:39	1
Boron	ND		0.020		mg/L		09/22/14 11:23	09/29/14 15:39	1
Selenium	ND		0.025		mg/L		09/22/14 11:23	09/29/14 15:39	1

Lab Sample ID: LCS 480-203311/2-B

Matrix: Water

Analysis Batch: 204162

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 203595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	10.40		mg/L		104	80 - 120
Antimony	0.200	0.208		mg/L		104	80 - 120
Arsenic	0.201	0.197		mg/L		98	80 - 120
Barium	0.200	0.231		mg/L		115	80 - 120
Beryllium	0.201	0.205		mg/L		102	80 - 120
Cadmium	0.201	0.204		mg/L		102	80 - 120

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

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

Lab Sample ID: LCS 480-203311/2-B

Matrix: Water

Analysis Batch: 204162

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 203595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	10.0	10.16		mg/L		101	80 - 120
Chromium	0.201	0.205		mg/L		102	80 - 120
Cobalt	0.201	0.206		mg/L		103	80 - 120
Copper	0.201	0.204		mg/L		102	80 - 120
Iron	10.0	10.10		mg/L		101	80 - 120
Lead	0.201	0.199		mg/L		99	80 - 120
Magnesium	10.0	10.14		mg/L		101	80 - 120
Manganese	0.201	0.208		mg/L		104	80 - 120
Nickel	0.201	0.200		mg/L		100	80 - 120
Potassium	10.0	10.02		mg/L		100	80 - 120
Silver	0.0500	0.0510		mg/L		102	80 - 120
Sodium	10.0	10.52		mg/L		105	80 - 120
Thallium	0.200	0.211		mg/L		106	80 - 120
Vanadium	0.201	0.209		mg/L		104	80 - 120
Zinc	0.201	0.209		mg/L		104	80 - 120

Lab Sample ID: LCS 480-203311/2-B

Matrix: Water

Analysis Batch: 205127

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 203595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.200	0.222		mg/L		111	80 - 120
Boron	0.200	0.203		mg/L		102	80 - 120
Selenium	0.201	0.197		mg/L		98	80 - 120

Lab Sample ID: MB 480-205897/1-B

Matrix: Water

Analysis Batch: 206659

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 206156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.00228		0.0020		mg/L		10/06/14 13:03	10/08/14 11:36	1

Lab Sample ID: LCS 480-205897/2-B

Matrix: Water

Analysis Batch: 206659

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 206156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.200	0.206		mg/L		103	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-203015/1-A

Matrix: Water

Analysis Batch: 203265

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203015

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 14:12	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

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

Lab Sample ID: LCS 480-203015/2-A

Matrix: Water

Analysis Batch: 203265

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00708		mg/L		106	80 - 120

Lab Sample ID: MB 480-203017/1-A

Matrix: Water

Analysis Batch: 203265

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/18/14 09:15	09/18/14 15:54	1

Lab Sample ID: LCS 480-203017/2-A

Matrix: Water

Analysis Batch: 203265

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203017

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

Method: 310.2 - Alkalinity

Lab Sample ID: MB 480-202998/115

Matrix: Water

Analysis Batch: 202998

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		10.0		mg/L			09/18/14 04:20	1

Lab Sample ID: MB 480-202998/24

Matrix: Water

Analysis Batch: 202998

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		10.0		mg/L			09/18/14 00:19	1

Lab Sample ID: MB 480-202998/9

Matrix: Water

Analysis Batch: 202998

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		10.0		mg/L			09/17/14 22:51	1

Lab Sample ID: LCS 480-202998/114

Matrix: Water

Analysis Batch: 202998

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	45.34		mg/L		91	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 310.2 - Alkalinity (Continued)

Lab Sample ID: LCS 480-202998/23

Matrix: Water

Analysis Batch: 202998

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	48.17		mg/L		96	90 - 110

Lab Sample ID: LCS 480-202998/8

Matrix: Water

Analysis Batch: 202998

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	47.82		mg/L		96	90 - 110

Lab Sample ID: MB 480-204428/46

Matrix: Water

Analysis Batch: 204428

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		10.0		mg/L			09/25/14 07:10	1

Lab Sample ID: MB 480-204428/57

Matrix: Water

Analysis Batch: 204428

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		10.0		mg/L			09/25/14 07:22	1

Lab Sample ID: LCS 480-204428/55

Matrix: Water

Analysis Batch: 204428

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	49.29		mg/L		99	90 - 110

Lab Sample ID: LCS 480-204428/56

Matrix: Water

Analysis Batch: 204428

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	47.02		mg/L		94	90 - 110

Lab Sample ID: 480-67407-5 MS

Matrix: Water

Analysis Batch: 204428

Client Sample ID: MW-3B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	185		20.0	188.3	4	mg/L		18	42 - 116

Lab Sample ID: 480-67407-5 MSD

Matrix: Water

Analysis Batch: 204428

Client Sample ID: MW-3B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Alkalinity, Total	185		20.0	182.1	4	mg/L		-13	42 - 116	3	20

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Lab Sample ID: MB 480-204789/106
Matrix: Water
Analysis Batch: 204789

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		10.0		mg/L			09/27/14 10:20	1

Lab Sample ID: MB 480-204789/24
Matrix: Water
Analysis Batch: 204789

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		10.0		mg/L			09/26/14 08:42	1

Lab Sample ID: MB 480-204789/37
Matrix: Water
Analysis Batch: 204789

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		10.0		mg/L			09/26/14 12:17	1

Lab Sample ID: MB 480-204789/47
Matrix: Water
Analysis Batch: 204789

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		10.0		mg/L			09/26/14 12:21	1

Lab Sample ID: LCS 480-204789/105
Matrix: Water
Analysis Batch: 204789

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	53.93		mg/L		108	90 - 110

Lab Sample ID: LCS 480-204789/23
Matrix: Water
Analysis Batch: 204789

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	50.75		mg/L		102	90 - 110

Lab Sample ID: LCS 480-204789/36
Matrix: Water
Analysis Batch: 204789

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	50.27		mg/L		101	90 - 110

Lab Sample ID: LCS 480-204789/46
Matrix: Water
Analysis Batch: 204789

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	47.58		mg/L		95	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 310.2 - Alkalinity (Continued)

Lab Sample ID: 480-67323-5 MS

Matrix: Water

Analysis Batch: 204789

Client Sample ID: MW-6B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	173		20.0	229.8	4	mg/L		281	42 - 116

Lab Sample ID: 480-67323-5 DU

Matrix: Water

Analysis Batch: 204789

Client Sample ID: MW-6B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total	173		185.6		mg/L		7	20

Lab Sample ID: MB 480-205207/17

Matrix: Water

Analysis Batch: 205207

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		10.0		mg/L			09/29/14 16:08	1

Lab Sample ID: MB 480-205207/27

Matrix: Water

Analysis Batch: 205207

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		10.0		mg/L			09/29/14 16:16	1

Lab Sample ID: MB 480-205207/71

Matrix: Water

Analysis Batch: 205207

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		10.0		mg/L			09/29/14 17:29	1

Lab Sample ID: MB 480-205207/76

Matrix: Water

Analysis Batch: 205207

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		10.0		mg/L			09/29/14 17:41	1

Lab Sample ID: LCS 480-205207/16

Matrix: Water

Analysis Batch: 205207

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	51.79		mg/L		104	90 - 110

Lab Sample ID: LCS 480-205207/26

Matrix: Water

Analysis Batch: 205207

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	50.68		mg/L		101	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Lab Sample ID: LCS 480-205207/70
Matrix: Water
Analysis Batch: 205207

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	51.91		mg/L		104	90 - 110

Lab Sample ID: LCS 480-205207/75
Matrix: Water
Analysis Batch: 205207

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	48.87		mg/L		98	90 - 110

Lab Sample ID: 480-67407-2 MS
Matrix: Water
Analysis Batch: 205207

Client Sample ID: MW-2A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	351		20.0	346.5	4	mg/L		-25	42 - 116

Lab Sample ID: 480-67407-2 MSD
Matrix: Water
Analysis Batch: 205207

Client Sample ID: MW-2A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Total	351		20.0	350.3	4	mg/L		-6	42 - 116	1	20

Lab Sample ID: 480-67407-6 MS
Matrix: Water
Analysis Batch: 205207

Client Sample ID: MW-4A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	300		20.0	315.9	4	mg/L		81	42 - 116

Lab Sample ID: 480-67407-6 MSD
Matrix: Water
Analysis Batch: 205207

Client Sample ID: MW-4A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Total	300		20.0	328.7	4	mg/L		145	42 - 116	4	20

Lab Sample ID: MB 480-205320/102
Matrix: Water
Analysis Batch: 205320

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		10.0		mg/L			09/30/14 22:41	1

Lab Sample ID: MB 480-205320/56
Matrix: Water
Analysis Batch: 205320

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		10.0		mg/L			09/30/14 21:23	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 310.2 - Alkalinity (Continued)

Lab Sample ID: MB 480-205320/69

Matrix: Water

Analysis Batch: 205320

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		10.0		mg/L			09/30/14 21:38	1

Lab Sample ID: LCS 480-205320/101

Matrix: Water

Analysis Batch: 205320

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	52.89		mg/L		106	90 - 110

Lab Sample ID: LCS 480-205320/55

Matrix: Water

Analysis Batch: 205320

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	45.97		mg/L		92	90 - 110

Lab Sample ID: LCS 480-205320/68

Matrix: Water

Analysis Batch: 205320

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	48.10		mg/L		96	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-202956/123

Matrix: Water

Analysis Batch: 202956

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		mg/L			09/17/14 17:30	1

Lab Sample ID: MB 480-202956/192

Matrix: Water

Analysis Batch: 202956

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		mg/L			09/17/14 18:31	1

Lab Sample ID: MB 480-202956/216

Matrix: Water

Analysis Batch: 202956

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		mg/L			09/17/14 18:52	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 480-202956/27

Matrix: Water

Analysis Batch: 202956

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		mg/L			09/17/14 16:07	1

Lab Sample ID: MB 480-202956/3

Matrix: Water

Analysis Batch: 202956

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		mg/L			09/17/14 15:46	1

Lab Sample ID: LCS 480-202956/124

Matrix: Water

Analysis Batch: 202956

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	1.03		mg/L		103	90 - 110

Lab Sample ID: LCS 480-202956/193

Matrix: Water

Analysis Batch: 202956

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	1.05		mg/L		105	90 - 110

Lab Sample ID: LCS 480-202956/217

Matrix: Water

Analysis Batch: 202956

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	1.05		mg/L		105	90 - 110

Lab Sample ID: LCS 480-202956/28

Matrix: Water

Analysis Batch: 202956

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	1.04		mg/L		104	90 - 110

Lab Sample ID: LCS 480-202956/4

Matrix: Water

Analysis Batch: 202956

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	1.03		mg/L		103	90 - 110

Lab Sample ID: 480-67323-4 MS

Matrix: Water

Analysis Batch: 202956

Client Sample ID: MW-6A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.091		0.200	0.229	F1	mg/L		69	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Lab Sample ID: 480-67407-5 MS
Matrix: Water
Analysis Batch: 202956

Client Sample ID: MW-3B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	ND		0.200	0.208		mg/L		104	90 - 110

Lab Sample ID: 480-67407-6 MS
Matrix: Water
Analysis Batch: 202956

Client Sample ID: MW-4A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	ND		0.200	0.173	F1	mg/L		87	90 - 110

Lab Sample ID: 480-67407-6 DU
Matrix: Water
Analysis Batch: 202956

Client Sample ID: MW-4A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	ND		ND		mg/L		NC	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-203955/1-A
Matrix: Water
Analysis Batch: 204118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20		mg/L		09/23/14 17:24	09/24/14 09:48	1

Lab Sample ID: LCS 480-203955/2-A
Matrix: Water
Analysis Batch: 204118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.49		mg/L		100	90 - 110

Lab Sample ID: MB 480-204254/1-A
Matrix: Water
Analysis Batch: 204372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 204254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20		mg/L		09/25/14 06:19	09/25/14 10:18	1

Lab Sample ID: LCS 480-204254/2-A
Matrix: Water
Analysis Batch: 204372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 204254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.48		mg/L		99	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: 480-67323-6 MS

Matrix: Water

Analysis Batch: 204372

Client Sample ID: Scale House

Prep Type: Total/NA

Prep Batch: 204254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	ND		1.00	0.918		mg/L		92	90 - 110

Lab Sample ID: MB 480-204255/1-A

Matrix: Water

Analysis Batch: 204372

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20		mg/L		09/25/14 06:27	09/25/14 10:18	1

Lab Sample ID: LCS 480-204255/2-A

Matrix: Water

Analysis Batch: 204372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.50		mg/L		100	90 - 110

Method: 410.4 - COD

Lab Sample ID: MB 480-204009/51

Matrix: Water

Analysis Batch: 204009

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		10.0		mg/L			09/23/14 20:50	1

Lab Sample ID: MB 480-204009/75

Matrix: Water

Analysis Batch: 204009

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		10.0		mg/L			09/23/14 20:50	1

Lab Sample ID: LCS 480-204009/52

Matrix: Water

Analysis Batch: 204009

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	24.78		mg/L		99	90 - 110

Lab Sample ID: LCS 480-204009/76

Matrix: Water

Analysis Batch: 204009

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	22.53		mg/L		90	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 410.4 - COD (Continued)

Lab Sample ID: 480-67323-2 DU

Matrix: Water

Analysis Batch: 204009

Client Sample ID: CD-1RA

Prep Type: Total/NA

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

Lab Sample ID: MB 480-204131/27

Matrix: Water

Analysis Batch: 204131

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		10.0		mg/L			09/24/14 09:38	1

Lab Sample ID: LCS 480-204131/28

Matrix: Water

Analysis Batch: 204131

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	22.85		mg/L		91	90 - 110

Lab Sample ID: MB 480-204132/27

Matrix: Water

Analysis Batch: 204132

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		10.0		mg/L			09/24/14 10:35	1

Lab Sample ID: MB 480-204132/3

Matrix: Water

Analysis Batch: 204132

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		10.0		mg/L			09/24/14 10:35	1

Lab Sample ID: LCS 480-204132/28

Matrix: Water

Analysis Batch: 204132

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	23.17		mg/L		93	90 - 110

Lab Sample ID: LCS 480-204132/4

Matrix: Water

Analysis Batch: 204132

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	27.04		mg/L		108	90 - 110

Lab Sample ID: MB 480-204501/27

Matrix: Water

Analysis Batch: 204501

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		10.0		mg/L			09/25/14 22:52	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Lab Sample ID: MB 480-204501/3
Matrix: Water
Analysis Batch: 204501

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		10.0		mg/L			09/25/14 22:52	1

Lab Sample ID: MB 480-204501/51
Matrix: Water
Analysis Batch: 204501

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		10.0		mg/L			09/25/14 22:52	1

Lab Sample ID: LCS 480-204501/28
Matrix: Water
Analysis Batch: 204501

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	24.14		mg/L		97	90 - 110

Lab Sample ID: LCS 480-204501/4
Matrix: Water
Analysis Batch: 204501

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	26.07		mg/L		104	90 - 110

Lab Sample ID: LCS 480-204501/52
Matrix: Water
Analysis Batch: 204501

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	23.49		mg/L		94	90 - 110

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-204159/1-A
Matrix: Water
Analysis Batch: 204436

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 204159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010		mg/L		09/24/14 09:09	09/25/14 12:36	1

Lab Sample ID: LCS 480-204159/2-A
Matrix: Water
Analysis Batch: 204436

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 204159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.110		mg/L		110	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: 480-67407-8 MS

Matrix: Water

Analysis Batch: 204436

Client Sample ID: MW-7A

Prep Type: Total/NA

Prep Batch: 204159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	ND		0.100	0.109		mg/L		102	90 - 110

Lab Sample ID: MB 480-204464/1-A

Matrix: Water

Analysis Batch: 204648

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010		mg/L		09/25/14 08:54	09/26/14 11:14	1

Lab Sample ID: LCS 480-204464/2-A

Matrix: Water

Analysis Batch: 204648

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.104		mg/L		104	90 - 110

Lab Sample ID: 480-67323-6 MS

Matrix: Water

Analysis Batch: 204648

Client Sample ID: Scale House

Prep Type: Total/NA

Prep Batch: 204464

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	ND		0.100	0.106		mg/L		100	90 - 110

Lab Sample ID: MB 480-205986/1-A

Matrix: Water

Analysis Batch: 206073

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010		mg/L		10/03/14 12:45	10/04/14 10:39	1

Lab Sample ID: LCS 480-205986/2-A

Matrix: Water

Analysis Batch: 206073

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.0982		mg/L		98	90 - 110

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-202652/3

Matrix: Water

Analysis Batch: 202652

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		mg/L			09/16/14 13:23	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCS 480-202652/4

Matrix: Water

Analysis Batch: 202652

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	0.0458		mg/L		92	85 - 115

Lab Sample ID: 480-67323-5 MS

Matrix: Water

Analysis Batch: 202652

Client Sample ID: MW-6B

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	0.0476		mg/L		95	85 - 115

Lab Sample ID: 480-67323-6 DU

Matrix: Water

Analysis Batch: 202652

Client Sample ID: Scale House

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	ND		ND		mg/L		NC	15

Lab Sample ID: MB 480-202748/3

Matrix: Water

Analysis Batch: 202748

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		mg/L			09/17/14 04:45	1

Lab Sample ID: LCS 480-202748/4

Matrix: Water

Analysis Batch: 202748

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	0.0467		mg/L		93	85 - 115

Lab Sample ID: 480-67407-6 MS

Matrix: Water

Analysis Batch: 202748

Client Sample ID: MW-4A

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	0.0397	F1	mg/L		79	85 - 115

Lab Sample ID: 480-67407-5 DU

Matrix: Water

Analysis Batch: 202748

Client Sample ID: MW-3B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	ND		ND		mg/L		NC	15

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 480-202950/106

Matrix: Water

Analysis Batch: 202950

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0		mg/L			09/17/14 14:50	1

Lab Sample ID: MB 480-202950/72

Matrix: Water

Analysis Batch: 202950

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0		mg/L			09/17/14 13:20	1

Lab Sample ID: LCS 480-202950/105

Matrix: Water

Analysis Batch: 202950

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	28.50		mg/L		95	90 - 110

Lab Sample ID: LCS 480-202950/71

Matrix: Water

Analysis Batch: 202950

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	28.65		mg/L		96	90 - 110

Lab Sample ID: 480-67323-3 MS

Matrix: Water

Analysis Batch: 202950

Client Sample ID: MW-1B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	8.3		20.0	33.33		mg/L		125	60 - 128

Lab Sample ID: 480-67323-3 DU

Matrix: Water

Analysis Batch: 202950

Client Sample ID: MW-1B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	8.3		8.18		mg/L		0.9	20

Lab Sample ID: MB 480-203179/12

Matrix: Water

Analysis Batch: 203179

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0		mg/L			09/18/14 10:11	1

Lab Sample ID: MB 480-203179/60

Matrix: Water

Analysis Batch: 203179

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0		mg/L			09/18/14 11:37	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Lab Sample ID: LCS 480-203179/11
Matrix: Water
Analysis Batch: 203179

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	29.95		mg/L		100	90 - 110

Lab Sample ID: LCS 480-203179/59
Matrix: Water
Analysis Batch: 203179

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	29.73		mg/L		99	90 - 110

Lab Sample ID: MB 480-203382/12
Matrix: Water
Analysis Batch: 203382

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0		mg/L			09/19/14 11:17	1

Lab Sample ID: MB 480-203382/20
Matrix: Water
Analysis Batch: 203382

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0		mg/L			09/19/14 11:20	1

Lab Sample ID: LCS 480-203382/11
Matrix: Water
Analysis Batch: 203382

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	28.92		mg/L		96	90 - 110

Lab Sample ID: LCS 480-203382/19
Matrix: Water
Analysis Batch: 203382

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	28.71		mg/L		96	90 - 110

Lab Sample ID: 480-67407-1 MS
Matrix: Water
Analysis Batch: 203382

Client Sample ID: MW-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	19.1		20.0	33.21		mg/L		71	60 - 128

Lab Sample ID: 480-67407-1 DU
Matrix: Water
Analysis Batch: 203382

Client Sample ID: MW-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	19.1		19.06		mg/L		0.08	20

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: MB 480-203712/12

Matrix: Water

Analysis Batch: 203712

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0		mg/L			09/22/14 09:54	1

Lab Sample ID: LCS 480-203712/11

Matrix: Water

Analysis Batch: 203712

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	29.54		mg/L		98	90 - 110

Lab Sample ID: 480-67407-5 MS

Matrix: Water

Analysis Batch: 203712

Client Sample ID: MW-3B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	15.2		20.0	29.79		mg/L		73	60 - 128

Lab Sample ID: 480-67407-5 DU

Matrix: Water

Analysis Batch: 203712

Client Sample ID: MW-3B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	15.2		14.37		mg/L		6	20

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 480-202739/3

Matrix: Water

Analysis Batch: 202739

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/16/14 23:40	1

Lab Sample ID: LCS 480-202739/4

Matrix: Water

Analysis Batch: 202739

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	30.00		Color Units		100	90 - 110

Lab Sample ID: 480-67323-3 DU

Matrix: Water

Analysis Batch: 202739

Client Sample ID: MW-1B

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

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: SM 2120B - Color, Colorimetric (Continued)

Lab Sample ID: MB 480-202972/27

Matrix: Water

Analysis Batch: 202972

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/17/14 20:30	1

Lab Sample ID: MB 480-202972/3

Matrix: Water

Analysis Batch: 202972

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00		Color Units			09/17/14 20:30	1

Lab Sample ID: LCS 480-202972/28

Matrix: Water

Analysis Batch: 202972

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	30.00		Color Units		100	90 - 110

Lab Sample ID: LCS 480-202972/4

Matrix: Water

Analysis Batch: 202972

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	30.00		Color Units		100	90 - 110

Lab Sample ID: 480-67407-1 DU

Matrix: Water

Analysis Batch: 202972

Client Sample ID: MW-1A

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

Lab Sample ID: 480-67407-7 DU

Matrix: Water

Analysis Batch: 202972

Client Sample ID: MW-5A

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 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-202887/1

Matrix: Water

Analysis Batch: 202887

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		10.0		mg/L			09/17/14 14:15	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

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

Lab Sample ID: LCS 480-202887/2

Matrix: Water

Analysis Batch: 202887

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	523	516.0		mg/L		99	85 - 115

Lab Sample ID: 480-67323-5 DU

Matrix: Water

Analysis Batch: 202887

Client Sample ID: MW-6B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	193		203.0		mg/L		5	20

Lab Sample ID: 480-67323-6 DU

Matrix: Water

Analysis Batch: 202887

Client Sample ID: Scale House

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	174		182.0		mg/L		4	20

Lab Sample ID: MB 480-202888/1

Matrix: Water

Analysis Batch: 202888

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		10.0		mg/L			09/17/14 15:06	1

Lab Sample ID: LCS 480-202888/2

Matrix: Water

Analysis Batch: 202888

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	523	513.0		mg/L		98	85 - 115

Lab Sample ID: 480-67323-3 DU

Matrix: Water

Analysis Batch: 202888

Client Sample ID: MW-1B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	90.0		96.00		mg/L		6	20

Lab Sample ID: MB 480-203110/1

Matrix: Water

Analysis Batch: 203110

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		10.0		mg/L			09/18/14 14:16	1

Lab Sample ID: LCS 480-203110/2

Matrix: Water

Analysis Batch: 203110

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	523	507.0		mg/L		97	85 - 115

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Lab Sample ID: 480-67407-1 DU
Matrix: Water
Analysis Batch: 203110

Client Sample ID: MW-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	237		237.0		mg/L		0	20

Lab Sample ID: MB 480-203164/1
Matrix: Water
Analysis Batch: 203164

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		10.0		mg/L			09/18/14 15:13	1

Lab Sample ID: LCS 480-203164/2
Matrix: Water
Analysis Batch: 203164

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	523	525.0		mg/L		100	85 - 115

Lab Sample ID: 480-67407-7 DU
Matrix: Water
Analysis Batch: 203164

Client Sample ID: MW-5A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	154		161.0		mg/L		4	20

Lab Sample ID: 480-67407-8 DU
Matrix: Water
Analysis Batch: 203164

Client Sample ID: MW-7A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	649		630.0		mg/L		3	20

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 480-202999/21
Matrix: Water
Analysis Batch: 202999

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			09/17/14 23:51	1

Lab Sample ID: MB 480-202999/84
Matrix: Water
Analysis Batch: 202999

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			09/18/14 01:52	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 480-202999/20

Matrix: Water

Analysis Batch: 202999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	26.38		mg/L		106	90 - 110

Lab Sample ID: LCS 480-202999/83

Matrix: Water

Analysis Batch: 202999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	26.30		mg/L		105	90 - 110

Lab Sample ID: MB 480-204429/59

Matrix: Water

Analysis Batch: 204429

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			09/24/14 17:43	1

Lab Sample ID: MB 480-204429/92

Matrix: Water

Analysis Batch: 204429

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			09/25/14 07:14	1

Lab Sample ID: LCS 480-204429/58

Matrix: Water

Analysis Batch: 204429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	27.12		mg/L		108	90 - 110

Lab Sample ID: LCS 480-204429/91

Matrix: Water

Analysis Batch: 204429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	27.50		mg/L		110	90 - 110

Lab Sample ID: 480-67407-1 MS

Matrix: Water

Analysis Batch: 204429

Client Sample ID: MW-1A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	38.5		20.0	60.57		mg/L		110	74 - 131

Lab Sample ID: 480-67407-1 MSD

Matrix: Water

Analysis Batch: 204429

Client Sample ID: MW-1A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	38.5		20.0	60.41		mg/L		110	74 - 131	0	20

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Lab Sample ID: 480-67407-5 MS

Matrix: Water

Analysis Batch: 204429

Client Sample ID: MW-3B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.3		20.0	42.57		mg/L		86	74 - 131

Lab Sample ID: 480-67407-5 MSD

Matrix: Water

Analysis Batch: 204429

Client Sample ID: MW-3B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	25.3		20.0	43.76		mg/L		92	74 - 131	3	20

Lab Sample ID: MB 480-204790/25

Matrix: Water

Analysis Batch: 204790

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			09/26/14 12:41	1

Lab Sample ID: MB 480-204790/74

Matrix: Water

Analysis Batch: 204790

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			09/26/14 16:10	1

Lab Sample ID: LCS 480-204790/24

Matrix: Water

Analysis Batch: 204790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	27.28		mg/L		109	90 - 110

Lab Sample ID: LCS 480-204790/73

Matrix: Water

Analysis Batch: 204790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	26.47		mg/L		106	90 - 110

Lab Sample ID: MB 480-205206/17

Matrix: Water

Analysis Batch: 205206

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			09/29/14 16:05	1

Lab Sample ID: LCS 480-205206/16

Matrix: Water

Analysis Batch: 205206

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	25.76		mg/L		103	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 480-67407-6 MS

Matrix: Water

Analysis Batch: 205206

Client Sample ID: MW-4A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	19.7		20.0	39.44		mg/L		98	74 - 131

Lab Sample ID: 480-67407-6 MSD

Matrix: Water

Analysis Batch: 205206

Client Sample ID: MW-4A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	19.7		20.0	40.58		mg/L		104	74 - 131	3	20

Lab Sample ID: MB 480-206423/111

Matrix: Water

Analysis Batch: 206423

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			10/07/14 11:48	1

Lab Sample ID: MB 480-206423/126

Matrix: Water

Analysis Batch: 206423

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			10/07/14 12:17	1

Lab Sample ID: MB 480-206423/13

Matrix: Water

Analysis Batch: 206423

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			10/07/14 10:04	1

Lab Sample ID: MB 480-206423/23

Matrix: Water

Analysis Batch: 206423

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			10/07/14 10:13	1

Lab Sample ID: MB 480-206423/69

Matrix: Water

Analysis Batch: 206423

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0		mg/L			10/07/14 11:28	1

Lab Sample ID: LCS 480-206423/110

Matrix: Water

Analysis Batch: 206423

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	27.01		mg/L		108	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Lab Sample ID: LCS 480-206423/12
Matrix: Water
Analysis Batch: 206423

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	26.76		mg/L		107	90 - 110

Lab Sample ID: LCS 480-206423/125
Matrix: Water
Analysis Batch: 206423

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	26.82		mg/L		107	90 - 110

Lab Sample ID: LCS 480-206423/22
Matrix: Water
Analysis Batch: 206423

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	26.81		mg/L		107	90 - 110

Lab Sample ID: LCS 480-206423/68
Matrix: Water
Analysis Batch: 206423

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	26.71		mg/L		107	90 - 110

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 480-203769/1-A
Matrix: Water
Analysis Batch: 203989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		09/22/14 21:50	09/23/14 19:20	1

Lab Sample ID: LCS 480-203769/2-A
Matrix: Water
Analysis Batch: 203989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.225		mg/L		90	90 - 110

Lab Sample ID: 480-67323-6 MS
Matrix: Water
Analysis Batch: 203989

Client Sample ID: Scale House
Prep Type: Total/NA
Prep Batch: 203769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.100	0.0914		mg/L		91	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: SM 4500 CN E - Cyanide, Total (Continued)

Lab Sample ID: 480-67323-4 DU

Matrix: Water

Analysis Batch: 203989

Client Sample ID: MW-6A

Prep Type: Total/NA

Prep Batch: 203769

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	ND		ND		mg/L		NC	15

Lab Sample ID: MB 480-203966/1-A

Matrix: Water

Analysis Batch: 204222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 203966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		09/23/14 16:00	09/24/14 18:55	1

Lab Sample ID: LCS 480-203966/2-A

Matrix: Water

Analysis Batch: 204222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 203966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.245		mg/L		98	90 - 110

Lab Sample ID: 480-67407-8 MS

Matrix: Water

Analysis Batch: 204222

Client Sample ID: MW-7A

Prep Type: Total/NA

Prep Batch: 203966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.100	0.101		mg/L		101	90 - 110

Lab Sample ID: MB 480-204091/1-A

Matrix: Water

Analysis Batch: 204222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		09/24/14 01:15	09/24/14 19:57	1

Lab Sample ID: LCS 480-204091/2-A

Matrix: Water

Analysis Batch: 204222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.411		mg/L		103	90 - 110

Lab Sample ID: 480-67407-4 MS

Matrix: Water

Analysis Batch: 204222

Client Sample ID: MW-3A

Prep Type: Total/NA

Prep Batch: 204091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.100	0.0965		mg/L		97	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-202731/1

Matrix: Water

Analysis Batch: 202731

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		mg/L			09/16/14 18:13	1

Lab Sample ID: LCS 480-202731/2

Matrix: Water

Analysis Batch: 202731

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	173.0		mg/L		87	85 - 115

Lab Sample ID: USB 480-202924/1

Matrix: Water

Analysis Batch: 202924

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		mg/L			09/17/14 13:15	1

Lab Sample ID: LCS 480-202924/2

Matrix: Water

Analysis Batch: 202924

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	187.9		mg/L		95	85 - 115

Lab Sample ID: USB 480-202973/1

Matrix: Water

Analysis Batch: 202973

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		mg/L			09/17/14 18:19	1

Lab Sample ID: LCS 480-202973/2

Matrix: Water

Analysis Batch: 202973

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	190.3		mg/L		96	85 - 115

Lab Sample ID: USB 480-203029/1

Matrix: Water

Analysis Batch: 203029

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		mg/L			09/18/14 02:56	1

Lab Sample ID: LCS 480-203029/2

Matrix: Water

Analysis Batch: 203029

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	192.9		mg/L		97	85 - 115

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: SM 5310D - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-203360/27

Matrix: Water

Analysis Batch: 203360

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		mg/L			09/18/14 18:08	1

Lab Sample ID: MB 480-203360/3

Matrix: Water

Analysis Batch: 203360

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		mg/L			09/18/14 12:08	1

Lab Sample ID: LCS 480-203360/28

Matrix: Water

Analysis Batch: 203360

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	55.59		mg/L		93	90 - 110

Lab Sample ID: LCS 480-203360/4

Matrix: Water

Analysis Batch: 203360

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	55.57		mg/L		93	90 - 110

Lab Sample ID: 480-67323-4 MS

Matrix: Water

Analysis Batch: 203360

Client Sample ID: MW-6A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	2.2		20.0	19.77		mg/L		88	54 - 131

Lab Sample ID: 480-67323-3 DU

Matrix: Water

Analysis Batch: 203360

Client Sample ID: MW-1B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	ND		ND		mg/L		NC	20

Lab Sample ID: MB 480-203714/19

Matrix: Water

Analysis Batch: 203714

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		mg/L			09/20/14 03:31	1

TestAmerica Buffalo

QC Sample Results

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method: SM 5310D - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 480-203714/20

Matrix: Water

Analysis Batch: 203714

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	56.27		mg/L		94	90 - 110

Lab Sample ID: 480-67407-2 MS

Matrix: Water

Analysis Batch: 203714

Client Sample ID: MW-2A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	5.2		20.0	24.68		mg/L		98	54 - 131

Lab Sample ID: 480-67407-1 DU

Matrix: Water

Analysis Batch: 203714

Client Sample ID: MW-1A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	ND		ND		mg/L		NC	20

Lab Sample ID: 480-67407-8 DU

Matrix: Water

Analysis Batch: 203714

Client Sample ID: MW-7A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	4.3		4.25		mg/L		0.5	20

Lab Sample ID: MB 480-204183/3

Matrix: Water

Analysis Batch: 204183

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		mg/L			09/23/14 17:47	1

Lab Sample ID: LCS 480-204183/4

Matrix: Water

Analysis Batch: 204183

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	57.34		mg/L		96	90 - 110

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

GC/MS VOA

Analysis Batch: 204621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	8260C	
480-67323-2	CD-1RA	Total/NA	Water	8260C	
480-67323-3	MW-1B	Total/NA	Water	8260C	
480-67323-4	MW-6A	Total/NA	Water	8260C	
480-67323-5	MW-6B	Total/NA	Water	8260C	
480-67323-5 MS	MW-6B	Total/NA	Water	8260C	
480-67323-5 MSD	MW-6B	Total/NA	Water	8260C	
480-67323-6	Scale House	Total/NA	Water	8260C	
480-67323-7	Trip Blank	Total/NA	Water	8260C	
LCS 480-204621/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-204621/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 204758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-4	MW-3A	Total/NA	Water	8260C	
480-67407-5	MW-3B	Total/NA	Water	8260C	
480-67407-6	MW-4A	Total/NA	Water	8260C	
480-67407-7	MW-5A	Total/NA	Water	8260C	
480-67407-8	MW-7A	Total/NA	Water	8260C	
480-67407-9	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-204758/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-204758/8	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 204763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	8260C	
480-67407-2	MW-2A	Total/NA	Water	8260C	
480-67407-3	MW-2B	Total/NA	Water	8260C	
LCS 480-204763/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-204763/6	Method Blank	Total/NA	Water	8260C	

HPLC/IC

Analysis Batch: 118865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	300.0	
480-67323-2	CD-1RA	Total/NA	Water	300.0	
480-67323-3	MW-1B	Total/NA	Water	300.0	
480-67323-3 MS	MW-1B	Total/NA	Water	300.0	
480-67323-3 MSD	MW-1B	Total/NA	Water	300.0	
480-67407-1	MW-1A	Total/NA	Water	300.0	
480-67407-3	MW-2B	Total/NA	Water	300.0	
480-67407-5	MW-3B	Total/NA	Water	300.0	
480-67407-6	MW-4A	Total/NA	Water	300.0	
480-67407-7	MW-5A	Total/NA	Water	300.0	
480-67407-8	MW-7A	Total/NA	Water	300.0	
LCS 180-118865/5	Lab Control Sample	Total/NA	Water	300.0	
MB 180-118865/6	Method Blank	Total/NA	Water	300.0	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

HPLC/IC (Continued)

Analysis Batch: 119201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-4	MW-6A	Total/NA	Water	300.0	
480-67323-5	MW-6B	Total/NA	Water	300.0	
480-67323-6	Scale House	Total/NA	Water	300.0	
480-67323-6 MS	Scale House	Total/NA	Water	300.0	
480-67323-6 MSD	Scale House	Total/NA	Water	300.0	
480-67407-2	MW-2A	Total/NA	Water	300.0	
480-67407-4	MW-3A	Total/NA	Water	300.0	
LCS 180-119201/5	Lab Control Sample	Total/NA	Water	300.0	
MB 180-119201/6	Method Blank	Total/NA	Water	300.0	

Metals

Filtration Batch: 202474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Dissolved	Water	FILTRATION	
480-67323-2	CD-1RA	Dissolved	Water	FILTRATION	
480-67323-4	MW-6A	Dissolved	Water	FILTRATION	
LCS 480-202474/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 480-202474/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 202763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	3005A	
480-67323-2	CD-1RA	Total/NA	Water	3005A	
480-67323-3	MW-1B	Total/NA	Water	3005A	
480-67323-4	MW-6A	Total/NA	Water	3005A	
480-67323-5	MW-6B	Total/NA	Water	3005A	
480-67323-6	Scale House	Total/NA	Water	3005A	
LCS 480-202763/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-202763/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 202837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	3005A	
480-67407-2	MW-2A	Total/NA	Water	3005A	
480-67407-3	MW-2B	Total/NA	Water	3005A	
480-67407-4	MW-3A	Total/NA	Water	3005A	
480-67407-5	MW-3B	Total/NA	Water	3005A	
480-67407-6	MW-4A	Total/NA	Water	3005A	
480-67407-7	MW-5A	Total/NA	Water	3005A	
480-67407-8	MW-7A	Total/NA	Water	3005A	
LCS 480-202837/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-202837/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 202909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Dissolved	Water	3005A	202474
480-67323-2	CD-1RA	Dissolved	Water	3005A	202474
480-67323-4	MW-6A	Dissolved	Water	3005A	202474
LCS 480-202474/2-B	Lab Control Sample	Dissolved	Water	3005A	202474

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Metals (Continued)

Prep Batch: 202909 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-202474/1-B	Method Blank	Dissolved	Water	3005A	202474

Analysis Batch: 203001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	6010C	202763
480-67323-2	CD-1RA	Total/NA	Water	6010C	202763
480-67323-3	MW-1B	Total/NA	Water	6010C	202763
480-67323-4	MW-6A	Total/NA	Water	6010C	202763
480-67323-5	MW-6B	Total/NA	Water	6010C	202763
480-67323-6	Scale House	Total/NA	Water	6010C	202763
LCS 480-202763/2-A	Lab Control Sample	Total/NA	Water	6010C	202763
MB 480-202763/1-A	Method Blank	Total/NA	Water	6010C	202763

Prep Batch: 203015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	7470A	
480-67323-2	CD-1RA	Total/NA	Water	7470A	
480-67323-3	MW-1B	Total/NA	Water	7470A	
480-67323-4	MW-6A	Total/NA	Water	7470A	
480-67323-5	MW-6B	Total/NA	Water	7470A	
480-67323-6	Scale House	Total/NA	Water	7470A	
LCS 480-203015/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-203015/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 203017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	7470A	
480-67407-2	MW-2A	Total/NA	Water	7470A	
480-67407-3	MW-2B	Total/NA	Water	7470A	
480-67407-4	MW-3A	Total/NA	Water	7470A	
480-67407-5	MW-3B	Total/NA	Water	7470A	
480-67407-6	MW-4A	Total/NA	Water	7470A	
480-67407-7	MW-5A	Total/NA	Water	7470A	
480-67407-8	MW-7A	Total/NA	Water	7470A	
LCS 480-203017/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-203017/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 203250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	6010C	202837
480-67407-2	MW-2A	Total/NA	Water	6010C	202837
480-67407-3	MW-2B	Total/NA	Water	6010C	202837
480-67407-4	MW-3A	Total/NA	Water	6010C	202837
480-67407-5	MW-3B	Total/NA	Water	6010C	202837
480-67407-6	MW-4A	Total/NA	Water	6010C	202837
480-67407-7	MW-5A	Total/NA	Water	6010C	202837
480-67407-8	MW-7A	Total/NA	Water	6010C	202837
LCS 480-202837/2-A	Lab Control Sample	Total/NA	Water	6010C	202837
MB 480-202837/1-A	Method Blank	Total/NA	Water	6010C	202837

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Metals (Continued)

Analysis Batch: 203265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	7470A	203015
480-67323-2	CD-1RA	Total/NA	Water	7470A	203015
480-67323-3	MW-1B	Total/NA	Water	7470A	203015
480-67323-4	MW-6A	Total/NA	Water	7470A	203015
480-67323-5	MW-6B	Total/NA	Water	7470A	203015
480-67323-6	Scale House	Total/NA	Water	7470A	203015
480-67407-1	MW-1A	Total/NA	Water	7470A	203017
480-67407-2	MW-2A	Total/NA	Water	7470A	203017
480-67407-3	MW-2B	Total/NA	Water	7470A	203017
480-67407-4	MW-3A	Total/NA	Water	7470A	203017
480-67407-5	MW-3B	Total/NA	Water	7470A	203017
480-67407-6	MW-4A	Total/NA	Water	7470A	203017
480-67407-7	MW-5A	Total/NA	Water	7470A	203017
480-67407-8	MW-7A	Total/NA	Water	7470A	203017
LCS 480-203015/2-A	Lab Control Sample	Total/NA	Water	7470A	203015
LCS 480-203017/2-A	Lab Control Sample	Total/NA	Water	7470A	203017
MB 480-203015/1-A	Method Blank	Total/NA	Water	7470A	203015
MB 480-203017/1-A	Method Blank	Total/NA	Water	7470A	203017

Filtration Batch: 203311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Dissolved	Water	FILTRATION	
480-67407-2	MW-2A	Dissolved	Water	FILTRATION	
480-67407-8	MW-7A	Dissolved	Water	FILTRATION	
LCS 480-203311/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 480-203311/1-B	Method Blank	Dissolved	Water	FILTRATION	

Analysis Batch: 203528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	SM 2340B	
480-67323-2	CD-1RA	Total/NA	Water	SM 2340B	
480-67323-3	MW-1B	Total/NA	Water	SM 2340B	
480-67323-4	MW-6A	Total/NA	Water	SM 2340B	
480-67323-5	MW-6B	Total/NA	Water	SM 2340B	
480-67323-6	Scale House	Total/NA	Water	SM 2340B	
480-67407-1	MW-1A	Total/NA	Water	SM 2340B	
480-67407-2	MW-2A	Total/NA	Water	SM 2340B	
480-67407-3	MW-2B	Total/NA	Water	SM 2340B	
480-67407-4	MW-3A	Total/NA	Water	SM 2340B	
480-67407-5	MW-3B	Total/NA	Water	SM 2340B	
480-67407-6	MW-4A	Total/NA	Water	SM 2340B	
480-67407-7	MW-5A	Total/NA	Water	SM 2340B	
480-67407-8	MW-7A	Total/NA	Water	SM 2340B	

Prep Batch: 203595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Dissolved	Water	3005A	203311
480-67407-2	MW-2A	Dissolved	Water	3005A	203311
480-67407-8	MW-7A	Dissolved	Water	3005A	203311
LCS 480-203311/2-B	Lab Control Sample	Dissolved	Water	3005A	203311
MB 480-203311/1-B	Method Blank	Dissolved	Water	3005A	203311

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Metals (Continued)

Analysis Batch: 204162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Dissolved	Water	6010C	203595
480-67407-2	MW-2A	Dissolved	Water	6010C	203595
480-67407-8	MW-7A	Dissolved	Water	6010C	203595
LCS 480-203311/2-B	Lab Control Sample	Dissolved	Water	6010C	203595
MB 480-203311/1-B	Method Blank	Dissolved	Water	6010C	203595

Analysis Batch: 204456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Dissolved	Water	6010C	202909
480-67323-2	CD-1RA	Dissolved	Water	6010C	202909
480-67323-4	MW-6A	Dissolved	Water	6010C	202909
LCS 480-202474/2-B	Lab Control Sample	Dissolved	Water	6010C	202909
MB 480-202474/1-B	Method Blank	Dissolved	Water	6010C	202909

Analysis Batch: 204850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-202474/2-B	Lab Control Sample	Dissolved	Water	6010C	202909
MB 480-202474/1-B	Method Blank	Dissolved	Water	6010C	202909

Analysis Batch: 205127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Dissolved	Water	6010C	203595
480-67407-2	MW-2A	Dissolved	Water	6010C	203595
480-67407-8	MW-7A	Dissolved	Water	6010C	203595
LCS 480-203311/2-B	Lab Control Sample	Dissolved	Water	6010C	203595

Analysis Batch: 205706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-203311/1-B	Method Blank	Dissolved	Water	6010C	203595

Filtration Batch: 205897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-2	CD-1RA	Dissolved	Water	FILTRATION	
480-67323-4	MW-6A	Dissolved	Water	FILTRATION	
480-67407-1	MW-1A	Dissolved	Water	FILTRATION	
LCS 480-205897/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 480-205897/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 206156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-2	CD-1RA	Dissolved	Water	3005A	205897
480-67323-4	MW-6A	Dissolved	Water	3005A	205897
480-67407-1	MW-1A	Dissolved	Water	3005A	205897
LCS 480-205897/2-B	Lab Control Sample	Dissolved	Water	3005A	205897
MB 480-205897/1-B	Method Blank	Dissolved	Water	3005A	205897

Analysis Batch: 206659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-2	CD-1RA	Dissolved	Water	6010C	206156
480-67323-4	MW-6A	Dissolved	Water	6010C	206156
480-67407-1	MW-1A	Dissolved	Water	6010C	206156

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Metals (Continued)

Analysis Batch: 206659 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-205897/2-B	Lab Control Sample	Dissolved	Water	6010C	206156
MB 480-205897/1-B	Method Blank	Dissolved	Water	6010C	206156

General Chemistry

Analysis Batch: 202652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	7196A	
480-67323-2	CD-1RA	Total/NA	Water	7196A	
480-67323-3	MW-1B	Total/NA	Water	7196A	
480-67323-4	MW-6A	Total/NA	Water	7196A	
480-67323-5	MW-6B	Total/NA	Water	7196A	
480-67323-5 MS	MW-6B	Total/NA	Water	7196A	
480-67323-6	Scale House	Total/NA	Water	7196A	
480-67323-6 DU	Scale House	Total/NA	Water	7196A	
LCS 480-202652/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-202652/3	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 202731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-4	MW-6A	Total/NA	Water	SM 5210B	
480-67323-5	MW-6B	Total/NA	Water	SM 5210B	
480-67323-6	Scale House	Total/NA	Water	SM 5210B	
LCS 480-202731/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-202731/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 202739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	SM 2120B	
480-67323-2	CD-1RA	Total/NA	Water	SM 2120B	
480-67323-3	MW-1B	Total/NA	Water	SM 2120B	
480-67323-3 DU	MW-1B	Total/NA	Water	SM 2120B	
480-67323-4	MW-6A	Total/NA	Water	SM 2120B	
480-67323-5	MW-6B	Total/NA	Water	SM 2120B	
480-67323-6	Scale House	Total/NA	Water	SM 2120B	
LCS 480-202739/4	Lab Control Sample	Total/NA	Water	SM 2120B	
MB 480-202739/3	Method Blank	Total/NA	Water	SM 2120B	

Analysis Batch: 202742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	353.2	
480-67323-2	CD-1RA	Total/NA	Water	353.2	
480-67323-3	MW-1B	Total/NA	Water	353.2	
480-67323-4	MW-6A	Total/NA	Water	353.2	
480-67323-5	MW-6B	Total/NA	Water	353.2	
480-67323-6	Scale House	Total/NA	Water	353.2	

Analysis Batch: 202748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	7196A	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 202748 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-2	MW-2A	Total/NA	Water	7196A	
480-67407-3	MW-2B	Total/NA	Water	7196A	
480-67407-4	MW-3A	Total/NA	Water	7196A	
480-67407-5	MW-3B	Total/NA	Water	7196A	
480-67407-5 DU	MW-3B	Total/NA	Water	7196A	
480-67407-6	MW-4A	Total/NA	Water	7196A	
480-67407-6 MS	MW-4A	Total/NA	Water	7196A	
480-67407-7	MW-5A	Total/NA	Water	7196A	
480-67407-8	MW-7A	Total/NA	Water	7196A	
LCS 480-202748/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-202748/3	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 202887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-5	MW-6B	Total/NA	Water	SM 2540C	
480-67323-5 DU	MW-6B	Total/NA	Water	SM 2540C	
480-67323-6	Scale House	Total/NA	Water	SM 2540C	
480-67323-6 DU	Scale House	Total/NA	Water	SM 2540C	
LCS 480-202887/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-202887/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 202888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	SM 2540C	
480-67323-2	CD-1RA	Total/NA	Water	SM 2540C	
480-67323-3	MW-1B	Total/NA	Water	SM 2540C	
480-67323-3 DU	MW-1B	Total/NA	Water	SM 2540C	
480-67323-4	MW-6A	Total/NA	Water	SM 2540C	
LCS 480-202888/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-202888/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 202924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	SM 5210B	
480-67323-2	CD-1RA	Total/NA	Water	SM 5210B	
480-67323-3	MW-1B	Total/NA	Water	SM 5210B	
LCS 480-202924/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-202924/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 202950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-2	CD-1RA	Total/NA	Water	9038	
480-67323-3	MW-1B	Total/NA	Water	9038	
480-67323-3 DU	MW-1B	Total/NA	Water	9038	
480-67323-3 MS	MW-1B	Total/NA	Water	9038	
480-67323-6	Scale House	Total/NA	Water	9038	
LCS 480-202950/105	Lab Control Sample	Total/NA	Water	9038	
LCS 480-202950/71	Lab Control Sample	Total/NA	Water	9038	
MB 480-202950/106	Method Blank	Total/NA	Water	9038	
MB 480-202950/72	Method Blank	Total/NA	Water	9038	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 202956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	350.1	
480-67323-2	CD-1RA	Total/NA	Water	350.1	
480-67323-3	MW-1B	Total/NA	Water	350.1	
480-67323-4	MW-6A	Total/NA	Water	350.1	
480-67323-4 MS	MW-6A	Total/NA	Water	350.1	
480-67323-5	MW-6B	Total/NA	Water	350.1	
480-67323-6	Scale House	Total/NA	Water	350.1	
480-67407-1	MW-1A	Total/NA	Water	350.1	
480-67407-2	MW-2A	Total/NA	Water	350.1	
480-67407-3	MW-2B	Total/NA	Water	350.1	
480-67407-4	MW-3A	Total/NA	Water	350.1	
480-67407-5	MW-3B	Total/NA	Water	350.1	
480-67407-5 MS	MW-3B	Total/NA	Water	350.1	
480-67407-6	MW-4A	Total/NA	Water	350.1	
480-67407-6 DU	MW-4A	Total/NA	Water	350.1	
480-67407-6 MS	MW-4A	Total/NA	Water	350.1	
480-67407-7	MW-5A	Total/NA	Water	350.1	
480-67407-8	MW-7A	Total/NA	Water	350.1	
LCS 480-202956/124	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-202956/193	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-202956/217	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-202956/28	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-202956/4	Lab Control Sample	Total/NA	Water	350.1	
MB 480-202956/123	Method Blank	Total/NA	Water	350.1	
MB 480-202956/192	Method Blank	Total/NA	Water	350.1	
MB 480-202956/216	Method Blank	Total/NA	Water	350.1	
MB 480-202956/27	Method Blank	Total/NA	Water	350.1	
MB 480-202956/3	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 202972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	SM 2120B	
480-67407-1 DU	MW-1A	Total/NA	Water	SM 2120B	
480-67407-2	MW-2A	Total/NA	Water	SM 2120B	
480-67407-3	MW-2B	Total/NA	Water	SM 2120B	
480-67407-4	MW-3A	Total/NA	Water	SM 2120B	
480-67407-5	MW-3B	Total/NA	Water	SM 2120B	
480-67407-6	MW-4A	Total/NA	Water	SM 2120B	
480-67407-7	MW-5A	Total/NA	Water	SM 2120B	
480-67407-7 DU	MW-5A	Total/NA	Water	SM 2120B	
480-67407-8	MW-7A	Total/NA	Water	SM 2120B	
LCS 480-202972/28	Lab Control Sample	Total/NA	Water	SM 2120B	
LCS 480-202972/4	Lab Control Sample	Total/NA	Water	SM 2120B	
MB 480-202972/27	Method Blank	Total/NA	Water	SM 2120B	
MB 480-202972/3	Method Blank	Total/NA	Water	SM 2120B	

Analysis Batch: 202973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	SM 5210B	
480-67407-2	MW-2A	Total/NA	Water	SM 5210B	
480-67407-4	MW-3A	Total/NA	Water	SM 5210B	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 202973 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-5	MW-3B	Total/NA	Water	SM 5210B	
480-67407-6	MW-4A	Total/NA	Water	SM 5210B	
480-67407-7	MW-5A	Total/NA	Water	SM 5210B	
LCS 480-202973/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-202973/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 202988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	353.2	
480-67407-2	MW-2A	Total/NA	Water	353.2	
480-67407-3	MW-2B	Total/NA	Water	353.2	
480-67407-4	MW-3A	Total/NA	Water	353.2	
480-67407-5	MW-3B	Total/NA	Water	353.2	
480-67407-6	MW-4A	Total/NA	Water	353.2	
480-67407-7	MW-5A	Total/NA	Water	353.2	
480-67407-8	MW-7A	Total/NA	Water	353.2	

Analysis Batch: 202998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-3	MW-1B	Total/NA	Water	310.2	
480-67323-4	MW-6A	Total/NA	Water	310.2	
480-67323-6	Scale House	Total/NA	Water	310.2	
LCS 480-202998/114	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-202998/23	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-202998/8	Lab Control Sample	Total/NA	Water	310.2	
MB 480-202998/115	Method Blank	Total/NA	Water	310.2	
MB 480-202998/24	Method Blank	Total/NA	Water	310.2	
MB 480-202998/9	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 202999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-5	MW-6B	Total/NA	Water	SM 4500 CI- E	
480-67323-6	Scale House	Total/NA	Water	SM 4500 CI- E	
LCS 480-202999/20	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
LCS 480-202999/83	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
MB 480-202999/21	Method Blank	Total/NA	Water	SM 4500 CI- E	
MB 480-202999/84	Method Blank	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 203029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-3	MW-2B	Total/NA	Water	SM 5210B	
480-67407-8	MW-7A	Total/NA	Water	SM 5210B	
LCS 480-203029/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-203029/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 203110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	SM 2540C	
480-67407-1 DU	MW-1A	Total/NA	Water	SM 2540C	
480-67407-2	MW-2A	Total/NA	Water	SM 2540C	
480-67407-3	MW-2B	Total/NA	Water	SM 2540C	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 203110 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-4	MW-3A	Total/NA	Water	SM 2540C	
480-67407-5	MW-3B	Total/NA	Water	SM 2540C	
480-67407-6	MW-4A	Total/NA	Water	SM 2540C	
LCS 480-203110/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-203110/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 203164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-7	MW-5A	Total/NA	Water	SM 2540C	
480-67407-7 DU	MW-5A	Total/NA	Water	SM 2540C	
480-67407-8	MW-7A	Total/NA	Water	SM 2540C	
480-67407-8 DU	MW-7A	Total/NA	Water	SM 2540C	
LCS 480-203164/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-203164/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 203179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	9038	
480-67407-2	MW-2A	Total/NA	Water	9038	
480-67407-3	MW-2B	Total/NA	Water	9038	
480-67407-4	MW-3A	Total/NA	Water	9038	
480-67407-8	MW-7A	Total/NA	Water	9038	
LCS 480-203179/11	Lab Control Sample	Total/NA	Water	9038	
LCS 480-203179/59	Lab Control Sample	Total/NA	Water	9038	
MB 480-203179/12	Method Blank	Total/NA	Water	9038	
MB 480-203179/60	Method Blank	Total/NA	Water	9038	

Analysis Batch: 203360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	SM 5310D	
480-67323-3	MW-1B	Total/NA	Water	SM 5310D	
480-67323-3 DU	MW-1B	Total/NA	Water	SM 5310D	
480-67323-4	MW-6A	Total/NA	Water	SM 5310D	
480-67323-4 MS	MW-6A	Total/NA	Water	SM 5310D	
480-67323-5	MW-6B	Total/NA	Water	SM 5310D	
480-67323-6	Scale House	Total/NA	Water	SM 5310D	
LCS 480-203360/28	Lab Control Sample	Total/NA	Water	SM 5310D	
LCS 480-203360/4	Lab Control Sample	Total/NA	Water	SM 5310D	
MB 480-203360/27	Method Blank	Total/NA	Water	SM 5310D	
MB 480-203360/3	Method Blank	Total/NA	Water	SM 5310D	

Analysis Batch: 203382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-4	MW-6A	Total/NA	Water	9038	
480-67323-5	MW-6B	Total/NA	Water	9038	
480-67407-1	MW-1A	Total/NA	Water	9038	
480-67407-1 DU	MW-1A	Total/NA	Water	9038	
480-67407-1 MS	MW-1A	Total/NA	Water	9038	
LCS 480-203382/11	Lab Control Sample	Total/NA	Water	9038	
LCS 480-203382/19	Lab Control Sample	Total/NA	Water	9038	
MB 480-203382/12	Method Blank	Total/NA	Water	9038	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 203382 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-203382/20	Method Blank	Total/NA	Water	9038	

Analysis Batch: 203712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-5	MW-3B	Total/NA	Water	9038	
480-67407-5 DU	MW-3B	Total/NA	Water	9038	
480-67407-5 MS	MW-3B	Total/NA	Water	9038	
480-67407-6	MW-4A	Total/NA	Water	9038	
480-67407-7	MW-5A	Total/NA	Water	9038	
LCS 480-203712/11	Lab Control Sample	Total/NA	Water	9038	
MB 480-203712/12	Method Blank	Total/NA	Water	9038	

Analysis Batch: 203714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	SM 5310D	
480-67407-1 DU	MW-1A	Total/NA	Water	SM 5310D	
480-67407-2	MW-2A	Total/NA	Water	SM 5310D	
480-67407-2 MS	MW-2A	Total/NA	Water	SM 5310D	
480-67407-3	MW-2B	Total/NA	Water	SM 5310D	
480-67407-4	MW-3A	Total/NA	Water	SM 5310D	
480-67407-5	MW-3B	Total/NA	Water	SM 5310D	
480-67407-6	MW-4A	Total/NA	Water	SM 5310D	
480-67407-7	MW-5A	Total/NA	Water	SM 5310D	
480-67407-8	MW-7A	Total/NA	Water	SM 5310D	
480-67407-8 DU	MW-7A	Total/NA	Water	SM 5310D	
LCS 480-203714/20	Lab Control Sample	Total/NA	Water	SM 5310D	
MB 480-203714/19	Method Blank	Total/NA	Water	SM 5310D	

Prep Batch: 203769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	SM 4500 CN C	
480-67323-2	CD-1RA	Total/NA	Water	SM 4500 CN C	
480-67323-3	MW-1B	Total/NA	Water	SM 4500 CN C	
480-67323-4	MW-6A	Total/NA	Water	SM 4500 CN C	
480-67323-4 DU	MW-6A	Total/NA	Water	SM 4500 CN C	
480-67323-5	MW-6B	Total/NA	Water	SM 4500 CN C	
480-67323-6	Scale House	Total/NA	Water	SM 4500 CN C	
480-67323-6 MS	Scale House	Total/NA	Water	SM 4500 CN C	
LCS 480-203769/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
MB 480-203769/1-A	Method Blank	Total/NA	Water	SM 4500 CN C	

Prep Batch: 203955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-6	MW-4A	Total/NA	Water	351.2	
LCS 480-203955/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-203955/1-A	Method Blank	Total/NA	Water	351.2	

Prep Batch: 203966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	SM 4500 CN C	
480-67407-2	MW-2A	Total/NA	Water	SM 4500 CN C	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Prep Batch: 203966 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-5	MW-3B	Total/NA	Water	SM 4500 CN C	
480-67407-6	MW-4A	Total/NA	Water	SM 4500 CN C	
480-67407-7	MW-5A	Total/NA	Water	SM 4500 CN C	
480-67407-8	MW-7A	Total/NA	Water	SM 4500 CN C	
480-67407-8 MS	MW-7A	Total/NA	Water	SM 4500 CN C	
LCS 480-203966/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
MB 480-203966/1-A	Method Blank	Total/NA	Water	SM 4500 CN C	

Analysis Batch: 203989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	SM 4500 CN E	203769
480-67323-2	CD-1RA	Total/NA	Water	SM 4500 CN E	203769
480-67323-3	MW-1B	Total/NA	Water	SM 4500 CN E	203769
480-67323-4	MW-6A	Total/NA	Water	SM 4500 CN E	203769
480-67323-4 DU	MW-6A	Total/NA	Water	SM 4500 CN E	203769
480-67323-5	MW-6B	Total/NA	Water	SM 4500 CN E	203769
480-67323-6	Scale House	Total/NA	Water	SM 4500 CN E	203769
480-67323-6 MS	Scale House	Total/NA	Water	SM 4500 CN E	203769
LCS 480-203769/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	203769
MB 480-203769/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	203769

Analysis Batch: 204009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-2	CD-1RA	Total/NA	Water	410.4	
480-67323-2 DU	CD-1RA	Total/NA	Water	410.4	
480-67323-3	MW-1B	Total/NA	Water	410.4	
480-67323-4	MW-6A	Total/NA	Water	410.4	
480-67323-5	MW-6B	Total/NA	Water	410.4	
LCS 480-204009/52	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-204009/76	Lab Control Sample	Total/NA	Water	410.4	
MB 480-204009/51	Method Blank	Total/NA	Water	410.4	
MB 480-204009/75	Method Blank	Total/NA	Water	410.4	

Prep Batch: 204091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-3	MW-2B	Total/NA	Water	SM 4500 CN C	
480-67407-4	MW-3A	Total/NA	Water	SM 4500 CN C	
480-67407-4 MS	MW-3A	Total/NA	Water	SM 4500 CN C	
LCS 480-204091/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
MB 480-204091/1-A	Method Blank	Total/NA	Water	SM 4500 CN C	

Analysis Batch: 204118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-6	MW-4A	Total/NA	Water	351.2	203955
LCS 480-203955/2-A	Lab Control Sample	Total/NA	Water	351.2	203955
MB 480-203955/1-A	Method Blank	Total/NA	Water	351.2	203955

Analysis Batch: 204131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	410.4	
480-67323-6	Scale House	Total/NA	Water	410.4	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 204131 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-204131/28	Lab Control Sample	Total/NA	Water	410.4	
MB 480-204131/27	Method Blank	Total/NA	Water	410.4	

Analysis Batch: 204132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	410.4	
480-67407-2	MW-2A	Total/NA	Water	410.4	
480-67407-5	MW-3B	Total/NA	Water	410.4	
480-67407-8	MW-7A	Total/NA	Water	410.4	
LCS 480-204132/28	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-204132/4	Lab Control Sample	Total/NA	Water	410.4	
MB 480-204132/27	Method Blank	Total/NA	Water	410.4	
MB 480-204132/3	Method Blank	Total/NA	Water	410.4	

Prep Batch: 204159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-2	MW-2A	Total/NA	Water	Distill/Phenol	
480-67407-3	MW-2B	Total/NA	Water	Distill/Phenol	
480-67407-4	MW-3A	Total/NA	Water	Distill/Phenol	
480-67407-5	MW-3B	Total/NA	Water	Distill/Phenol	
480-67407-6	MW-4A	Total/NA	Water	Distill/Phenol	
480-67407-7	MW-5A	Total/NA	Water	Distill/Phenol	
480-67407-8	MW-7A	Total/NA	Water	Distill/Phenol	
480-67407-8 MS	MW-7A	Total/NA	Water	Distill/Phenol	
LCS 480-204159/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-204159/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 204183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-2	CD-1RA	Total/NA	Water	SM 5310D	
LCS 480-204183/4	Lab Control Sample	Total/NA	Water	SM 5310D	
MB 480-204183/3	Method Blank	Total/NA	Water	SM 5310D	

Analysis Batch: 204222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	SM 4500 CN E	203966
480-67407-2	MW-2A	Total/NA	Water	SM 4500 CN E	203966
480-67407-3	MW-2B	Total/NA	Water	SM 4500 CN E	204091
480-67407-4	MW-3A	Total/NA	Water	SM 4500 CN E	204091
480-67407-4 MS	MW-3A	Total/NA	Water	SM 4500 CN E	204091
480-67407-5	MW-3B	Total/NA	Water	SM 4500 CN E	203966
480-67407-6	MW-4A	Total/NA	Water	SM 4500 CN E	203966
480-67407-7	MW-5A	Total/NA	Water	SM 4500 CN E	203966
480-67407-8	MW-7A	Total/NA	Water	SM 4500 CN E	203966
480-67407-8 MS	MW-7A	Total/NA	Water	SM 4500 CN E	203966
LCS 480-203966/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	203966
LCS 480-204091/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	204091
MB 480-203966/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	203966
MB 480-204091/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	204091

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Prep Batch: 204254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	351.2	
480-67323-2	CD-1RA	Total/NA	Water	351.2	
480-67323-3	MW-1B	Total/NA	Water	351.2	
480-67323-4	MW-6A	Total/NA	Water	351.2	
480-67323-5	MW-6B	Total/NA	Water	351.2	
480-67323-6	Scale House	Total/NA	Water	351.2	
480-67323-6 MS	Scale House	Total/NA	Water	351.2	
LCS 480-204254/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-204254/1-A	Method Blank	Total/NA	Water	351.2	

Prep Batch: 204255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	351.2	
480-67407-2	MW-2A	Total/NA	Water	351.2	
480-67407-3	MW-2B	Total/NA	Water	351.2	
480-67407-4	MW-3A	Total/NA	Water	351.2	
480-67407-5	MW-3B	Total/NA	Water	351.2	
480-67407-7	MW-5A	Total/NA	Water	351.2	
480-67407-8	MW-7A	Total/NA	Water	351.2	
LCS 480-204255/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-204255/1-A	Method Blank	Total/NA	Water	351.2	

Analysis Batch: 204372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	351.2	204254
480-67323-2	CD-1RA	Total/NA	Water	351.2	204254
480-67323-3	MW-1B	Total/NA	Water	351.2	204254
480-67323-4	MW-6A	Total/NA	Water	351.2	204254
480-67323-5	MW-6B	Total/NA	Water	351.2	204254
480-67323-6	Scale House	Total/NA	Water	351.2	204254
480-67323-6 MS	Scale House	Total/NA	Water	351.2	204254
480-67407-1	MW-1A	Total/NA	Water	351.2	204255
480-67407-2	MW-2A	Total/NA	Water	351.2	204255
480-67407-3	MW-2B	Total/NA	Water	351.2	204255
480-67407-4	MW-3A	Total/NA	Water	351.2	204255
480-67407-5	MW-3B	Total/NA	Water	351.2	204255
480-67407-7	MW-5A	Total/NA	Water	351.2	204255
480-67407-8	MW-7A	Total/NA	Water	351.2	204255
LCS 480-204254/2-A	Lab Control Sample	Total/NA	Water	351.2	204254
LCS 480-204255/2-A	Lab Control Sample	Total/NA	Water	351.2	204255
MB 480-204254/1-A	Method Blank	Total/NA	Water	351.2	204254
MB 480-204255/1-A	Method Blank	Total/NA	Water	351.2	204255

Analysis Batch: 204428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-5	MW-3B	Total/NA	Water	310.2	
480-67407-5 MS	MW-3B	Total/NA	Water	310.2	
480-67407-5 MSD	MW-3B	Total/NA	Water	310.2	
LCS 480-204428/45	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-204428/56	Lab Control Sample	Total/NA	Water	310.2	
MB 480-204428/46	Method Blank	Total/NA	Water	310.2	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 204428 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-204428/57	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 204429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	SM 4500 Cl- E	
480-67407-1 MS	MW-1A	Total/NA	Water	SM 4500 Cl- E	
480-67407-1 MSD	MW-1A	Total/NA	Water	SM 4500 Cl- E	
480-67407-5	MW-3B	Total/NA	Water	SM 4500 Cl- E	
480-67407-5 MS	MW-3B	Total/NA	Water	SM 4500 Cl- E	
480-67407-5 MSD	MW-3B	Total/NA	Water	SM 4500 Cl- E	
LCS 480-204429/58	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 480-204429/91	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 480-204429/59	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 480-204429/92	Method Blank	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 204436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-2	MW-2A	Total/NA	Water	420.4	204159
480-67407-3	MW-2B	Total/NA	Water	420.4	204159
480-67407-4	MW-3A	Total/NA	Water	420.4	204159
480-67407-5	MW-3B	Total/NA	Water	420.4	204159
480-67407-6	MW-4A	Total/NA	Water	420.4	204159
480-67407-7	MW-5A	Total/NA	Water	420.4	204159
480-67407-8	MW-7A	Total/NA	Water	420.4	204159
480-67407-8 MS	MW-7A	Total/NA	Water	420.4	204159
LCS 480-204159/2-A	Lab Control Sample	Total/NA	Water	420.4	204159
MB 480-204159/1-A	Method Blank	Total/NA	Water	420.4	204159

Prep Batch: 204464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	Distill/Phenol	
480-67323-2	CD-1RA	Total/NA	Water	Distill/Phenol	
480-67323-3	MW-1B	Total/NA	Water	Distill/Phenol	
480-67323-4	MW-6A	Total/NA	Water	Distill/Phenol	
480-67323-5	MW-6B	Total/NA	Water	Distill/Phenol	
480-67323-6	Scale House	Total/NA	Water	Distill/Phenol	
480-67323-6 MS	Scale House	Total/NA	Water	Distill/Phenol	
LCS 480-204464/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-204464/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 204501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-3	MW-2B	Total/NA	Water	410.4	
480-67407-4	MW-3A	Total/NA	Water	410.4	
480-67407-6	MW-4A	Total/NA	Water	410.4	
480-67407-7	MW-5A	Total/NA	Water	410.4	
LCS 480-204501/28	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-204501/4	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-204501/52	Lab Control Sample	Total/NA	Water	410.4	
MB 480-204501/27	Method Blank	Total/NA	Water	410.4	
MB 480-204501/3	Method Blank	Total/NA	Water	410.4	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 204501 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-204501/51	Method Blank	Total/NA	Water	410.4	

Analysis Batch: 204648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	420.4	204464
480-67323-2	CD-1RA	Total/NA	Water	420.4	204464
480-67323-3	MW-1B	Total/NA	Water	420.4	204464
480-67323-4	MW-6A	Total/NA	Water	420.4	204464
480-67323-5	MW-6B	Total/NA	Water	420.4	204464
480-67323-6	Scale House	Total/NA	Water	420.4	204464
480-67323-6 MS	Scale House	Total/NA	Water	420.4	204464
LCS 480-204464/2-A	Lab Control Sample	Total/NA	Water	420.4	204464
MB 480-204464/1-A	Method Blank	Total/NA	Water	420.4	204464

Analysis Batch: 204789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	310.2	
480-67323-2	CD-1RA	Total/NA	Water	310.2	
480-67323-5	MW-6B	Total/NA	Water	310.2	
480-67323-5 DU	MW-6B	Total/NA	Water	310.2	
480-67323-5 MS	MW-6B	Total/NA	Water	310.2	
LCS 480-204789/105	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-204789/23	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-204789/36	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-204789/46	Lab Control Sample	Total/NA	Water	310.2	
MB 480-204789/106	Method Blank	Total/NA	Water	310.2	
MB 480-204789/24	Method Blank	Total/NA	Water	310.2	
MB 480-204789/37	Method Blank	Total/NA	Water	310.2	
MB 480-204789/47	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 204790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	SM 4500 Cl- E	
480-67323-2	CD-1RA	Total/NA	Water	SM 4500 Cl- E	
LCS 480-204790/24	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 480-204790/73	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 480-204790/25	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 480-204790/74	Method Blank	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 205206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-2	MW-2A	Total/NA	Water	SM 4500 Cl- E	
480-67407-4	MW-3A	Total/NA	Water	SM 4500 Cl- E	
480-67407-6	MW-4A	Total/NA	Water	SM 4500 Cl- E	
480-67407-6 MS	MW-4A	Total/NA	Water	SM 4500 Cl- E	
480-67407-6 MSD	MW-4A	Total/NA	Water	SM 4500 Cl- E	
480-67407-7	MW-5A	Total/NA	Water	SM 4500 Cl- E	
LCS 480-205206/16	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 480-205206/17	Method Blank	Total/NA	Water	SM 4500 Cl- E	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 205207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-2	MW-2A	Total/NA	Water	310.2	
480-67407-2 MS	MW-2A	Total/NA	Water	310.2	
480-67407-2 MSD	MW-2A	Total/NA	Water	310.2	
480-67407-3	MW-2B	Total/NA	Water	310.2	
480-67407-4	MW-3A	Total/NA	Water	310.2	
480-67407-6	MW-4A	Total/NA	Water	310.2	
480-67407-6 MS	MW-4A	Total/NA	Water	310.2	
480-67407-6 MSD	MW-4A	Total/NA	Water	310.2	
480-67407-7	MW-5A	Total/NA	Water	310.2	
480-67407-8	MW-7A	Total/NA	Water	310.2	
LCS 480-205207/16	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-205207/26	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-205207/70	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-205207/75	Lab Control Sample	Total/NA	Water	310.2	
MB 480-205207/17	Method Blank	Total/NA	Water	310.2	
MB 480-205207/27	Method Blank	Total/NA	Water	310.2	
MB 480-205207/71	Method Blank	Total/NA	Water	310.2	
MB 480-205207/76	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 205320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	310.2	
LCS 480-205320/101	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-205320/55	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-205320/68	Lab Control Sample	Total/NA	Water	310.2	
MB 480-205320/102	Method Blank	Total/NA	Water	310.2	
MB 480-205320/56	Method Blank	Total/NA	Water	310.2	
MB 480-205320/69	Method Blank	Total/NA	Water	310.2	

Prep Batch: 205986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	Distill/Phenol	
LCS 480-205986/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-205986/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 206073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67407-1	MW-1A	Total/NA	Water	420.4	205986
LCS 480-205986/2-A	Lab Control Sample	Total/NA	Water	420.4	205986
MB 480-205986/1-A	Method Blank	Total/NA	Water	420.4	205986

Analysis Batch: 206423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-3	MW-1B	Total/NA	Water	SM 4500 Cl- E	
480-67323-4	MW-6A	Total/NA	Water	SM 4500 Cl- E	
480-67407-3	MW-2B	Total/NA	Water	SM 4500 Cl- E	
480-67407-8	MW-7A	Total/NA	Water	SM 4500 Cl- E	
LCS 480-206423/110	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 480-206423/12	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 480-206423/125	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 480-206423/22	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

TestAmerica Buffalo

QC Association Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

General Chemistry (Continued)

Analysis Batch: 206423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-206423/68	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 480-206423/111	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 480-206423/126	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 480-206423/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 480-206423/23	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 480-206423/69	Method Blank	Total/NA	Water	SM 4500 Cl- E	

Field Service / Mobile Lab

Analysis Batch: 204965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67323-1	CD-1	Total/NA	Water	Field Sampling	
480-67323-2	CD-1RA	Total/NA	Water	Field Sampling	
480-67323-3	MW-1B	Total/NA	Water	Field Sampling	
480-67323-4	MW-6A	Total/NA	Water	Field Sampling	
480-67323-5	MW-6B	Total/NA	Water	Field Sampling	
480-67323-6	Scale House	Total/NA	Water	Field Sampling	
480-67407-1	MW-1A	Total/NA	Water	Field Sampling	
480-67407-2	MW-2A	Total/NA	Water	Field Sampling	
480-67407-3	MW-2B	Total/NA	Water	Field Sampling	
480-67407-4	MW-3A	Total/NA	Water	Field Sampling	
480-67407-5	MW-3B	Total/NA	Water	Field Sampling	
480-67407-6	MW-4A	Total/NA	Water	Field Sampling	
480-67407-7	MW-5A	Total/NA	Water	Field Sampling	
480-67407-8	MW-7A	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1

Date Collected: 09/15/14 15:00

Date Received: 09/16/14 02:00

Lab Sample ID: 480-67323-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204621	09/26/14 19:05	LCH	TAL BUF
Total/NA	Analysis	300.0		1	118865	09/22/14 17:45	MJH	TAL PIT
Dissolved	Filtration	FILTRATION			202474	09/16/14 11:03	SLB	TAL BUF
Dissolved	Prep	3005A			202909	09/17/14 08:05	SLB	TAL BUF
Dissolved	Analysis	6010C		1	204456	09/18/14 17:10	LMH	TAL BUF
Total/NA	Prep	3005A			202763	09/17/14 08:27	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203001	09/17/14 19:48	AMH	TAL BUF
Total/NA	Prep	7470A			203015	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/18/14 14:43	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:31	LMH	TAL BUF
Total/NA	Analysis	310.2		5	204789	09/26/14 12:30	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 16:11	RS	TAL BUF
Total/NA	Prep	351.2			204254	09/25/14 06:19	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 11:36	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202742	09/17/14 00:18	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204131	09/24/14 09:38	KMF	TAL BUF
Total/NA	Prep	Distill/Phenol			204464	09/25/14 08:54	RP	TAL BUF
Total/NA	Analysis	420.4		1	204648	09/26/14 13:07	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202652	09/16/14 13:23	NCH	TAL BUF
Total/NA	Analysis	9038		1	203179	09/18/14 10:11	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202739	09/16/14 23:40	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	202888	09/17/14 15:31	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	204790	09/26/14 13:24	RMB	TAL BUF
Total/NA	Prep	SM 4500 CN C			203769	09/22/14 21:50	JMB	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	203989	09/23/14 19:23	RS	TAL BUF
Total/NA	Analysis	SM 5210B		1	202924	09/17/14 13:15	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	203360	09/18/14 17:23	MRF	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/15/14 15:00	FLD	TAL BUF

Client Sample ID: CD-1RA

Date Collected: 09/15/14 15:45

Date Received: 09/16/14 02:00

Lab Sample ID: 480-67323-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204621	09/26/14 19:30	LCH	TAL BUF
Total/NA	Analysis	300.0		1	118865	09/22/14 18:01	MJH	TAL PIT
Dissolved	Filtration	FILTRATION			202474	09/16/14 11:03	SLB	TAL BUF
Dissolved	Prep	3005A			202909	09/17/14 08:05	SLB	TAL BUF
Dissolved	Analysis	6010C		1	204456	09/18/14 17:13	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			205897	10/03/14 09:28	SLB	TAL BUF
Dissolved	Prep	3005A			206156	10/06/14 13:03	SLB	TAL BUF
Dissolved	Analysis	6010C		1	206659	10/08/14 12:40	LMH	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: CD-1RA

Lab Sample ID: 480-67323-2

Date Collected: 09/15/14 15:45

Matrix: Water

Date Received: 09/16/14 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			202763	09/17/14 08:27	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203001	09/17/14 19:50	AMH	TAL BUF
Total/NA	Prep	7470A			203015	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/18/14 14:45	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:31	LMH	TAL BUF
Total/NA	Analysis	310.2		2	204789	09/27/14 10:22	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 16:12	RS	TAL BUF
Total/NA	Prep	351.2			204254	09/25/14 06:19	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 11:36	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202742	09/16/14 21:46	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204009	09/23/14 20:50	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			204464	09/25/14 08:54	RP	TAL BUF
Total/NA	Analysis	420.4		1	204648	09/26/14 13:07	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202652	09/16/14 13:23	NCH	TAL BUF
Total/NA	Analysis	9038		1	202950	09/17/14 13:20	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202739	09/16/14 23:40	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	202888	09/17/14 15:32	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	204790	09/26/14 13:24	RMB	TAL BUF
Total/NA	Prep	SM 4500 CN C			203769	09/22/14 21:50	JMB	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	203989	09/23/14 19:25	RS	TAL BUF
Total/NA	Analysis	SM 5210B		1	202924	09/17/14 13:15	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	204183	09/23/14 21:47	NCH	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/15/14 15:45	FLD	TAL BUF

Client Sample ID: MW-1B

Lab Sample ID: 480-67323-3

Date Collected: 09/15/14 16:15

Matrix: Water

Date Received: 09/16/14 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204621	09/26/14 19:55	LCH	TAL BUF
Total/NA	Analysis	300.0		1	118865	09/22/14 18:17	MJH	TAL PIT
Total/NA	Prep	3005A			202763	09/17/14 08:27	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203001	09/17/14 19:53	AMH	TAL BUF
Total/NA	Prep	7470A			203015	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/18/14 14:47	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:31	LMH	TAL BUF
Total/NA	Analysis	310.2		1	202998	09/17/14 23:49	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 16:13	RS	TAL BUF
Total/NA	Prep	351.2			204254	09/25/14 06:19	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 11:36	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202742	09/16/14 21:47	JMB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1B

Lab Sample ID: 480-67323-3

Date Collected: 09/15/14 16:15

Matrix: Water

Date Received: 09/16/14 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	410.4		1	204009	09/23/14 20:50	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			204464	09/25/14 08:54	RP	TAL BUF
Total/NA	Analysis	420.4		1	204648	09/26/14 13:07	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202652	09/16/14 13:23	NCH	TAL BUF
Total/NA	Analysis	9038		1	202950	09/17/14 13:20	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202739	09/16/14 23:40	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	202888	09/17/14 15:34	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	206423	10/07/14 10:14	NCH	TAL BUF
Total/NA	Prep	SM 4500 CN C			203769	09/22/14 21:50	JMB	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	203989	09/23/14 19:26	RS	TAL BUF
Total/NA	Analysis	SM 5210B		1	202924	09/17/14 13:15	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	203360	09/18/14 18:53	MRF	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/15/14 16:15	FLD	TAL BUF

Client Sample ID: MW-6A

Lab Sample ID: 480-67323-4

Date Collected: 09/15/14 13:25

Matrix: Water

Date Received: 09/16/14 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204621	09/26/14 20:21	LCH	TAL BUF
Total/NA	Analysis	300.0		1	119201	09/24/14 18:05	MJH	TAL PIT
Dissolved	Filtration	FILTRATION			202474	09/16/14 11:03	SLB	TAL BUF
Dissolved	Prep	3005A			202909	09/17/14 08:05	SLB	TAL BUF
Dissolved	Analysis	6010C		1	204456	09/18/14 17:15	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			205897	10/03/14 09:28	SLB	TAL BUF
Dissolved	Prep	3005A			206156	10/06/14 13:03	SLB	TAL BUF
Dissolved	Analysis	6010C		1	206659	10/08/14 12:43	LMH	TAL BUF
Total/NA	Prep	3005A			202763	09/17/14 08:27	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203001	09/17/14 19:56	AMH	TAL BUF
Total/NA	Prep	7470A			203015	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/18/14 14:52	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:31	LMH	TAL BUF
Total/NA	Analysis	310.2		5	202998	09/18/14 04:22	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 16:14	RS	TAL BUF
Total/NA	Prep	351.2			204254	09/25/14 06:19	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 11:36	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202742	09/16/14 21:49	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204009	09/23/14 20:50	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			204464	09/25/14 08:54	RP	TAL BUF
Total/NA	Analysis	420.4		1	204648	09/26/14 13:07	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202652	09/16/14 13:23	NCH	TAL BUF
Total/NA	Analysis	9038		1	203382	09/19/14 11:17	MRF	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-6A

Lab Sample ID: 480-67323-4

Date Collected: 09/15/14 13:25

Matrix: Water

Date Received: 09/16/14 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2120B		1	202739	09/16/14 23:40	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	202888	09/17/14 15:37	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	206423	10/07/14 10:14	NCH	TAL BUF
Total/NA	Prep	SM 4500 CN C			203769	09/22/14 21:50	JMB	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	203989	09/23/14 19:28	RS	TAL BUF
Total/NA	Analysis	SM 5210B		1	202731	09/16/14 18:13	CLT	TAL BUF
Total/NA	Analysis	SM 5310D		1	203360	09/18/14 19:24	MRF	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/15/14 13:25	FLD	TAL BUF

Client Sample ID: MW-6B

Lab Sample ID: 480-67323-5

Date Collected: 09/15/14 13:45

Matrix: Water

Date Received: 09/16/14 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204621	09/26/14 20:45	LCH	TAL BUF
Total/NA	Analysis	300.0		1	119201	09/24/14 18:21	MJH	TAL PIT
Total/NA	Prep	3005A			202763	09/17/14 08:27	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203001	09/17/14 19:59	AMH	TAL BUF
Total/NA	Prep	7470A			203015	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/18/14 14:53	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:31	LMH	TAL BUF
Total/NA	Analysis	310.2		5	204789	09/26/14 12:21	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 16:17	RS	TAL BUF
Total/NA	Prep	351.2			204254	09/25/14 06:19	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 11:36	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202742	09/16/14 21:50	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204009	09/23/14 20:50	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			204464	09/25/14 08:54	RP	TAL BUF
Total/NA	Analysis	420.4		1	204648	09/26/14 13:07	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202652	09/16/14 13:23	NCH	TAL BUF
Total/NA	Analysis	9038		1	203382	09/19/14 11:17	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202739	09/16/14 23:40	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	202887	09/17/14 14:18	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	202999	09/17/14 23:51	RMB	TAL BUF
Total/NA	Prep	SM 4500 CN C			203769	09/22/14 21:50	JMB	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	203989	09/23/14 19:31	RS	TAL BUF
Total/NA	Analysis	SM 5210B		1	202731	09/16/14 18:13	CLT	TAL BUF
Total/NA	Analysis	SM 5310D		1	203360	09/18/14 19:54	MRF	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/15/14 13:45	FLD	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: Scale House

Lab Sample ID: 480-67323-6

Date Collected: 09/15/14 14:25

Matrix: Water

Date Received: 09/16/14 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204621	09/26/14 21:11	LCH	TAL BUF
Total/NA	Analysis	300.0		1	119201	09/24/14 19:43	MJH	TAL PIT
Total/NA	Prep	3005A			202763	09/17/14 08:27	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203001	09/17/14 20:01	AMH	TAL BUF
Total/NA	Prep	7470A			203015	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/18/14 14:55	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:31	LMH	TAL BUF
Total/NA	Analysis	310.2		2	202998	09/18/14 04:22	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 16:18	RS	TAL BUF
Total/NA	Prep	351.2			204254	09/25/14 06:19	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 11:36	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202742	09/17/14 00:19	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204131	09/24/14 09:38	KMF	TAL BUF
Total/NA	Prep	Distill/Phenol			204464	09/25/14 08:54	RP	TAL BUF
Total/NA	Analysis	420.4		1	204648	09/26/14 13:07	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202652	09/16/14 13:23	NCH	TAL BUF
Total/NA	Analysis	9038		1	202950	09/17/14 14:50	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202739	09/16/14 23:40	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	202887	09/17/14 14:48	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 CI- E		1	202999	09/18/14 01:53	RMB	TAL BUF
Total/NA	Prep	SM 4500 CN C			203769	09/22/14 21:50	JMB	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	203989	09/23/14 19:32	RS	TAL BUF
Total/NA	Analysis	SM 5210B		1	202731	09/16/14 18:13	CLT	TAL BUF
Total/NA	Analysis	SM 5310D		1	203360	09/18/14 20:09	MRF	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/15/14 14:25	FLD	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-67323-7

Date Collected: 09/15/14 00:00

Matrix: Water

Date Received: 09/16/14 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204621	09/26/14 21:36	LCH	TAL BUF

Client Sample ID: MW-1A

Lab Sample ID: 480-67407-1

Date Collected: 09/16/14 08:45

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204763	09/27/14 15:21	NMD1	TAL BUF
Total/NA	Analysis	300.0		1	118865	09/22/14 17:28	MJH	TAL PIT
Dissolved	Filtration	FILTRATION			203311	09/19/14 10:22	SLB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-1A

Lab Sample ID: 480-67407-1

Date Collected: 09/16/14 08:45

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			203595	09/22/14 11:23	SLB	TAL BUF
Dissolved	Analysis	6010C		1	204162	09/23/14 20:37	TRB	TAL BUF
Dissolved	Filtration	FILTRATION			203311	09/19/14 10:22	SLB	TAL BUF
Dissolved	Prep	3005A			203595	09/22/14 11:23	SLB	TAL BUF
Dissolved	Analysis	6010C		1	205127	09/29/14 13:28	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			205897	10/03/14 09:28	SLB	TAL BUF
Dissolved	Prep	3005A			206156	10/06/14 13:03	SLB	TAL BUF
Dissolved	Analysis	6010C		1	206659	10/08/14 12:45	LMH	TAL BUF
Total/NA	Prep	3005A			202837	09/17/14 12:00	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203250	09/18/14 20:20	AMH	TAL BUF
Total/NA	Prep	7470A			203017	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/19/14 07:48	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:29	LMH	TAL BUF
Total/NA	Analysis	310.2		5	205320	09/30/14 22:47	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 17:34	RS	TAL BUF
Total/NA	Prep	351.2			204255	09/25/14 06:27	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 12:15	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202988	09/17/14 17:24	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204132	09/24/14 10:35	KMF	TAL BUF
Total/NA	Prep	Distill/Phenol			205986	10/03/14 12:45	RP	TAL BUF
Total/NA	Analysis	420.4		1	206073	10/04/14 10:39	NCH	TAL BUF
Total/NA	Analysis	7196A		1	202748	09/17/14 04:49	VAJ	TAL BUF
Total/NA	Analysis	9038		1	203382	09/19/14 11:17	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202972	09/17/14 20:30	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	203110	09/18/14 14:47	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	204429	09/24/14 17:45	RMB	TAL BUF
Total/NA	Prep	SM 4500 CN C			203966	09/23/14 16:00	CLT	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	204222	09/24/14 19:16	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	202973	09/17/14 18:19	CLT	TAL BUF
Total/NA	Analysis	SM 5310D		1	203714	09/20/14 04:54	AP	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/16/14 08:45	FLD	TAL BUF

Client Sample ID: MW-2A

Lab Sample ID: 480-67407-2

Date Collected: 09/16/14 11:00

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204763	09/27/14 15:46	NMD1	TAL BUF
Total/NA	Analysis	300.0		1	119201	09/24/14 18:38	MJH	TAL PIT
Dissolved	Filtration	FILTRATION			203311	09/19/14 10:22	SLB	TAL BUF
Dissolved	Prep	3005A			203595	09/22/14 11:23	SLB	TAL BUF
Dissolved	Analysis	6010C		1	204162	09/23/14 20:39	TRB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2A

Lab Sample ID: 480-67407-2

Date Collected: 09/16/14 11:00

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			203311	09/19/14 10:22	SLB	TAL BUF
Dissolved	Prep	3005A			203595	09/22/14 11:23	SLB	TAL BUF
Dissolved	Analysis	6010C		1	205127	09/29/14 13:30	LMH	TAL BUF
Total/NA	Prep	3005A			202837	09/17/14 12:00	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203250	09/18/14 20:23	AMH	TAL BUF
Total/NA	Prep	7470A			203017	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/19/14 07:53	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:29	LMH	TAL BUF
Total/NA	Analysis	310.2		5	205207	09/29/14 16:09	RMB	TAL BUF
Total/NA	Analysis	350.1		5	202956	09/17/14 18:45	RS	TAL BUF
Total/NA	Prep	351.2			204255	09/25/14 06:27	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 12:15	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202988	09/17/14 20:50	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204132	09/24/14 10:35	KMF	TAL BUF
Total/NA	Prep	Distill/Phenol			204159	09/24/14 09:09	RP	TAL BUF
Total/NA	Analysis	420.4		1	204436	09/25/14 13:30	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202748	09/17/14 04:51	VAJ	TAL BUF
Total/NA	Analysis	9038		1	203179	09/18/14 11:38	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202972	09/17/14 20:30	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	203110	09/18/14 14:50	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	205206	09/29/14 16:05	RMB	TAL BUF
Total/NA	Prep	SM 4500 CN C			203966	09/23/14 16:00	CLT	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	204222	09/24/14 19:17	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	202973	09/17/14 18:19	CLT	TAL BUF
Total/NA	Analysis	SM 5310D		1	203714	09/20/14 05:24	AP	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/16/14 11:00	FLD	TAL BUF

Client Sample ID: MW-2B

Lab Sample ID: 480-67407-3

Date Collected: 09/16/14 10:30

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204763	09/27/14 16:11	NMD1	TAL BUF
Total/NA	Analysis	300.0		1	118865	09/22/14 15:18	MJH	TAL PIT
Total/NA	Prep	3005A			202837	09/17/14 12:00	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203250	09/18/14 20:26	AMH	TAL BUF
Total/NA	Prep	7470A			203017	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/18/14 16:20	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:29	LMH	TAL BUF
Total/NA	Analysis	310.2		5	205207	09/29/14 17:40	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 17:36	RS	TAL BUF
Total/NA	Prep	351.2			204255	09/25/14 06:27	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-2B

Lab Sample ID: 480-67407-3

Date Collected: 09/16/14 10:30

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	351.2		1	204372	09/25/14 12:15	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202988	09/17/14 17:26	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204501	09/25/14 22:52	VAJ	TAL BUF
Total/NA	Prep	Distill/Phenol			204159	09/24/14 09:09	RP	TAL BUF
Total/NA	Analysis	420.4		1	204436	09/25/14 13:30	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202748	09/17/14 04:53	VAJ	TAL BUF
Total/NA	Analysis	9038		1	203179	09/18/14 11:55	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202972	09/17/14 20:30	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	203110	09/18/14 14:52	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		5	206423	10/07/14 11:56	NCH	TAL BUF
Total/NA	Prep	SM 4500 CN C			204091	09/24/14 01:15	LAW	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	204222	09/24/14 20:15	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	203029	09/18/14 02:56	LAW	TAL BUF
Total/NA	Analysis	SM 5310D		1	203714	09/20/14 05:54	AP	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/16/14 10:30	FLD	TAL BUF

Client Sample ID: MW-3A

Lab Sample ID: 480-67407-4

Date Collected: 09/16/14 08:00

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204758	09/27/14 13:00	EDB	TAL BUF
Total/NA	Analysis	300.0		1	119201	09/24/14 18:54	MJH	TAL PIT
Total/NA	Prep	3005A			202837	09/17/14 12:00	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203250	09/18/14 20:29	AMH	TAL BUF
Total/NA	Prep	7470A			203017	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/19/14 07:45	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:29	LMH	TAL BUF
Total/NA	Analysis	310.2		2	205207	09/29/14 16:17	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 17:36	RS	TAL BUF
Total/NA	Prep	351.2			204255	09/25/14 06:27	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 12:15	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202988	09/17/14 17:30	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204501	09/25/14 22:52	VAJ	TAL BUF
Total/NA	Prep	Distill/Phenol			204159	09/24/14 09:09	RP	TAL BUF
Total/NA	Analysis	420.4		1	204436	09/25/14 13:30	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202748	09/17/14 04:54	VAJ	TAL BUF
Total/NA	Analysis	9038		1	203179	09/18/14 11:37	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202972	09/17/14 20:30	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	203110	09/18/14 14:54	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	205206	09/29/14 16:05	RMB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-3A

Lab Sample ID: 480-67407-4

Date Collected: 09/16/14 08:00

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SM 4500 CN C			204091	09/24/14 01:15	LAW	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	204222	09/24/14 20:16	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	202973	09/17/14 18:19	CLT	TAL BUF
Total/NA	Analysis	SM 5310D		1	203714	09/20/14 06:10	AP	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/16/14 08:00	FLD	TAL BUF

Client Sample ID: MW-3B

Lab Sample ID: 480-67407-5

Date Collected: 09/16/14 07:45

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204758	09/27/14 13:23	EDB	TAL BUF
Total/NA	Analysis	300.0		1	118865	09/22/14 15:34	MJH	TAL PIT
Total/NA	Prep	3005A			202837	09/17/14 12:00	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203250	09/18/14 20:32	AMH	TAL BUF
Total/NA	Prep	7470A			203017	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/19/14 07:51	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:29	LMH	TAL BUF
Total/NA	Analysis	310.2		5	204428	09/25/14 07:12	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 17:37	RS	TAL BUF
Total/NA	Prep	351.2			204255	09/25/14 06:27	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 10:57	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202988	09/17/14 17:33	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204132	09/24/14 10:35	KMF	TAL BUF
Total/NA	Prep	Distill/Phenol			204159	09/24/14 09:09	RP	TAL BUF
Total/NA	Analysis	420.4		1	204436	09/25/14 13:30	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202748	09/17/14 04:56	VAJ	TAL BUF
Total/NA	Analysis	9038		1	203712	09/22/14 09:54	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202972	09/17/14 20:30	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	203110	09/18/14 14:56	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	204429	09/24/14 17:45	RMB	TAL BUF
Total/NA	Prep	SM 4500 CN C			203966	09/23/14 16:00	CLT	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	204222	09/24/14 19:14	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	202973	09/17/14 18:19	CLT	TAL BUF
Total/NA	Analysis	SM 5310D		1	203714	09/20/14 06:25	AP	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/16/14 07:45	FLD	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-4A

Lab Sample ID: 480-67407-6

Date Collected: 09/16/14 10:00

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204758	09/27/14 13:46	EDB	TAL BUF
Total/NA	Analysis	300.0		1	118865	09/22/14 14:45	MJH	TAL PIT
Total/NA	Prep	3005A			202837	09/17/14 12:00	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203250	09/18/14 20:35	AMH	TAL BUF
Total/NA	Prep	7470A			203017	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/19/14 07:50	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:29	LMH	TAL BUF
Total/NA	Analysis	310.2		5	205207	09/29/14 16:08	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 18:47	RS	TAL BUF
Total/NA	Prep	351.2			203955	09/23/14 17:24	RMB	TAL BUF
Total/NA	Analysis	351.2		1	204118	09/24/14 09:49	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202988	09/17/14 20:51	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204501	09/25/14 22:52	VAJ	TAL BUF
Total/NA	Prep	Distill/Phenol			204159	09/24/14 09:09	RP	TAL BUF
Total/NA	Analysis	420.4		1	204436	09/25/14 13:30	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202748	09/17/14 04:58	VAJ	TAL BUF
Total/NA	Analysis	9038		1	203712	09/22/14 09:54	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202972	09/17/14 20:30	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	203110	09/18/14 14:58	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 CI- E		1	205206	09/29/14 16:05	RMB	TAL BUF
Total/NA	Prep	SM 4500 CN C			203966	09/23/14 16:00	CLT	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	204222	09/24/14 19:13	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	202973	09/17/14 18:19	CLT	TAL BUF
Total/NA	Analysis	SM 5310D		1	203714	09/20/14 07:36	AP	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/16/14 10:00	FLD	TAL BUF

Client Sample ID: MW-5A

Lab Sample ID: 480-67407-7

Date Collected: 09/16/14 09:15

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204758	09/27/14 14:09	EDB	TAL BUF
Total/NA	Analysis	300.0		1	118865	09/22/14 17:12	MJH	TAL PIT
Total/NA	Prep	3005A			202837	09/17/14 12:00	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203250	09/18/14 20:38	AMH	TAL BUF
Total/NA	Prep	7470A			203017	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/19/14 07:46	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:29	LMH	TAL BUF
Total/NA	Analysis	310.2		2	205207	09/29/14 16:17	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 18:54	RS	TAL BUF
Total/NA	Prep	351.2			204255	09/25/14 06:27	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-5A

Lab Sample ID: 480-67407-7

Date Collected: 09/16/14 09:15

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	351.2		1	204372	09/25/14 10:57	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202988	09/17/14 20:54	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204501	09/25/14 22:52	VAJ	TAL BUF
Total/NA	Prep	Distill/Phenol			204159	09/24/14 09:09	RP	TAL BUF
Total/NA	Analysis	420.4		1	204436	09/25/14 13:30	RMB	TAL BUF
Total/NA	Analysis	7196A		1	202748	09/17/14 05:07	VAJ	TAL BUF
Total/NA	Analysis	9038		1	203712	09/22/14 09:54	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202972	09/17/14 20:30	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	203164	09/18/14 15:15	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 CI- E		1	205206	09/29/14 16:05	RMB	TAL BUF
Total/NA	Prep	SM 4500 CN C			203966	09/23/14 16:00	CLT	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	204222	09/24/14 19:06	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	202973	09/17/14 18:19	CLT	TAL BUF
Total/NA	Analysis	SM 5310D		1	203714	09/20/14 07:51	AP	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/16/14 09:15	FLD	TAL BUF

Client Sample ID: MW-7A

Lab Sample ID: 480-67407-8

Date Collected: 09/16/14 11:44

Matrix: Water

Date Received: 09/17/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204758	09/27/14 14:31	EDB	TAL BUF
Total/NA	Analysis	300.0		1	118865	09/22/14 16:56	MJH	TAL PIT
Dissolved	Filtration	FILTRATION			203311	09/19/14 10:22	SLB	TAL BUF
Dissolved	Prep	3005A			203595	09/22/14 11:23	SLB	TAL BUF
Dissolved	Analysis	6010C		1	204162	09/23/14 20:42	TRB	TAL BUF
Dissolved	Filtration	FILTRATION			203311	09/19/14 10:22	SLB	TAL BUF
Dissolved	Prep	3005A			203595	09/22/14 11:23	SLB	TAL BUF
Dissolved	Analysis	6010C		1	205127	09/29/14 13:33	LMH	TAL BUF
Total/NA	Prep	3005A			202837	09/17/14 12:00	SLB	TAL BUF
Total/NA	Analysis	6010C		1	203250	09/18/14 20:49	AMH	TAL BUF
Total/NA	Prep	7470A			203017	09/18/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	203265	09/18/14 16:22	LRK	TAL BUF
Total/NA	Analysis	SM 2340B		1	203528	09/21/14 20:29	LMH	TAL BUF
Total/NA	Analysis	310.2		10	205207	09/29/14 16:17	RMB	TAL BUF
Total/NA	Analysis	350.1		1	202956	09/17/14 18:55	RS	TAL BUF
Total/NA	Prep	351.2			204255	09/25/14 06:27	LAW	TAL BUF
Total/NA	Analysis	351.2		1	204372	09/25/14 10:57	NCH	TAL BUF
Total/NA	Analysis	353.2		1	202988	09/17/14 17:36	JMB	TAL BUF
Total/NA	Analysis	410.4		1	204132	09/24/14 10:35	KMF	TAL BUF
Total/NA	Prep	Distill/Phenol			204159	09/24/14 09:09	RP	TAL BUF
Total/NA	Analysis	420.4		1	204436	09/25/14 13:30	RMB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Client Sample ID: MW-7A

Date Collected: 09/16/14 11:44

Date Received: 09/17/14 01:00

Lab Sample ID: 480-67407-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7196A		1	202748	09/17/14 05:09	VAJ	TAL BUF
Total/NA	Analysis	9038		1	203179	09/18/14 11:37	MRF	TAL BUF
Total/NA	Analysis	SM 2120B		1	202972	09/17/14 20:30	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	203164	09/18/14 15:42	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 CI- E		2	206423	10/07/14 11:56	NCH	TAL BUF
Total/NA	Prep	SM 4500 CN C			203966	09/23/14 16:00	CLT	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	204222	09/24/14 19:07	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	203029	09/18/14 02:56	LAW	TAL BUF
Total/NA	Analysis	SM 5310D		1	203714	09/20/14 08:07	AP	TAL BUF
Total/NA	Analysis	Field Sampling		1	204965	09/16/14 11:44	FLD	TAL BUF

Client Sample ID: TRIP BLANK

Date Collected: 09/16/14 00:00

Date Received: 09/17/14 01:00

Lab Sample ID: 480-67407-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	204758	09/27/14 14:54	EDB	TAL BUF

Laboratory References:

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

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
9038		Water	Sulfate

Laboratory: TestAmerica Pittsburgh

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

Method Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL PIT
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
SM 2340B	Total Hardness (as CaCO ₃) by calculation	SM	TAL BUF
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
420.4	Phenolics, Total Recoverable	MCAWW	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL BUF
9038	Sulfate, Turbidimetric	SW846	TAL BUF
SM 2120B	Color, Colorimetric	SM	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 4500 Cl- E	Chloride, Total	SM	TAL BUF
SM 4500 CN E	Cyanide, Total	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF
SM 5310D	Organic Carbon, Total (TOC)	SM	TAL BUF
Field Sampling	Field Sampling	EPA	TAL BUF

Protocol References:

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 PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-67323-1	CD-1	Water	09/15/14 15:00	09/16/14 02:00
480-67323-2	CD-1RA	Water	09/15/14 15:45	09/16/14 02:00
480-67323-3	MW-1B	Water	09/15/14 16:15	09/16/14 02:00
480-67323-4	MW-6A	Water	09/15/14 13:25	09/16/14 02:00
480-67323-5	MW-6B	Water	09/15/14 13:45	09/16/14 02:00
480-67323-6	Scale House	Water	09/15/14 14:25	09/16/14 02:00
480-67323-7	Trip Blank	Water	09/15/14 00:00	09/16/14 02:00
480-67407-1	MW-1A	Water	09/16/14 08:45	09/17/14 01:00
480-67407-2	MW-2A	Water	09/16/14 11:00	09/17/14 01:00
480-67407-3	MW-2B	Water	09/16/14 10:30	09/17/14 01:00
480-67407-4	MW-3A	Water	09/16/14 08:00	09/17/14 01:00
480-67407-5	MW-3B	Water	09/16/14 07:45	09/17/14 01:00
480-67407-6	MW-4A	Water	09/16/14 10:00	09/17/14 01:00
480-67407-7	MW-5A	Water	09/16/14 09:15	09/17/14 01:00
480-67407-8	MW-7A	Water	09/16/14 11:44	09/17/14 01:00
480-67407-9	TRIP BLANK	Water	09/16/14 00:00	09/17/14 01:00

Detection Limit Exceptions Summary

Client: Cortland Cty Soil & Water Cons District
Project/Site: Towslee Landfill - Baseline

TestAmerica Job ID: 480-67323-1
SDG: 67323

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	Water	Bromide	mg/L	0.20	0.5

TestAmerica Albany
25 Kraft Road
Albany, NY 12205

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Lab Pk:		Carrier Tracking No(s)		DOC No:	
Client Contact: Patrick Reidy		VanDette, Ryan T				480-54925-13274.1	
Company: Cortland City Soil & Water Cons District		E-Mail: ryan.vandette@testamerica.com				Page: Page 1 of 2	
Address: 100 Grange Place Rm 202		Due Date Requested:				Job #:	
City: Cortland		TAT Requested (days):					
State, Zip: NY, 13045		PO #:					
Phone:		Purchase Order not required					
Email:		WB #:					
Project Name: Cortland Landfill - Event Desc: Fowstee Landfill - Baseline		Project #: 48005337					
Site: New York		SSOW#:					
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)	
CD-1		9-15-14		1300		G	
CD-1RA		9-15-14		1545		G	
MW-1A		9-15-14		1615		G	
MW-1B							
MW-2A							
MW-2B							
MW-3A							
MW-3B							
MW-4A							
MW-4B							
MW-6A		9-15-14		1325		G	
Possible Hazard Identification		☐ Non-Hazard		☐ Flammable		☐ Skin Irritant	
Deliverable Requested: I, II, III, IV, Other (specify)		☐ Poison B		☐ Unknown		☐ Radiological	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Requested by: Ryan Reidy		9-15-14		1300		Company TA	
Received by: Ryan Reidy		9-15-14		1300		Company TA	
Relinquished by:						Company	
Custody Seals Intact:		Custody Sealing:		Chain of Custody:		Special Instructions/Note:	
Yes / No		Yes / No		Yes / No		480-67323 Chain of Custody	

10/17/2014

Chain of Custody Record

Client Information Client Contact: Patrick Reidy Phone: _____ E-Mail: ryan.vandette@testamericainc.com		Lab PMT: VanDette, Ryan T E-Mail: _____		Carrier Tracking No(s): _____ COC No: 480-54925-13274.1 Page: Page 1 of 2 Job #: _____	
Company: Cortland City Soil & Water Cons District Address: 100 Grange Place Rm 202 City: Cortland State: NY, Zip: 13045 Phone: _____ PO #: _____ Purchase Order not required WO #: _____ Email: patrick.reidy@cortlandswd.org Project Name: Cortland Landfill/ Event Desc: Towslee Landfill - Baseline Site: New York SOW#: _____					
Due Date Requested: _____ TAT Requested (days): _____ Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air) Sample Type (C=Comp, G=grab) Sample Time Sample Date Preservation Code Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 300.0, 28D - Bromide 360.1, 361.2, 410.4 6010C, 7470A, 5M2340B 420 - Phenolics, Total Recoverable 5M5310D - Total Organic Carbon 8260C - NY Part 360 Baseline Volatiles 6210B - Biochemical Oxygen Demand 2540C - Calcd - Total Dissolved Solids Field Sampling - (MOD) pH, Cond, Temp, Turb 4900 - CN, E - Cyanide, Total 5M4600 Cl B 7196A - Chromium, hexavalent 310.2 - Alkalinity, Total Total Number of Containers					
Special Instructions/Note: TDC TDC + Diss metals TDC + Diss metals TDC					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) _____					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Special Instructions/QC Requirements: _____					
Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: _____					
Relinquished by: _____ Date/Time: 9-16-14 1800 Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____					
Custody Seals Intact: _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: 3, 2, 4, 5, 5.0, 2.4 #1					

Client Information Client Contact: Patrick Reidy Company: Cortland City Soil & Water Cons District Address: 100 Grange Place Rm 202 City: Cortland State, Zip: NY, 13045 Phone: _____ Email: patrick.reidy@cortlandswcd.org			Lab Pk: VanDette, Ryan T E-Mail: ryan.vandette@testamericainc.com Carrier Tracking No(s): 480-54925-13274.2 Page: Page 2 of 2 Job #: _____		
Analysis Requested Due Date Requested: _____ TAT Requested (days): _____ PO #: _____ Purchase Order not required WO #: _____ Project #: 48009337 Cortland Landfill/ Event Desc: Towslee Landfill - Baseline Site: New York			Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)		
Sample Identification Sample Date: 9-16-14 Sample Time: 1144 Sample Type (C=Comp, G=grab): G Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air): Water Field Filtered Sample (Yes or No): _____ Performance MS/MSD (Yes or No): _____			Special Instructions/Note: Total Number of Containers: _____ 310.2 - Alkalinity, Total 7196A - Chromium, hexavalent SM4500 Cl E 2120B, 363.2, 363.2, Nitrite, Nitrate, Calc 4500 CN E - Cyanide, Total Field Sampling - (MOD) pH, Cond, Temp, Turb 2540C, Calcd - Total Dissolved Solids 5210B - Biochemical Oxygen Demand 8260C - NY Part 360 Baseline Volatiles SM6310D - Total Organic Carbon 420.4 - Phenolics, Total Recoverable 6010C, 7470A, SM2340B 330.1, 351.2, 410.4 300.0, 28D - Bromide 300.0, 28D - Bromide		
Sample ID: MW-05 Scale House Trip Blank			Special Instructions/Note: Total Number of Containers: _____ 310.2 - Alkalinity, Total 7196A - Chromium, hexavalent SM4500 Cl E 2120B, 363.2, 363.2, Nitrite, Nitrate, Calc 4500 CN E - Cyanide, Total Field Sampling - (MOD) pH, Cond, Temp, Turb 2540C, Calcd - Total Dissolved Solids 5210B - Biochemical Oxygen Demand 8260C - NY Part 360 Baseline Volatiles SM6310D - Total Organic Carbon 420.4 - Phenolics, Total Recoverable 6010C, 7470A, SM2340B 330.1, 351.2, 410.4 300.0, 28D - Bromide 300.0, 28D - Bromide		
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:		
Empty Kit Relinquished by: _____ Relinquished by: _____ Relinquished by: _____ Relinquished by: _____			Method of Shipment: _____ Received by: _____ Date/Time: 9-16-14 1800 Company: TA Received by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____		
Custody Seal Intact: _____ A Yes A No			Cooler Temperature(s) °C and Other Remarks: 312455:0214#1		

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Duslee LF

Sample Point ID: ED-3

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-15-14 1500

Method of Sampling: Bailey

Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 24.70

Water Depth (from top of PVC): 10.52

Length of water Column: 14.18

Purge Volume: LWC x 0.17 x 3= 7.2318

Volume Purged: 7.5 gallons

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1500	12.73	8.10	292	82.9	95.8	4.22

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling:

Sunny 60's

COMMENTS AND OBSERVATIONS:

Submit sample for turbidity

Dissolved metals

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9-15-14

By: TDK

Company: TDK

69

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towhee LF Sample Point ID: CD-2RA

Field Personnel: TDK Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-15-14 1545
Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"
Well Depth (from top of PVC): 48.99
Water Depth (from top of PVC): 8.84
Length of water Column: 40.15
Purge Volume: LWC x 0.17 x 3 = 20.4765 Volume Purged 21 Gallons.
Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1545	10.99	8.19	313	104	110.4	4.51

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: See Page 65
Turbidity 1.0 Serial #: See Page 65
Turbidity 10.0 Serial #: See Page 65

pH 4.0 Serial #: See Page 65
pH 7.0 Serial #: See Page 65
pH 10.0 Serial #: See Page 65

Cond Serial #: See Page 65 umhos/cm@25 C

ORP Serial #: See Page 65 Mv

DO Calibrated to See Page 65 @ See Page 65

Weather conditions @ time of sampling: Sunny 60's

COMMENTS AND OBSERVATIONS: Submit sample for Diss metals

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/15/14 By: TDK Company: TA

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towhee LF

Sample Point ID: MW-1B

Field Personnel: TJK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-15-14 1615

Method of Sampling: Bailer

Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 55.00

Water Depth (from top of PVC): 0

Length of water Column: 0

Purge Volume: LWC x 0.17 x 3= 0

Volume Purged: None *

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1615	15.04	8.21	206	32.3	108.1	4.20

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 60°S

COMMENTS AND OBSERVATIONS: # Artesian well.

Certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/15/14

By: TJK

Company: TD

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towhee LF Sample Point ID: MW-LA

Field Personnel: TDK Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9.15.14 1325

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 19.16

Water Depth (from top of PVC): 14.55

Length of water Column: 4.57

Purge Volume: LWC x 0.17 x 3 = 2.3307

Volume Purged: 2.5 gallons

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1325	14.02	7.10	461	>	54.1	4.44

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: See Page 65

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: SUNNY 60'S

COMMENTS AND OBSERVATIONS: Very turbid, Submit Samples

For Dissolved metals

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/15/14 By: TDK Company: Chg

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Townsee LF Sample Point ID: MW-6B

Field Personnel: TDL Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-15-11 1345

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 40.79

Water Depth (from top of PVC): 14.73

Length of water Column: 26.06

Purge Volume: LWC x 0.17 x 3 = 13.2906

Volume Purged 4.5 gallons

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1345	11.47	7.19	372	30.1	138.9	5.01

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm @ 25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 60's

COMMENTS AND OBSERVATIONS: Bailer dry @ 4.5 gallons
@ 1245

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/15/11 By: TDL Company: TA

tele

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towsee LF

Sample Point ID: Scale House

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-15-14 1425

Method of Sampling: Bailer Grab Sample Dedicated: YES

Diameter of Well: _____

Well Depth (from top of PVC): _____

Water Depth (from top of PVC): _____

Length of water Column: _____

Purge Volume: LWC x 0.17 x 3= _____

Volume Purged: _____

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1425	16.77	8.12	332	0.56	76.7	3.02

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

See Page 65

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm @ 25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 60°

COMMENTS AND OBSERVATIONS: _____

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/15/14

By: TDK

Company: TM

68

FIELD OBSERVATIONS

8F-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Locality: Dwilee

Sample Point ID: MW-1A

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9/15/14 1700
9-16-14 10845

Method of Sampling: Baller

Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 33.56

Water Depth (from top of PVC): 0.5

Length of water Column: 33.45

Purge Volume: LWC x 0.17 x 3= 17.0595

Volume Purged 7 Gallons

methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
10845	13.29	7.96	3.74	>	4.5	3.28

INSTRUMENT CHECK DATA:

Lamotte 2020 Turbidimetric

Turbidity 0.0 Serial #: C471575 Exp 6/30/15

Turbidity 1.0 Serial #: C365163 Exp 1/30/15

Turbidity 10.0 Serial #: C364881 Exp 1/31/15

34.0 Serial #: 13M3R Exp 12/17/15

37.0 Serial #: 13M3S Exp 12/19/15

310.0 Serial #: 13M3T Exp 12/19/15

and Serial #: 4AC207 1413 umhos/cm@25°C Exp 3/31/15

RP Serial # 5100 240.0 Mv Exp 16/17

Calibrated to 98.7% acid @ 1450' BMP 28.34

Weather conditions @ time of sampling: SUNNY 60'S

COMMENTS AND OBSERVATIONS: Barrel dry @ 7 gallons.

recharge overnight. Very Silty. Submit Diss metals
sample.

Verify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific
protocols.

By: TDK Company: TN

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towslee LF

Sample Point ID: man-2A

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-16-14, 1100

Method of Sampling: Bailer

Dedicated: YES

Diameter of Well

Well Depth (from top of PVC) 12.82

Water Depth (from top of PVC) 8.36

Length of water Column 4.46

Purge Volume: LWC x 0.17 x 3= 2.2746

Volume Purged 2.5 Gallons

Methane Reading 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1100	12.81	6.96	777	>	-38.5	3.85

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm @ 25 C

ORP Serial # _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Cloudy 60's

COMMENTS AND OBSERVATIONS: Very turbid, Submit sample for dissolved metals.

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/16/14

By: TDK

Company: TA

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towhee LF

Sample Point ID: MW-2B

Field Personnel: TDIC

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-16-14 1030

Method of Sampling: Baller Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 33.52

Water Depth (from top of PVC): 10.10

Length of water Column: 23.42

Purge Volume: LWC x 0.17 x 3 = 11.9442

Volume Purged 6 Gallons

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1030</u>	<u>9.90</u>	<u>7.17</u>	<u>1388</u>	<u>39.3</u>	<u>33.0</u>	<u>6.36</u>

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

Calibrated to _____ @ _____

Weather conditions @ time of sampling: Cloudy 50's

COMMENTS AND OBSERVATIONS: Barled dry @ 6 gallons. Excellent

Orange

Verify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific locals.

9/16/14

By: TDIC

Company: TH

76

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towstee LF Sample Point ID: MW-3A
Field Personnel: TDC Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-16-14 0800
Method of Sampling: Bailer Dedicated: YES
Diameter of Well: 2"
Well Depth (from top of PVC): 22.43
Water Depth (from top of PVC): 9.37
Length of water Column: 13.06
Purge Volume: LWC x 0.17 x 3 = 6.6606 Volume Purged: 6.75
Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>0800</u>	<u>13.07</u>	<u>6.68</u>	<u>309</u>	<u>24.9</u>	<u>56.7</u>	<u>5.27</u>

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: See Page 72
Turbidity 1.0 Serial #: See Page 72
Turbidity 10.0 Serial #: See Page 72
pH 4.0 Serial #: See Page 72
pH 7.0 Serial #: See Page 72
pH 10.0 Serial #: See Page 72
Cond Serial #: See Page 72 umhos/cm@25 C
ORP Serial #: See Page 72 Mv
DO Calibrated to See Page 72 @ See Page 72

Weather conditions @ time of sampling: Cloudy 50°

COMMENTS AND OBSERVATIONS:

Certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/16/14 By: TDC Company: DA

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Townsend LF Sample Point ID: MW-3B

Field Personnel: TDK Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-16-14 0745

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 44.38

Water Depth (from top of PVC): 16.45

Length of water Column: 27.93

Purge Volume: LWC x 0.17 x 3= 14.2443

Volume Purged: 15 gallons

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
0745	10.72	7.95	452	30.9	184.6	5.46

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: cloudy 60's

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/16/14 By: TDK Company: M

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towhee LF

Sample Point ID: mw-4A

Field Personnel: TDK

Sample Matrix: gw

SAMPLING INFORMATION:

Date/Time: 9-16-14, 1000

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 8"

Well Depth (from top of PVC): 33.42

Water Depth (from top of PVC): 9.50

Length of water Column: 23.92

Purge Volume: LWC x 0.17 x 3= 12.1992

Volume Purged 4 gallons

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
<u>1000</u>	<u>12.36</u>	<u>7.50</u>	<u>751</u>	<u>12.7</u>	<u>72.5</u>	<u>4.22</u>

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25°C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Cloudy 50's

COMMENTS AND OBSERVATIONS: Bailed dry @ 4 gallons

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/16/14 By: TDK Company: TA

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Townsend LF

Sample Point ID: mini-SA

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9-16-14 0915

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 32.28

Water Depth (from top of PVC): 11.91

Length of water Column: 10.37

Purge Volume: LWC x 0.17 x 3= 5.2827

Volume Purged: 2.25

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
0915	14.14	8.47	266	8.14	6.7	4.99

INSTRUMENT CHECK DATA: Lemotte 2020 Turbidity meter

Turbidity 0.0 Serial #: C471579 Exp 6-30-15

Turbidity 1.0 Serial #: C366163 Exp 1-30-15

Turbidity 10.0 Serial #: C364891 Exp 1-31-15

ysE 55L

pH 4.0 Serial #: 13 M3R Exp 12-17-15

pH 7.0 Serial #: 13 M3S Exp 12-19-15

pH 10.0 Serial #: 13 M3T Exp 12-19-15

Cond Serial #: 4AC267 1413 umhos/cm@25C Exp 3-31-15

ORP Serial # 5100 240.0 Mv Exp 10-17

Barometric Pressure: 28.14

DO Calibrated to 98.6% Sat @ 14.50'

Weather conditions @ time of sampling: Sunny 60's / Cloudy 50's

COMMENTS AND OBSERVATIONS: Ambient Reading for methane

taken outside scale house and was 0.

obstruction in well. Bailed 1.25 gallons out

before going dry @ 1230. Bailed another gallon @ 1630. Lets sit

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols. overnight

Date: 9/15/14

By: TDK

Company: TA

65

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towstee LF Sample Point ID: MW-7A
Field Personnel: TDK Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 9.16.14 1144
Method of Sampling: Bailer Dedicated: YES
Diameter of Well: 2"
Well Depth (from top of PVC): 22.65
Water Depth (from top of PVC): 6.15
Length of water Column: 16.46
Purge Volume: LWC x 0.17 x 3 = 8.3546 Volume Purged: 8.5 Gallons
Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1144	11.53	7.00	1128	7	101	4.36

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Cond Serial #: _____ umhos/cm@25 C

ORP Serial #: _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: P. Sunny 60's

COMMENTS AND OBSERVATIONS:

Very Silty, Submit Sample for dissolved metals.

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 9/16/14 By: TDK Company: TA

Login Sample Receipt Checklist

Client: Cortland Cty Soil & Water Cons District

Job Number: 480-67323-1

SDG Number: 67323

Login Number: 67323

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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.	False	No: IDs on containers do not match the COC. Logged in per COC.
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	testamerica
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Cortland Cty Soil & Water Cons District

Job Number: 480-67323-1

SDG Number: 67323

Login Number: 67323

List Number: 2

Creator: Lonzo, Michael A

List Source: TestAmerica Pittsburgh

List Creation: 09/18/14 10:16 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Cortland Cty Soil & Water Cons District

Job Number: 480-67323-1

SDG Number: 67323

Login Number: 67407

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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	testamerica
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Cortland Cty Soil & Water Cons District

Job Number: 480-67323-1

SDG Number: 67323

Login Number: 67407

List Number: 2

Creator: Lonzo, Michael A

List Source: TestAmerica Pittsburgh

List Creation: 09/18/14 10:16 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix B

Historical Analytical Data

Cortland County Towslee Landfill

Historical Data Page Index

Cortland County Towslee Landfill

Well	Field/ Inorganic Parameters	Total Metals	Dissolved Metals	Organics
CD-1	2	15	28	41
CD-1RA	3	16	29	42
MW-1A	4	17	30	43
MW-1B	5	18	31	44
MW-2A	6	19	32	45
MW-2B	7	20	33	46
MW-3A	8	21	34	47
MW-3A	9	22	35	48
MW-4A	10	23	36	49
MW-5A	11	24	37	50
MW-6A	12	25	38	51
MW-6B	13	26	39	52
MW-7A	14	27	40	53

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well CD-1 - Overburden

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	SU	(uS/cm)	(SU)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
9/20/11	19.1	152	8.2	303	--	9.58	130	150	220	1.41	10.8	<8	0.054	<0.5	<0.5	<20	<4	<3	<0.005	--
12/13/11	7.7	164	7.91	282	6	10.2	140J	145	210	6.88J	16.9	<0.8	0.068	<0.5J	<0.5	<20	<4	<3	<0.005	<0.01J
3/20/12	18.2	179	7.89	274	6	46.2	130J	144	180	<1J	15.6	<0.8J	0.055	<0.5	<0.5J	<20	<6J	<3	<0.005J	<0.01
5/22/12	19	137	7.53	257	--	40.9	120	146	380	1.2	12.2	<8	0.068	<0.5	<0.5	<20	<4	<3	<0.005	--
8/29/12	19.8	129	7.75	263	--	12.6	130	119	200	1.45	10.9	<8	0.072	<0.5	<0.5	<20	<4	<3	<0.005	--
11/21/12	12.3	169	7.3	275	--	24.1	130	158	200	1.34	15.7	<0.5	<0.05	<0.5	<0.5	<20	<4	<3	<0.05	--
4/2/13	5.5	419	8.24	257	--	11	121	149	149	<2	15.4	<0.1	0.081	<0.5	<0.5	<10	<2	2.31	<0.02	--
7/11/13	15.6	358	8.42	353	<5	9.9	82	88.6	209R	1.56J	13.5J	<0.1J	0.166J	<0.5	<0.5	<10	7	7.34	<0.02	<0.02R
9/17/13	15.7	138	8.18	290	--	3.3	127	125	170	1.47	13.6	<0.1	0.081	<0.1	<0.5	<10	<2	1.49	<0.005	--
11/5/13	12.1	210	7.99	294	--	2.4	117	129	189	1.41	13.1	<0.1	0.084	<0.1	<1	<10	<2	<0.5	0.059	--
3/18/14	8.11	257.9	6.99	249	--	75.4	158	194	153	<1	21.7	<0.2	<0.05	<0.02	<0.2	<10	<2	<1	<0.01	--
5/21/14	10.31	179.2	7.77	255	--	666	79.7	222	156	2.2	18.5	<0.2	0.12	0.042	0.56	<10	<2	<1	<0.01	--
9/15/14	12.73	95.8	8.1	292	<5	82.9	129	162	172	1.4	20.7	<0.2	0.063	0.022J	0.56	<10	<2	<1	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well CD-1RA - Bedrock

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	su	(uS/cm)	(SU)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	<5	--	134	160	163	<2	10.8	1	<0.1	0.04	0.2	<15	<2	2.1	<1	--
10/1/97	--	--	--	--	20	--	132	160	150	2.5	15.3	1.2	<0.1	0.11	0.21	<15	<2	<1	<1	--
9/20/11	20.3	146	8.29	343	--	53	120	135	180	2.2	17.3	<8	0.054	<0.5	<0.5	<20	5	<3	<0.005	--
12/13/11	9.6	164	7.79	312	6	25.3	150J	155	170	3.67J	18.4	<0.8	0.058	<0.5J	<0.5	<20	<4	<3	<0.005	<0.01J
3/20/12	17.7	180	7.98	299	<5	20.3	140J	164	150	1.43J	15.8	<0.8J	0.079	<0.5	<0.5J	<20	<4J	<3	<0.005J	<0.01
5/22/12	185	142	7.45	295	--	8.26	140	155	310	1.46	15.9	<0.8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
8/29/12	20.5	131	7.66	353	--	6.25	130	135	220	1.77	13.7	<0.8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
11/21/12	13.5	168	7.28	290	--	11.6	130	156	170	1.78	15.7	<0.5	0.053	<0.5	<0.5	<20	<4	<3	<0.05	--
4/2/13	5.8	416	8.43	224	--	3.3	92	118	146	<2	25.2	<0.1	0.062	<0.5	<0.5	<10	<2	1.6	<0.02	--
7/11/13	17.1	343	7.98	519	7.4	38	120	138	185R	1.85J	16.1J	<0.1J	<0.01J	0.555	0.517	<10	3	1.01	<0.02	<0.02R
9/17/13	15.5	137	8.03	331	--	19	138	145	194	1.95	13.9	<0.1	<0.01	<0.1	<0.5	<10	<2	1.8	0.006	--
11/5/13	12.6	209	7.66	332	--	36	107	149	232	2.01	13.6	<0.1	<0.01	<0.1	<1	<10	<2	<0.5	<0.005	--
3/18/14	7.04	38.9	7.1	285	--	3600	169	624	175	1.4	22.5	<0.2	<0.05	<0.02	3.1	<10	<2	<1	<0.01	--
5/21/14	10.51	152	8	299	--	--	151	500	177	1.4	22.7	<0.2	<0.05	0.095	2.4	<10	<2	<1	<0.01	--
9/15/14	10.99	110.4	8.19	313	<5	104	144	181	173	2.8	18.7	<0.2	<0.05	0.026J	0.31	<10J	<2	<1	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-1A - Overburden

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	SU	(uS/cm)	(SU)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	-	-	6.5 to 8.5	-	15	5	-	-	500	250	250	2	10	2 *	-	-	-	-	0.001	0.2
8/1/97	--	--	--	--	5	--	160	4000	494	152	20.6	1.2	<0.1	6	18	305	5	4.2	0.003	<0.01
10/1/97	--	--	--	--	20	--	145	240	214	46	14.6	0.8	<0.1	2.6	3.8	64	<2	1.6	0.0015	<0.01
3/22/06	8.5	700	7.8	306	--	660	127	167	340	21.3	27.3	<0.1	<0.1	0.276	23.3	<10	<3	4.76	<0.005	--
5/31/06	12.8	105	7.7	355	--	73	139	140	213	22.2	12.3	<0.1	0.217	<0.02	0.529H	<10	<3	2.61	<0.005	--
8/9/06	19.5	190	7.52	353	<5	131	122	148	236	34.2	16.5	<0.1	<0.1	0.161	0.366	<10	<3	<2	<0.005	<0.01
10/10/06	15.9	170	7.69	369	--	29	132	148	229	26.7	14.9	0.117	<0.1	<0.1	<0.2	<10	<3	<2	<0.005	--
3/20/07	9.3	59	8.29	204	--	55.6	140	134	127	28.7	8.79	<0.2	<0.2	<0.5	2.2	<20	<4	<3	<0.005	--
4/26/07	6.7	-107	7.93	221	--	34.8	120	153	208	27	14.2	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	0.005	--
7/31/07	21.6	-111	7.83	241	--	24.3	120	148	250	27	48.6	<0.2	<0.2	<0.5	5.66	<20	<4	<3	<0.005	--
10/10/07	16	-68	8.01	658	30	28.1	130	146	204	27.9	11.2	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	<0.01
4/16/08	11.2	-57	7.85	351	--	16	120	151	195	28	16.3	<0.2	<0.2	<0.5	<0.5	<20	9	<3	<0.005	--
7/23/08	21.7	-62	8.07	344	--	11.6	120	159	116	25.9	<5	<2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
10/24/08	10.6	-69	8.23	334	--	24.6	120	165	188H	29.7	11.6	<2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
3/12/09	3.6	-21	7.4	344	--	16.7	130	161	256	30.4	14	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
6/17/09	19.6	143	8.09	199	18	23.4	100H	163	180	30.7	14.3	<2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	<0.01
9/30/09	12.6	162	7.67	201	--	30.6	120H	158	210	29.5	12.7	<2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
12/1/09	6.6	107	8.35	862	--	47.4	120	161	190	30	6.3	<2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
4/27/10	8.2	180	7.28	1580	--	22.7	140	161	270	31.7	9.43	<0.8	0.0721	<0.5	<0.5	<20	<4	<3	<0.005	--
7/20/10	18.9	151	7.73	263	35	18.6	120	167	320	33	17.9	<1.6	0.066	<0.5	<0.5	<20	<4	<3	<0.005	<0.01
10/26/10	15.6	110	7.95	345	--	37.7	120	169	170	31.4	14.8	<0.8	0.102	<0.5	0.897	<20	<4	<3	<0.005	--
3/22/11	9.8	228	7.52	347	--	24.2	130	159	150	32	13.6	<8	0.102	<0.5	<0.5	<20	<4	<3	<0.005	--
5/24/11	19.2	109	8.26	364	--	45.2	120	164	460	30.5	10.2	<0.8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
9/20/11	17.9	160	7.96	372	--	20.89	130	172	220	32.1	14.1	<8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
12/14/11	6.6	147	8.62	375	80	24	150J	177	210R	28.5J	15.8	<0.8	0.075	<0.5J	<0.5	<20	<4	<3	<0.005	<0.01J
3/21/12	19.8	116	7.91	401	6	572	130J	225	190	33.9J	11.4	<8J	<0.05	<0.5J	0.994J	<20	<4R	<3	<0.005J	<0.01
5/22/12	20.3	163	6.94	376	--	26.5	140	175	450	33.1	12.2	<8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
8/30/12	19.9	147	7.97	368	--	17.2	120	148	270	33.5	13.2	<8	1.09	<0.5	<0.5	<20	<4	<3	<0.005	--
11/21/12	14.1	164	7.63	379	--	23.8	130	169	230	33.5	12.1	<0.5	<0.05	<0.5	<0.5	<20	<4	<3	<0.05	--
4/2/13	5.6	430	8.2	400	--	12	128	187	208	33.9	15.1	<0.1	0.044	<0.5	<0.5	<10	<2	0.947	<0.02	--
7/11/13	19.1	339	7.91	681	<5	59	94	168	295R	31.6J	13.4J	<0.1J	0.106J	<0.5	<0.5	<10	6	1.04	<0.02	<0.02R
9/17/13	14.8	200	7.82	369	--	9.6	143	157	231	31.8	13.3	<0.1	0.082	<0.1	<0.5	<10	<2	1.58	0.009	--
11/5/13	10.7	199	7.94	418	--	54	128	155	102	30.3	13.8	<0.1	<0.01	<0.1	<1	<10	<2	<0.5	<0.005	--
5/21/14	11.18	144.6	8.03	379	--	--	149	303	239	33.7	21.4	<0.2	<0.05	0.06	1.2	<10	<2	<1	<0.01	--
9/16/14	13.29	4.5	7.96	374	<5	>3600	159	208	237	38.5	19.1	<0.2	<0.05	0.035J	0.51	<10	<2	<1	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-1B - Bedrock

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	su	(uS/cm)	(SU)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	<5	--	94.8	88	143	<2	5.2	<0.5	0.2	<0.02	<0.2	<15	<2	9.3	<0.001	--
10/1/97	--	--	--	--	<5	--	93.6	140	86	<2	<5	<0.5	<0.1	0.04	<0.2	<15	<2	<1	<0.001	--
3/22/06	5	385	7.7	157	--	187	92	97.6	120	2.55	4.72	< 0.1	< 0.1	0.0938	0.54	< 10	< 3	5.41	< 0.005	--
5/31/06	11.4	45	7.8	257	--	45	94	81.9	111	2.28	5.51	<0.1	<0.1	<0.02	0.755H	<10	<3	2.34	<0.005	--
8/9/06	16.4	155	7.69	244	<5	70	91	89	142	3.47	5.33	<0.1	<0.1	<0.02	0.497	<10	<3	<2	<0.005	<0.01
10/10/06	15.8	115	7.9	200	--	15.6	89	82	120	0.611	3.76	<0.1	<0.1	<0.1	<0.2	<10	<3	<2	<0.005	--
3/20/07	9.6	84	8.47	156	--	67.4	99	83.6	62	3.24	7.09	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
4/26/07	7.2	-122	8.24	141	--	9.62	96	105	162	4.45	6.31	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	0.006	--
7/31/07	21.5	-143	8.03	1241	--	10.2	100	104	130	3.16	28.8	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
10/10/07	16.3	-80	8.28	943	30	22.8	100	90.8	104	6.44	5.26	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	<0.01
2/1/08	1.7	196	8.66	1075	7	35.8	100	89.3	152	3.15	<5	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	<10
4/16/08	10.2	-78	8.34	245	--	14.6	100	103	130	5.95	9.42	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
7/23/08	20.9	-78	8.33	223	--	12.3	100	107	80	5.61	<5	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
10/24/08	11.8	-78	8.38	229	--	6.33	99	105	140	6.03	<5	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
3/12/09	2.7	-44	7.8	205	--	2.47	92H	97.1	160	2.86H	6.37	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
6/17/09	18.7	139	8.13	124	9	8.2	100	111	110	4.74	5.19	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	< 0.01
9/30/09	12.1	155	7.76	1145	--	12.2	98	108	88	6.86	10.4	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
12/1/09	7.5	114	8.23	681	--	16.4	86	206	110	4.71	18.3	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
4/27/10	7.9	173	7.4	975	--	10.8	100	92.9	170	3.54	<5	<0.4	0.0512	<0.5	<0.5	<20	<4	<3	<0.005	--
7/20/10	18.2	167	7.99	1221	15	17	91	106	130	3.63	7.05	<0.8	0.063	<0.5	<0.5	<20	<4	<3	<0.005	<0.01
10/26/10	15.2	104	8.11	228	--	8.46	90	104	200	6.11	<5	<0.8	<0.05	<0.5	0.924	<20	<4	<3	<0.005	--
3/22/11	7.6	225	7.87	234	--	14.1	100	108	80	4.07	<5	<0.8	0.095	<0.5	<0.5	<20	<4	<3	<0.005	--
5/24/11	19.7	100	8.3	206	--	1.08	93	87.4	180	1.7	5.6	<0.8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
9/20/11	17.7	157	8.13	215	--	5.69	100	115	140	3.4	<5	<0.8	<0.05	<0.5	<0.5	<20	<4	<3	<0.05	--
12/14/11	9.1	136	8.56	232	11	22.73	120J	108	130	1.69J	7.9	<0.8	0.054	<0.5J	<0.5	<20	<4	<3	<0.005	<0.01J
3/21/12	22.8	115	7.93	279	<5	9.46	110J	124	170	6.68J	5.8	<0.8J	<0.05	<0.5	<0.5J	<20	<4J	<3	<0.005J	<0.01
5/22/12	21.2	155	7.19	243	--	16.1	100	111	340	2.47	<5	<0.8	0.075	<0.5	<0.5	<20	<4	<3	<0.005	--
8/30/12	20.3	138	8.51	249	--	12	100	107	180	6.77	5.74	<8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
11/21/12	11.8	162	7.76	214	--	10.6	95	94.4	110	2.23	<5	<0.5	<0.05	<0.5	0.594	<20	<4	<3	<0.05	--
4/2/13	4.1	418	8.5	199	--	1.2	101	97.8	117	2.18	6.92	<0.1	<0.01	4.2	<0.5	<10	<2	<1	<0.02	--
7/11/13	13	336	8.13	380	8.3	<1	96	92.1	147R	2.14J	7.25J	<0.1J	<0.01J	5.79	<0.5	<10	5	0.643 J	<0.02	<0.02R
9/17/13	15.1	194	7.94	192	--	<1	86	84.5	123	2.18	6.96	<0.1	<0.01	<0.1	<0.5	<10	<2	1.26	<0.005	--
11/5/13	12.3	199	8.13	212	--	1.4	96	81.3	271	2.13	6.76	<0.1	0.069	<0.1	<1	<10	<2	<0.5	<0.005	--
5/21/14	11.69	151.3	8.09	227	--	3.47	110	79.1	121	1.8	8.8	<0.2	0.068	<0.02	<0.2	<10	<2	<1	<0.01	--
9/15/14	15.04	108.1	8.21	206	<5	38.3	99.3	82.2	90	2.1	8.3	<0.2	<0.05	<0.02J	<0.2	<10J	<2	<1	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-2A - Overburden

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	su	(uS/cm)	(su)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	30	--	702	1300	1180	156	<5	0.8	<0.1	23	31.5	127	6	42.5	0.0071	<0.01
10/1/97	--	--	--	--	60	--	784	720	986	149	<5	<0.5	0.14	9.1	21.2	136	3	24.1	0.0066	<0.01
3/22/06	4.4	140	6.4	621	--	18.6	330	241	381	23.3	4.22	0.189	0.228	10.6	10.6	<10	16	10.1	<0.005	--
5/31/06	11.6	-5	6.4	767	--	18.3	355	260	397	25.7	5.5	0.18	<0.1	18.4	14H	13.8	4.5	7.18	0.008	--
8/9/06	17.2	120	6.15	784	33	195	384	265	491	23.5	3.43	0.237	<0.1	16	16.5	27	3.4	5.67	<0.005	<0.01
10/10/06	14.2	90	6.41	1100	--	27	423	301	487	25.7	3.18	0.261	<0.1	15.1	15	15.6	<3	5.68	<0.005	--
3/20/07	9.2	136	7.31	364	--	48.9	380	225	262	21.2	<5	<0.2	<0.2	10.2	132	<20	6	6.7	<0.005	--
4/26/07	7.7	-62	7.14	450	--	30.7	320	262	355	14.7	<5	<0.2	<0.2	9.89	12.5	<20	7	4.8	0.01	--
7/31/07	18	-81	7.41	395	--	15	420	275	395	24.4	<10	<2	<0.2	14.1	16.1	46	7	7.3	<0.005	--
10/10/07	14.6	-25	7.12	574	210	5.07	290	165	284	10.6	9.93	<2	<0.2	13.5	12.6	22	<4	6.3	<0.005	<0.01
2/1/08	3.1	42	7.94	617	40	7.83	360	246	410	21	<10	<2	<0.2	8.78	10.7	23	<4	21.8	<0.005	<10
4/16/08	11.1	-48	7.81	424	--	26.8	290	203	357	13.5	<5	<200	<0.2	8.2	11.2	21	5	5.2	<0.005	--
7/23/08	19.1	-31	7.58	402	--	49.2	380	303	320	20.2	<20	<20	<0.2	11.9	12.9	36	7	6.3	<0.005	--
10/24/08	12	-34	7.63	695	--	8.52	360	343	356	15.5	<10	<20	<0.2	10.8	11.6	32	<4	6	<0.005	--
3/12/09	3.1	-34	7.63	601	--	5.6	320	229	316	13.7	<5	<2	<0.2	8.43	10.3	<20	<4	4.8	<0.005	--
6/17/09	16.5	239	6.44	413	65	40.9	360	295	220	20.5	<5	<2	<0.2	11.8	13.5	31	12	7.2	<0.005	<0.01
9/30/09	13	227	6.52	382	--	17.8	340	265	310	17.7	7.79	<2	<0.2	10.3	13.1	32	<4	5.9	<0.005	--
12/1/09	6.4	143	7.78	1406	--	19.6	280	95	230	12.5	10.2	<2	<0.2	8.75	12.5	26	<4	6.5	<0.005	--
1/28/10	4.4	148	7.53	1474	--	49.2	310	291	360	12.4	<5	<2	<0.2	8.45	11.6	41	8	5.2	<0.005	--
4/27/10	6.6	256	5.94	294	--	41.5	300	235	350	14.5	<5	<2	0.0809	8.06	11.9	23	<4	6.7	0.006	--
7/20/10	18.8	162	7.77	329	55	8.18	360	313	370	22.5	<5	<4	0.139	10.1	16.5	50	7	7.8	<0.005	<0.01
11/12/10	14	17	7.06	613	--	38.1	310	260	300	17.1	<5	<20	0.08	6.9	9.84	20	<4	6	<0.005	--
3/22/11	9.8	6	6.94	519	--	9.77	260	190	200	11.2	<5	<80	0.117	5.38	7.95	<20	<4	4.4	<0.005	--
5/24/11	17.9	-43	7.31	482	--	20.7	250	167	240	8.33	<5	<8	0.073	7.03	8.21	24	<4	<3	<0.005	--
9/20/11	18.4	-47	7.04	653	--	40.12	300	253	340	16.2	<5	<8	0.065	5.16	9.52	<20	9	5.1	<0.005	--
12/14/11	8.2	25	7.62	501	70	24.16	270J	199	260	10.2J	<5	<8	0.074	5.24J	6.86	<20	<4	3.4	<0.005	<0.01J
3/21/12	21.3	72	6.84	448	<5	25.9	260J	170	250	8.96J	<5	<8J	<0.05	5.32J	4.95J	<20	<6J	7.4	<0.005J	<0.01
5/23/12	18.9	133	6.72	515	--	27.5	250	207	290	11.6	8.79	<80	0.076	5.9	6.56	36	<4	5.5	<0.005	--
8/30/12	20.2	147	7.14	674	--	40.2	340	268	420	17.6	<5	<80	0.109	8.45	8.58	24	<4	6.9	<0.005	--
11/21/12	11.8	186	6.93	488	--	17.3	250	212	270	10.7	<5	<0.5	0.081	4.73	6.56	<20	<4	7	<0.05	--
4/2/13	4.4	176	7.07	463	--	31	198	188	218	10.8	4.55	<0.2	0.119	<0.5	4.83	<10	<2	5.98	<0.02	--
7/11/13	15	-154	6.75	9.29	14	11	232	124	306R	8.57J	4.73J	<0.1J	<0.01J	<0.5	6.92	<10	5	6.46	<0.02	<0.02R
9/17/13	13.6	164	6.62	603	--	1.5	440	691	916	116	4.78	1.36	<0.01	1.03	1.09	13	<2	8.86	0.008	--
11/5/13	11.5	383	6.58	624	--	10	207	226	294	10.7	5.93	<0.1	0.072	<0.1	6.13	14	<2	4.56	<0.005	--
3/19/14	3.44	810	6.59	599	--	1285	321	273	295	17.1	<5	<0.2	0.086	7.1	7	54.8	4.5	5.6	<0.01	--
5/21/14	10.44	30.4	6.77	600	--	1674	250	236	273	10.8	<5	<0.2	0.15	5.2	8.2	17.6	8.9B	4.6	<0.01	--
9/16/14	12.81	-38.5	6.96	777	<5	>3600	351	313	379	18.5	<5	0.31	0.081	7.2J	9.1	20.3	3.3b	5.2	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-2B - Bedrock

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	su	(uS/cm)	(su)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	5	--	577	960	1640	267	<5	1.1	<0.1	0.95	2.6	58	2	12.3	0.0044	--
10/1/97	--	--	--	--	10	--	673	900	1230	238	<5	0.9	<0.1	1.3	2	61	2	11.9	0.0039	--
3/22/06	4.5	175	6.4	1350	--	17.3	652	697	982	145	1.18	0.878	<0.1	0.389	1.31	<10	9.3	<2	<0.005	--
5/31/06	10.5	110	6.4	1560	--	19.8	670	726	1020	154	2.96	1.01	0.216	0.824	1.78H	17.2	5.1	7.76	<0.005	--
8/9/06	15.9	125	6.35	1420	<5	18.7	612	686	1040	122	<1	0.902	<0.1	0.786	1.64	24.6	3.7	4.82	<0.005	0.024
10/10/06	14.5	115	6.52	1540	--	28	646	675	980	121	<1	0.912	<0.1	0.282	1.9	27	13	7.49	0.1	--
3/20/07	9.1	136	7.14	701	--	14.2	650	723	825	167	<5	0.95	<0.2	0.921	1.84	21	<4	6.4	<0.005	--
4/26/07	8.3	-73	7.35	682	--	11	480	575	823	131	<5	<2	<0.2	0.844	1.62	<20	4	3	0.006	--
7/31/07	16.5	-77	7.37	500	--	9.48	600	716	935	163	10	<2	<0.2	1.31	1.67	<20	<4	5.7	<0.005	--
10/10/07	15.8	-34	7.35	329	15	37	640	652	868	161	<5	0.92	<0.2	1.22	1.53	<20	<4	17.2	<0.005	<0.01
2/1/08	3.2	40	8.34	339	7	41.5	640	678	840	160	<5	<2	<0.2	0.785	1.33	24	<4	82.6	<0.005	<10
4/16/08	10.3	-46	7.77	1205	--	13.5	620	654	808	132	<5	<20	<0.2	0.572	1.55	<20	5	23.2	<0.005	--
7/23/08	18.3	-38	7.73	1132	--	15.4	640	728	720	148	7.62	<2	<0.2	1.01	1.03	<20	<4	4.7	<0.005	--
10/24/08	12.9	-33	7.59	1137	--	3.14	680	788	864	162	<5	<0.2	<0.2	0.504	1.13	<20	<4	6.8	<0.005	--
3/12/09	4.9	-22	7.42	1135	--	11	650	678	872	118	<5	<0.2	<0.2	0.642	1.22	<20	<4	4.5	<0.005	--
6/17/09	15.5	237	6.43	739	8	4.17	580	782	870	159	<5	<0.2	<0.2	0.665	1.19	23	<4	5.5	<0.005	<0.01
9/30/09	13.2	229	6.47	670	--	5.88	650	755	860	150	<5	<0.2	<0.2	0.73	1.07	26	<4	4.6	<0.005	--
12/1/09	8.3	174	7.19	1978	--	14	610	608	680	140	<5	<0.2	<0.2	0.696	1.12	<20	<4	4.6	<0.005	--
1/28/10	3.7	184	6.9	1880	--	12.7	600	609	820	112	7.9	<0.2	<0.2	0.69	1.28	22	<4	3.5	<0.005	--
4/27/10	6.9	249	6.03	567	--	12	610	681	860	130	<5	<0.4	<0.05	1.18	1.55	<20	<4	5.8	0.006	--
7/20/10	19	117	7.52	391	11	17.3	630	730	790	139	<5	<4	0.071	0.812	1.37	<20	<4	5.7	<0.005	<0.01
10/26/10	15.1	153	6.75	1228	--	14.1	600	693	860	127	<5	<0.8	<0.05	<0.5	2.45	25	<4	5.4	<0.005	--
3/22/11	9.8	6	6.94	519	--	9.77	260	190	200	11.2	<5	<80	0.117	5.38	7.95	<20	<4	4.4	<0.005	--
5/24/11	17.9	-43	7.31	482	--	20.7	250	167	240	8.33	<5	<8	0.073	7.03	8.21	24	<4	<3	<0.005	--
9/20/11	18	-2	6.93	1428	--	8.77	630	773	890	108	<5	<8	<0.05	<0.5	1.95	<20	<4	5.4	<0.005	--
12/14/11	7.9	27	7.14	1363	12	18.6	570J	713	770	102J	<5R	<0.8R	0.064	<0.5J	1.46	25	<4	3.4	<0.005	<0.01J
3/21/12	18	88	6.6	1377	<5	17.6	490J	712	830	123J	<5	<0.8J	0.053	<0.5	<0.5J	<20	<4J	20.7	<0.005R	<0.01
5/23/12	18.2	161	6.12	1378	--	5.44	790	643	890	124	<5	<8	<0.05	0.76	0.811	<20	<4	14.4	<0.005	--
8/30/12	19.5	110	6.54	1390	--	5.13	670	664	940	118	<5	<8	<0.05	0.899	1.38	21	<4	6.6	<0.005	--
11/21/12	11.7	201	6.36	1376	--	15	650	730	770	120	<5	0.82	<0.05	1.21	1.66	<20	<4	<3	<0.05	--
4/2/13	5.8	301	6.94	1418	--	6.6	626	737	821	118	3.99	<0.2	<0.01	0.74	0.883	<10	<2	8.99	<0.02	--
7/11/13	14.1	332	6.68	<5	7.4	1.8	552	411	954R	>50J	4.44J	1.32J	0.157J	1.08	1.44	<10	<2	10.1	<0.02	<0.02R
9/17/13	13.5	259	6.95	1391	--	6.4	288	241	345	11.6	5.42	0.303	0.109	7.8	7.19	12	<2	8.07	0.006	--
11/5/13	11.9	305	6.76	1556	--	4.4	701	654	816	88.6	4.62	0.355	<0.01	<0.1	1.17	<10	<2	2.34	0.072	--
3/19/14	7.14	547.3	6.36	1330	--	855	684	677	812	114	<5	<0.2	<0.05	0.7	1.3	<10	<2	4.3	<0.01	--
5/21/14	10.24	55.2	6.83	1358	--	19.1	657	622	812	98.8	<5	<0.2	0.054	0.77	1.4	13.2	<2	4.6	<0.01	--
9/16/14	9.9	33	7.17	1388	<5	39.3	339	653	817	117	<5	0.84	<0.05	0.57J	1.3	16.4	<2	4.2	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-3A - Bedrock

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	su	(uS/cm)	(su)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	<5	--	145	1250	320	31.4	16	0.5	<0.1	<0.02	0.4	19	<2	4.5	0.0027	--
10/1/97	--	--	--	--	<5	--	146	200	269	28.7	13	<0.5	0.19	0.09	0.24	<15	<2	1.9	<0.001	--
3/22/06	6.4	215	7.2	286	--	58	162	153	215	14	9.14	<0.1	<0.1	0.0969	0.455	<10	<3	5.58	<0.005	--
5/31/06	11.7	45	6.9	299	--	11.9	170	179	208	12.7	11	<0.1	<0.1	<0.02	1.09H	<10	<3	<2	<0.005	--
8/9/06	15.3	115	7.01	342	<5	5.2	140	191	207	13.5	9.98	0.152	<0.1	<0.02	0.239	13	<3	<2	<0.005	<0.01
10/10/06	15.7	220	6.84	397	--	7.2	152	158	207	12.7	8.01	0.143	<0.1	<0.1	0.266	<10	<3	<2	<0.005	--
3/20/07	9.3	-50	7.82	143	--	10.6	82	74	38	3.37	<5	1.2	<0.2	1.45	4.26	47	<4	<3	<0.005	--
4/26/07	5.6	-94	7.64	898	--	19.6	59	58.1	168	1.8	<5	<2	<0.2	<0.5	1.47	<20	8	<3	<0.005	--
7/31/07	17.9	-115	7.84	1757	--	16.4	170	150	210	12	20.5	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
10/10/07	14.6	-76	8.25	939	115	13.7	130	86.2	144	5.73	<5	<2	<0.2	<0.5	<0.5	<20	<4	3.7	<0.005	<0.01
2/1/08	3.4	174	8.06	1074	15	17	110	97.7	115	2.43	<5	<2	0.338	<0.5	<0.5	23	<4	<3	<0.005	<10
4/16/08	12.1	-34	7.62	261	--	17.7	170	123	188	10.5	7.74	<0.2	<0.2	<0.5	<0.5	<20	7	<3	<0.005	--
7/23/08	20.6	-39	7.66	1759	--	17.9	91	76.7	60	1.1	19.9	<20	<0.2	<0.5	0.718	34	9	7.3	<0.005	--
10/24/08	13.5	-41	7.72	204	--	6.67	97	97.9	112	1.75	<5	<2	1.14	<0.5	<0.5	<20	<4	3.6	<0.005	--
3/12/09	4.2	-26	7.49	1069	--	10.9	18	38.1	88	1.85	7.53	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
6/17/09	14.8	359	8.16	187	7	4.55	160	196	120	9.25	11.2	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	<0.01
9/30/09	14.2	219	6.69	658	--	20.2	50	37.8	100	<1	<5	<2	<0.2	<0.5	0.786	40	8	9.2	<0.005	--
12/1/09	9.9	172	7.32	673	--	22.4	79	65.4	120	<1	<5	<2	<0.2	<0.5	1.36	35	6	5.7	<0.005	--
1/28/10	6.1	101	8.41	646	--	11	180	93.2	160	14.8	<5	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
4/27/10	7.4	263	5.83	706	--	11.8	93	58	75	1.31	<5	<0.8	<0.05	<0.5	1.14	30	10	9	0.006	--
7/20/10	17.9	173	7.8	943	35	13.9	160	194	230	7.44	12.6	<4	0.053	<0.5	1.26	27	<4	<3	<0.005	<0.01
10/26/10	15.6	74	6.9	1806	--	7.61	130	66.9	98	3.3	<5	<4	0.054	<0.5	1.83	29	7	6.6	<0.005	--
3/22/11	8.7	282	6.2	128	--	11.6	75	45.7	60	2.69	<5	<8	0.103	<0.5	<0.5	<20	<4	<3	<0.005	--
5/24/11	16.7	9	7.15	308	--	4.3	150	137	320	2.28	<5	<0.8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
9/20/11	17.4	159	7.38	361	--	4.39	180	187	260	4.03	<5	<8	<0.05	<0.5	0.508	<20	<4	3.1	<0.005	--
12/13/11	7	171	7.71	257	6	10.69	140J	122	160	3.44J	6.3	<0.8	<0.05	<0.5J	<0.5	<20	<4	<3	<0.005	<0.01J
3/20/12	17.7	194	7.27	284	11	29.9	130J	147	140	1.88J	<5	<0.8J	<0.05	<0.5	<0.5J	<20	5J	4.4	<0.005J	<0.01
5/22/12	20	153	7.07	340	--	41.7	160	146	240	1.59	<5	<8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
8/29/12	18.8	133	7.63	368	--	13.4	160	159	240	7.33	9.49	<8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
11/21/12	12.4	186	6.73	254	--	13.7	110	118	210	1.44	<5	<0.5	<0.05	<0.5	<0.5	<20	<4	<3	<0.05	--
4/2/13	6.4	342	6.88	231	--	7.1	102	88.3	102	2.8	4.42	<0.1	<0.01	<0.5	<0.5	<10	<2	3.78	<0.02	--
7/11/13	17.3	339	6.23	482	16	3	120	135	195R	1.28J	2.79J	<0.1J	<0.01J	<0.5	0.896	<10	7	9.41	<0.02	<0.02
9/17/13	15.7	211	6.56	274	--	2.9	151	137	187	1.37	3.61	<0.1	<0.01	<0.1	0.54	24	2	10.9	0.012	--
11/5/13	12.6	179	6.35	292	--	2	91	125	10200	1.35	3.79	<0.1	<0.01	<0.1	<1	<10	5	5.35	<0.005	--
3/18/14	7.87	386.8	7.23	319	--	82.1	143	179	172	4	<5	<0.2	<0.05	<0.02	0.41	12.6	<2	2.2	<0.01	--
5/21/14	9.73	-9.4	6.67	334	--	1123	139	127	172	3	<5	<0.2	<0.05	<0.02	0.52	10.7	3.6B	2.6	<0.01	--
9/16/14	13.07	56.7	6.68	309	50	24.9	162	136	202	2.6	<5	<0.2	<0.05	0.13J	1.3	36.1	2.6b	9.1	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-3B - Bedrock

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	SU	(uS/cm)	(SU)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2*	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	<5	--	235	280	349	32	13.8	<0.5	<0.1	<0.02	0.3	22	<2	7.9	2.3	--
10/1/97	--	--	--	--	<5	--	190	300	332	33.6	12.4	<0.5	<0.1	0.04	<0.2	<15	<2	3.7	1.1	--
9/20/11	17.1	158	7.68	494	--	25	240	274	310	23.7	7.9	<0.8	<0.05	<0.5	<0.5	<20	6	<3	<0.005	--
12/13/11	9.9	174	7.6	522	<5	7.59	240J	264	260	27.7J	11.5	<0.8	0.07	<0.5J	<0.5	<20	<4	<3	<0.005	<0.01J
3/20/12	15.8	203	7.04	482	<5	13.2	260J	262	250	23.8J	8.7	<0.8J	<0.05	<0.5	<0.5J	<20	<4J	4.5	<0.005J	<0.01
5/22/12	18.3	170	6.61	479	--	2.51	210	259	300	23.4	7.7	<0.8	0.07	<0.5	<0.5	<20	<4	<3	<0.005	--
8/29/12	16.5	141	7.44	458	--	7.38	200	223	310	23.4	<5	<8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
11/21/12	12.9	189	6.63	464	--	10.2	200	248	300	23.2	7.18	<0.5	<0.05	<0.5	<0.5	<20	<4	<3	<0.05	--
4/2/13	8.1	373	7.65	470	--	5.2	204	249	281	24.4	10.9	<0.2	<0.01	1.2	<0.5	<10	<2	1.74	<0.02	--
7/11/13	13.2	353	7.54	8.52	6.5	1.9	195	145	355R	21.4J	9.9J	<0.1J	<0.01J	<0.5	<0.5	<10	5	1.89	<0.02	<0.02
9/17/13	13.1	215	6.82	467	--	4.7	208	218	301	21.4	10	0.219	0.084	<0.1	<0.5	<10	<2	2.96	0.015	--
11/5/13	13.3	201	7.45	519	--	6.1	211	235	273	19.5	9.52	<0.1	<0.01	0.1	<1	<10	<2	0.894	<0.005	--
3/18/14	9.84	94.1	7.46	437	--	61.7	227	283	235	25.2	16.1	<0.2	<0.05	<0.02	<0.2	<10	<2	1.2	<0.01	--
5/21/14	12.03	112.2	7.55	450	--	83	250	213	263	24.1	15.3	<0.2	<0.05	<0.02	<0.2	<10	<2	<1	<0.01	--
9/16/14	10.72	184.6	7.95	452	<5	30.9	185	221	265	25.3	15.2	<0.2	<0.05	<0.02J	0.3	<10	<2	<1	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-4A - Bedrock

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	su	(uS/cm)	(su)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	<5	--	253	308	550	79.1	9.8	<0.5	<0.1	<0.02	0.5	37	<2	7.7	1.8	--
10/1/97	--	--	--	--	<5	--	355	464	493	74.6	11.5	<0.5	<0.1	0.2	0.4	22	<2	5.6	<1.0	--
9/20/11	17.5	174	7.36	789	--	5.86	410	496	490	23.6	10.5	<0.8	<0.05	<0.5	<0.5	<20	5	4	<0.005	--
12/13/11	8.6	174	7.48	734	6	10.34	400J	430	430	25.5J	11.1	<0.8	<0.05	<0.5J	<0.5	<20	<4	<3	<0.005	<0.01J
3/20/12	14.6	193	7.1	762	<5	35	460J	444	460	21.5J	7	<0.8J	<0.05	<0.5	<0.5J	<20	<4J	8.4	<0.005J	<0.01
5/22/12	15.8	160	6.83	714	--	7.45	350	384	490	22.3	6.5	<8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
8/29/12	17	153	7.05	818	--	15.8	450	421	520	19.4	6.99	<8	0.085	<0.5	<0.5	<20	<4	<3	<0.005	--
11/21/12	12.9	184	6.78	804	--	19.4	390	469	410	18.5	6.06	<0.5	<0.05	<0.5	<0.5	<20	<4	<3	<0.05	--
4/2/13	5.9	262	7.4	801	--	2.6	420	491	464	17.1	10.3	<0.2	<0.01	<0.5	<0.5	<10	<2	4.89	<0.02	--
7/11/13	13.9	338	7.72	630	5.6	6.8	315	237	496R	16.9J	9.11J	0.298J	0.048J	<0.5	<0.5	<10	6	3.56	<0.02	<0.02
9/17/13	14.7	207	7.19	742	--	3.6	379	394	470	17.7	9.67	0.182	<0.01	<0.1	<0.5	<10	<2	8.21	0.012	--
11/5/13	13.2	205	7.19	833	--	7.1	375	405	441	15.7	9.52	<0.1	<0.01	<0.1	<1	<10	<2	1.96	<0.005	--
3/18/14	7.68	476.1	6.97	685	--	46.6	470	461	420	18.6	11.2	<0.2	<0.05	<0.02	0.31	11.6	<2	2.3	<0.01	--
5/21/14	9.32	241.2	6.91	787	--	14.8	319	337	413	16.9	15.8	<0.2	0.068	<0.02	0.22	21.7	<2	1.3	<0.01	--
9/16/14	12.36	72.5	7.5	751	<5	12.7	300	393	453	19.7	15.5	<0.2	0.066	<0.02J	0.28	<10	<2	1.7	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-5A - Bedrock

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	SU	(uS/cm)	(SU)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	20	--	130	250	116	44.5	22	<0.5	0.8	<0.02	0.4	16	<2	2.7	1.1	--
10/1/97	--	--	--	--	<5	--	115	140	156	10.1	11.5	<0.5	<0.1	0.18	0.24	<15	<2	<1.0	<1.0	--
11/21/12	12.1	172	7.24	238	--	25.2	94	112	100	5.28	14.1	<0.5	0.08	<0.5	<0.5	<20	<4	<3	<0.05	--
4/2/13	4.5	224	8.77	226	--	1.8	104	94	163	6.09	13.5	<0.1	<0.01	<0.5	<0.5	<10	<2	0.612	<0.02	--
7/11/13	14.8	323	7.35	373	7.4	1.9	100	100	209	5.39J	11.4J	0.288J	0.102J	<0.5	<0.5	<10	6	1.58	<0.02	<0.02
9/17/13	17.1	193	7.44	261	--	3.2	123	113	151	5.61	10.9	<0.1	0.183	<0.1	<0.5	<10	<2	1.64	0.016	--
11/5/13	13.8	204	8.28	283	--	4.6	90	108	164	5.1	11.3	<0.1	0.129	<0.1	<1	<10	<2	0.685	<0.005	--
3/18/14	6.59	165.2	7.28	219	--	16.8	125	120	128	5.6	19.3	<0.2	<0.05	<0.02	0.23	<10	<2	1.4	<0.01	--
5/21/14	11.03	-31.4	8.2	248	--	12	139	105	145	6	17.7	<0.2	0.097	<0.02	<0.2	<10	<2	<1	<0.01	--
9/16/14	14.14	6.7	8.47	266	<5	8.14	129	117	154	6.9	14.8	<0.2	0.11	<0.02J	0.27	<10	2.5b	<1	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-6A - Overburden

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	SU	(uS/cm)	(SU)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	60	--	357	650	595	79.1	13.8	0.9	<0.1	1.6	1.5	94	3	14	3	<10
10/1/97	--	--	--	--	80	--	325	550	472	71.8	30.6	1	<0.1	0.02	<0.2	82	6	10.6	1.8	<10
9/20/11	17.8	125	7.04	446	--	33.14	200	208	270	21.4	10.6	<0.8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
12/13/11	9.8	156	7.87	425	200	8.52	210J	194	280	13.9J	16.1	<0.8	<0.05	<0.5J	1.12	<20	<4	<3	<0.005	<0.01J
3/20/12	23.8	193	7.38	415	<5	922	200J	197	230	8.86J	13.8	<8J	0.094	<0.5J	1.16J	<20	<6R	5.6	<0.005J	<0.01
5/22/12	18.9	133	7.35	408	--	241	130	169	310	20	13.6	<8	0.09	<0.5	1.89	<20	<4	<3	<0.005	--
8/30/12	18.4	118	6.67	491	--	71.9	180	185	390	23.8	11.4	<80	<0.05	<0.5	2.38	27	<4	<3	<0.005	--
11/21/12	13.5	186	7.1	448	--	48.7	200	214	230	12.1	13.1	<0.5	<0.05	<0.5	1.27	<20	<4	<3	<0.05	--
4/2/13	6.2	265	7.05	424	--	7.2	185	202	238	13.6	14.9	<0.1	0.1	<0.5	<0.5	<10	<2	3.56	<0.02	--
7/11/13	13.9	356	6.82	728	14	>100	152	160	293	10.2J	14J	0.401J	0.281J	<0.5	3.12	<10	2	4.91	<0.02	<0.02
9/17/13	15.3	171	7.2	393	--	9.4	301	171	231	12.4	12.8	<0.1	0.155	<0.1	1.34	<10	<2	5.3	0.009	--
11/5/13	13.2	219	6.72	446	--	79	176	174	210	11.3	12.4	<0.1	0.195	<0.1	<1	<10	<2	2.25	<0.005	--
3/17/14	7.31	354	5.63	380	--	3600	214	266	252	14.5	15	<0.2	<0.05	0.096	0.43	<10	<2	2.5	<0.01	--
5/21/14	9.02	127	6.8	408	--	--	136	226	233	6.1	17.7	<0.2	0.24	0.24	5.9	15.4	<2	2.2	<0.01	--
9/15/14	14.02	54.1	7.1	461	<5	>3600	162	213	232	30.2	17.8	<0.2	<0.05	0.091J	1.5	11.9	<2	2.2	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-6B - Bedrock

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(oC)	(mV)	su	(uS/cm)	(SU)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	<5	--	240	300	98	38.2	27.1	<0.5	0.6	0.09	0.6	40	<2	6	0.0032	--
10/1/97	--	--	--	--	20	--	224	240	280	35	22.2	<0.5	<0.1	2.5	3.3	19	2	5.8	<0.001	--
3/22/06	7.9	250	6.7	347	--	40	131	135	209	21.1	13.8	<0.1	<0.1	0.0549	0.392	<10	<3	5.22	<0.005	--
5/31/06	10.5	85	7.4	287	--	19.9	148	144	175	2.33	3.95	<0.1	<0.1	<0.02	0.904H	<10	5.1	3.14	<0.005	--
8/9/06	12.2	225	7.52	304	<5	15.8	154	131	190	2.32	3.28	0.122	<0.1	0.096	0.214	11.6	3.2	<2	<0.005	<0.01
10/10/06	14.3	180	7.11	329	--	14.2	153	133	187	3.39	6.14	<0.1	<0.1	<0.1	0.279	<10	<3	<2	<0.005	--
3/20/07	9.7	82	8.04	220	--	68.9	180	156	127	11.6	8.54	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
4/26/07	7.4	-92	7.73	249	--	8.1	160	139	105	6.99	6.79	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
7/31/07	15.6	-105	7.85	236	--	9.48	150	138	220	13.8	17.3	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
10/10/07	14.8	-57	7.82	810	6	12.5	140	124	208	25.9	12.7	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	<0.01
2/1/08	3.7	121	8.55	199	7	13.6	140	136	198	16.7	18.1	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	<10
4/16/08	10.4	-71	8.25	360	--	11.6	140	142	225	16.9	16.5	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
7/23/08	16.1	-81	8.21	343	--	2.19	110	137	116	31.1	26.8	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
10/24/08	12.6	-54	7.96	355	--	5.24	120	134	168	28.6	17.2	<2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
3/12/09	6.5	-38	7.7	327	--	9.56	120	142	188	13.3	13.2	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
6/17/09	14.1	186	7.32	187	11	3.62	140	154	190H	19.4	14.2	<2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	<0.01
9/30/09	12.7	190	7.2	1999	--	5.13	140	148	170	19.7	10.3	<0.2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
12/1/09	9	180	7.09	1108	--	13.3	140	138	130	14.7	13.5	<2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
1/28/10	4.7	102	8.35	922	--	12.5	150	163	240	13.2	13.4	<2	<0.2	<0.5	<0.5	<20	<4	<3	<0.005	--
4/27/10	8.1	222	6.54	1673	--	43.6	150	147	220	12	7.57	<1	0.0804	<0.5	0.522	<20	<4	<3	<0.005	--
7/20/10	18.2	144	7.66	249	35	4.71	140	144	200	14	11	<0.8	0.092	<0.5	<0.5	<20	<4	<3	<0.005	<0.01
10/26/10	14.6	132	7.39	342	--	16	160	147	190	16	11.2	<1.6	0.051	<0.5	0.799	<20	<4	<3	<0.005	--
3/22/11	9.8	102	7.41	372	--	10.8	130	145	160	11.9	15	<0.8	0.47	<0.5	<0.5	<20	<4	<3	<0.005	--
5/24/11	15.7	88	7.75	399	--	7.65	150	153	250	16.4	19.2	<0.8	0.058	<0.5	<0.5	<20	<4	<3	<0.005	--
9/20/11	16.7	133	7.34	355	--	6.94	160	172	230	12.7	18.7	<0.8	0.056	<0.5	<0.5	<20	<4	<3	<0.005	--
12/13/11	10.6	153	8.25	387	5	4.1	180J	166	200	19.4J	18.6	<0.8	0.087	<0.5J	0.546	<20	<4	<3	<0.005	<0.01J
3/20/12	18.5	190	7.3	344	<5	6.83	140J	146	170	16.2J	21.5	<0.8J	0.073	<0.5	<0.5J	<20	<4J	<3	<0.005J	<0.01
5/22/12	17.7	139	7.29	363	--	17.1	190	150	240	10.1	17.9	<80	0.081	<0.5	<0.5	<20	<4	<3	<0.005	--
8/30/12	18.7	119	6.72	377	--	4.95	140	151	270	23.3	16.7	<8	<0.05	<0.5	<0.5	<20	<4	<3	<0.005	--
11/21/12	12.7	184	7.03	376	--	14.5	140	168	220	17.3	20.7	<0.5	0.065	<0.5	<0.5	<20	<4	<3	<0.05	--
4/2/13	6.4	259	7.82	349	--	9.4	155	154	192	8.22	10.2	<0.1	0.053	<0.5	<0.5	<10	<2	1.09	<0.02	--
7/11/13	12.3	88	7.9	475	8.3	3.2	149	138	272	11.4J	16.7J	<0.1J	0.076J	<0.5	<0.5	<10	<2	1.73	<0.02	<0.02
9/17/13	13.1	153	7.45	389	--	11	153	153	207	17.1	13.5	<0.1	0.085	<0.1	<0.5	<10	<2	3.27	0.013	--
11/5/13	13.2	215	6.95	398	--	6.7	151	143	201	13.4	12.3	<0.1	0.084	<0.1	<1	<10	<2	1.03	<0.005	--
3/17/14	7.58	502	5.93	317	--	11.4	154	152	238	26.3	21.2	<0.2	<0.05	<0.02	<0.2	<10	<2	1.3	<0.01	--
5/21/14	10.36	131.1	7.13	354	--	29.7	203	140	188	17.4	37.6	<0.2	0.098	<0.02	<0.2	<10	<2	<1	<0.01	--
9/15/14	11.47	138.9	7.18	372	<5	30.1	173	157	193	23.6	17.9	<0.2	<0.05	<0.02J	0.58	<10J	<2	1.6	<0.01	<0.01

Historical Water Quality Database - Towslee Landfill

Field and Inorganic Parameters

Well MW-7A - Overburden

Analyte	Temp	Eh	pH	Sp. Conduct	Color	Turbidity	ALK as CaCO3	HARD as CaCO3	TDS	Chloride	Sulfate	Bromide	NO3 (As N)	NH4 (As N)	TKN (as N)	COD	BOD	TOC	Phenolics, Tot	Cyanide
Units	(°C)	(mV)	su	(µS/cm)	(SU)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
Water Quality Standard	--	--	6.5 to 8.5	--	15	5	--	--	500	250	250	2	10	2 *	--	--	--	--	0.001	0.2
8/1/97	--	--	--	--	20	--	569	1010	1220	300	27.4	0.6	<0.1	0.93	1.1	43	<2	10.1	0.0051	<0.01
10/1/97	--	--	--	--	5	--	660	1150	1240	276	20.2	<0.5	0.2	0.89	1.4	112	2	12.6	0.0027	<0.01
3/22/06	4.5	215	6.5	1360	--	214	648	627	981	144	20.6	0.753	<0.1	0.34	1.5	21.2	<3	12.8	<0.005	--
5/31/06	11.6	120	6.4	1520	--	18	675	599	967	143	22.5	0.633	<0.1	<0.02	1.68H	16.5	<3	8.19	0.007	--
8/9/06	17.4	245	6.34	1440	<5	13.6	595	531	963	119	19.7	0.822	<0.1	<0.02	0.75	26.4	<3	6.12	<0.005	<0.01
10/10/06	13.9	190	6.62	1480	--	42	635	526	949	85	14.1	0.483	<0.1	<0.1	1.11	20.5	<3	7.46	<0.005	--
3/20/07	9.3	77	7.04	893	--	45.3	640	529	753	145	16.5	0.6	<0.2	<0.5	1.47	27	<4	8.1	<0.005	--
4/26/07	7.8	-64	7.12	765	--	54.3	510	499	865	131	23.2	<0.2	<0.2	<0.5	3.6	<20	<4	6	0.006	--
7/31/07	18.8	-69	7.2	514	--	40.9	530	481	3000	145	22.7	<2	<0.2	<0.5	0.784	<20	<4	7.2	0.007	--
10/10/07	15.2	-24	7.11	972	85	48.1	540	459	752	141	17.8	<2	<0.2	<0.5	0.591	<20	<4	11.5	<0.005	<0.01
2/1/08	2	245	7.77	561	7	39.3	570	528	800	141	12.2	<2	<0.2	<0.5	0.522	<20	<4	69.9	<0.005	<10
4/16/08	9.8	-37	7.63	1174	--	44.4	560	506	1560	1260	<20	<200	0.25	<0.5	0.949	36	<4	17.8	<0.005	--
7/23/08	18.6	-42	7.73	618	--	41.6	600	538	668	136	21	<20	<0.2	<0.5	<0.5	22	<4	5.2	<0.005	--
10/24/08	11.1	-41	8.09	214	--	42.7	670	569	728	135	16.1	<20	<0.2	<0.5	<0.5	29	<4	6.1	<0.005	--
3/12/09	4.2	-19	7.35	1014	--	40.9	500	496	748	114	21	<0.2	<0.2	<0.5	1.92	<20	<4	5.1	<0.005	--
6/17/09	16	219	6.77	622	80	375	500	534	720	128	22.3	<0.2	<0.2	<0.5	0.851	38	<4	5.7	<0.005	<0.01
9/30/09	12.6	194	7.12	644	--	33.5	480	499	620	120	19.5	<2	<0.2	<0.5	0.927	37	<4	5	<0.005	--
12/1/09	8.1	141	7.86	217	--	40.1	520	473	640	117	23.1	<2	<0.2	<0.5	0.599	21	<4	5.2	<0.005	--
1/28/10	5.2	192	6.73	260	--	23.6	600	508	520	104	19.2	<2	<0.2	<0.5	1.02	33	<4	4.9	<0.005	--
4/27/10	7.3	246	6.13	483	--	31.4	500	435	730	89.1	22.5	<1	<0.05	<0.5	1.4	28	<4	6.7	<0.005	--
7/20/10	19	149	7.89	412	8	20.1	510	520	690	128	25.2	<4	0.059	<0.5	1.27	31	<4	6	<0.005	<0.01
10/26/10	14.5	155	6.87	1133	--	328	520	507	710	115	23.9	<8	<0.05	<0.5	2.15	40	<4	6.1	<0.005	--
3/22/11	9	260	6.78	1184	--	20.7	600	484	660	95.7	21.7	<80	0.103	<0.5	0.639	28	<4	5.1	<0.005	--
5/24/11	18.3	135	7.02	1179	--	69.2	510	465	710	99	18.7	<8	<0.05	<0.5	<0.5	33	<4	4.8	<0.005	--
9/20/11	18	166	6.92	1236	--	169	560	585	750	100	18.8	<8	0.081	<0.5	1.03	29	<4	6.1	<0.005	--
12/13/11	8.6	185	7.26	1127	7	36.38	550J	505	620	108J	21.6	<8	0.063	<0.5J	2.19	40	<4	4.1	<0.005	<0.01J
3/21/12	18	172	6.74	1172	6	24.6	500J	524	1000	99.4J	21.9	<80J	<0.05	<0.5	<0.5J	22	<4J	15.1	<0.005J	<0.01
5/22/12	15.8	184	6.36	1085	--	>1000 E	520	449	630	99.5	20	<80	<0.05	<0.5	<0.5	22	<4	7.3	<0.005	--
8/30/12	19.5	170	6.97	1134	--	40.9	490	431	750	103	17.8	<80	<0.05	<0.5	0.627	21	<4	6.7	<0.005	--
11/21/12	10.1	203	6.31	1122	--	28	510	515	480	98.6	18.2	<0.5	<0.05	<0.5	0.608	<20	<4	4.2	<0.05	--
4/2/13	3.2	273	7.42	1172	--	9.8	504	518	691	93.7	21.4	<0.2	<0.01	<0.5	<0.5	<10	<2	8.17	<0.02	--
7/11/13	14.2	314	7.19	<5	<5	22	428	271	812	>50J	17.4J	0.159J	<0.01J	<0.5	0.634	<10	<2	6.56	<0.02R	<0.02
9/17/13	14.6	221	7.21	1027	--	6.7	465	446	613	80.6	17.8	0.354	<0.01	<0.1	<0.5	13	<2	14.3	0.007	--
11/5/13	12	209	6.86	1234	--	23	411	426	641	72.4	17.8	<0.1	<0.01	<0.1	<1	12	<2	2.96	<0.005	--
5/21/14	11.05	202.5	6.96	1099	--	99.7	520	414	645	73.5	31.6	<0.2	0.055	0.027	0.62	17.3	<2	4.8	<0.01	--
9/16/14	11.53	101	7	1128	<5	>3600	388	506	649	78.3	33.1	0.92	<0.05	0.091J	1.4	19	<2	4.3	<0.01	<0.01

Historical Water Quality Data - Towslee Landfill
CD-1 Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
9/20/11	--	--	--	--	--	--	<0.005	45.2	--	--	--	--	0.126	<0.003	9.04	0.18	--	--	<5	<5	--	--	--	--	--
12/13/11	0.383	<0.005J	<0.005J	0.077	<0.003	<0.5	<0.005	41.6	<0.01	<0.01	<0.02	<0.01	0.688	<0.003J	10.1	0.256	<0.0002	<0.03	<5	<5	<0.003J	<0.01	<0.003J	<0.03	<0.01
3/20/12	1.32	<0.005	<0.005	0.106	<0.003	<0.5	<0.005	40.7	<0.01	<0.01	<0.02	<0.01	2.04J	<0.003	10.3	1.62	<0.0002	<0.03	<5	<5	<0.003	<0.01J	<0.003	<0.03	0.0119
5/22/12	--	--	--	--	--	--	<0.005	41.2	--	--	--	--	2.34	<0.003	10.5	1.3	--	--	<5	<5	--	--	--	--	--
8/29/12	--	--	--	--	--	--	<0.005	34.7	--	--	--	--	0.15	<0.003	7.92	0.0614	--	--	<5	<5	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	45.2	--	--	--	--	0.366	<0.015	11	0.439	--	--	<5	<5	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	44.9	--	--	--	--	<0.2	<0.05	9.06	0.27	--	--	0.99	4.4	--	--	--	--	--
7/11/13	0.73	<0.005	<0.005	<0.1	<0.003	<0.5	<0.05	26.6R	<0.005	<0.005J	<0.05	<0.05	1.3	<0.005	5.38	1.4	<0.0002	<0.05	3	4.3	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	37.2	--	--	--	--	<0.2	0.019	7.81	0.063	--	--	1.4	3.8	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	37.4	--	--	--	--	<0.2	<0.005	8.53	0.22	--	--	1.3	3.9	--	--	--	--	--
3/18/14	--	--	--	--	--	--	<0.002	56.8	--	--	--	--	10.8	<0.01	12.8	7	--	--	2.7	4.1	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	65.6	--	--	--	--	20	0.011	14.2	5.5	--	--	4.3	4	--	--	--	--	--
9/15/14	8.7	<0.02	<0.015	0.17	<0.002	<0.02	<0.002	44.6	0.012	<0.01	0.0043	0.019	9.4	0.011	12.3	1.8	<0.0002	0.01	3.4	7.8	<0.025	<0.006	<0.02	0.013	0.033

Historical Water Quality Data - Towslee Landfill
CD-1RA Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	0.587	0.0035B	0.0032B	0.168B	<0.0001	0.0227B	<0.0003	41.5	0.0042B	NA	<0.0011	0.004B	1.01	0.0017B	9.5	0.19	NA	<0.0013	1.01B	5.41	NA	NA	<0.0026	<0.0012	0.024
10/1/97	5.24	0.0031B	0.004B	0.229	0.0011B	0.0253B	0.0011B	45.7	0.0089B	NA	0.0053B	0.0085B	10.3	0.0049	10.4	0.352	NA	0.0104B	1.91B	4.76B	NA	NA	<0.0026	0.0086B	0.0366
9/20/11	--	--	--	--	--	--	<0.005	41	--	--	--	--	0.662	<0.003	7.95	0.119	--	--	<5	<5	--	--	--	--	--
12/13/11	1.7	<0.005J	<0.005J	0.2	<0.003	<0.5	<0.005	44.1	<0.01	<0.01	<0.02	<0.01	2.75	<0.003J	10.8	0.211	<0.0002	<0.03	<5	6.69	<0.003J	<0.01	<0.003J	<0.03	0.0146
3/20/12	0.145	<0.005	<0.005	0.243	<0.003	<0.5	<0.005	47.1	<0.01	<0.01	<0.02	<0.01	0.248J	<0.003	11.4	0.188	<0.0002	<0.03	<5	6.24	<0.003	<0.01J	<0.003	<0.03	<0.01
5/22/12	--	--	--	--	--	--	<0.005	43.1	--	--	--	--	0.509	<0.003	11.5	0.23	--	--	<5	5.26	--	--	--	--	--
8/29/12	--	--	--	--	--	--	<0.005	38.5	--	--	--	--	0.15	<0.003	9.47	0.139	--	--	<5	<5	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	44.3	--	--	--	--	0.136	<0.015	11	0.18	--	--	<5	5.25	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	37.2	--	--	--	--	<0.2	<0.05	6.14	<0.05	--	--	0.98	5	--	--	--	--	--
7/11/13	1.5	<0.005	<0.005	0.15	<0.003	<0.5	<0.05	39.9R	0.0084	<0.005J	<0.05	<0.05	2.9	<0.005	9.25	0.13	<0.0002	<0.05	1.5	5.2	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	42.6	--	--	--	--	1.1	0.013	9.39	0.12	--	--	0.99	5.2	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	42.2	--	--	--	--	4.5	0.0099	10.6	0.2	--	--	1.6	5	--	--	--	--	--
3/18/14	--	--	--	--	--	--	0.0025	169	--	--	--	--	97.7	0.39	49.1	4.2	--	--	9.3	5.7	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	127	--	--	--	--	96.9	0.24	44.7	3.1	--	--	9.7	5.1	--	--	--	--	--
9/15/14	7.8	<0.02	<0.015	0.23	<0.002	<0.02	<0.002	48.3	0.0091	<0.01	0.0047	0.01	10.3	0.025	14.7	0.47	<0.0002	0.012	2.6	5.4	<0.025	<0.006	<0.02	0.011	0.035

Historical Water Quality Data - Towslee Landfill
MW-1A Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	724	<0.003	0.353	8.11	0.0287	0.0873B	<0.0003	430	1.04	--	0.59	0.996	1550	0.454	309	24.6	0.0014	1.33	77.5	37.3	<0.028	<0.009	<0.026	0.856	3.36
10/1/97	16.9	<0.003	0.0134	0.258	0.00083B	0.0665B	<0.0003	48.6	0.0265	--	0.0168B	0.0254	35.7	0.0123	15.6	0.783	<0.0001	0.0364B	6.97	26	<0.0028	<0.0009	<0.0026	0.0243B	0.0874
3/22/06	--	--	--	--	--	--	<0.005	46.2	--	--	--	--	19.4	0.00716	12.6	0.534	--	--	2.72	17.1	--	--	--	--	--
5/31/06	--	--	--	--	--	--	<0.005	41.8	--	--	--	--	2.99	0.007	8.67	0.194	--	--	1.6	13	--	--	--	--	--
8/9/06	2.96	<0.05	<0.025	0.104	<0.005	0.073	<0.005	43.2	<0.005	<0.02	<0.015	0.022	6.03	<0.005	9.7	0.38	<0.0004	<0.01	1.7	13.6	<0.02	<0.015	<0.03	<0.015	0.106
10/10/06	--	--	--	--	--	--	<0.005	43.9	--	--	--	--	2.11	<0.005	9.43	0.306	--	--	1.62	13.5	--	--	--	--	--
3/20/07	--	--	--	--	--	--	<0.005	39.2	--	--	--	--	1.67	<0.003	8.87	0.19	--	--	1.74	12.2	--	--	--	--	--
4/26/07	--	--	--	--	--	--	<0.005	44.5	--	--	--	--	2.14	<0.003	10.2	0.193	--	--	2.31	12.5	--	--	--	--	--
7/31/07	--	--	--	--	--	--	<0.005	43.5	--	--	--	--	1.21	<0.003	9.67	0.206	--	--	1.59	13	--	--	--	--	--
10/10/07	2.07	<0.015	<0.01	0.0917	<0.003	<0.5	<0.005	42.2	<0.005	<0.01	<0.02	<0.01	3.49	<0.003	9.8	0.203	<0.0002	<0.03	2.06	11.8	<0.005	<0.01	<0.01	<0.03	0.0235
4/16/08	--	--	--	--	--	--	<0.005	43.2	--	--	--	--	1.17	<0.003	10.6	0.157	--	--	1.65	12.5	--	--	--	--	--
7/23/08	--	--	--	--	--	--	<0.005	46.2	--	--	--	--	0.217	<0.003	10.7	0.135	--	--	1.51	13.8	--	--	--	--	--
10/24/08	--	--	--	--	--	--	<0.005	48.3	--	--	--	--	0.429	<0.003	10.8	0.151	--	--	1.69	13.2	--	--	--	--	--
3/12/09	--	--	--	--	--	--	<0.005	47.2	--	--	--	--	0.818	<0.003	10.6	0.0917	--	--	1.52	13.4	--	--	--	--	--
6/17/09	1.57	<0.015	<0.01	0.0732	<0.003	<0.5	<0.005	47	<0.005	<0.01	<0.02	<0.01	1.65	<0.003	11.1	0.169	<0.0002	<0.03	1.78	13.9	<0.005	<0.01	<0.01	<0.03	<0.01
9/30/09	--	--	--	--	--	--	<0.005	46.5	--	--	--	--	0.348	<0.003	10	0.155	--	--	<1	12.5	--	--	--	--	--
12/1/09	--	--	--	--	--	--	<0.005	45	--	--	--	--	6.19	<0.003	11.9	0.251	--	--	<5	12.6	--	--	--	--	--
4/27/10	--	--	--	--	--	--	<0.005	47	--	--	--	--	0.484	<0.003	10.5	0.118	--	--	<5	12.8	--	--	--	--	--
7/20/10	0.142	<0.005	<0.005	0.0757	<0.003	<0.5	<0.005	48.9	<0.01	<0.01	<0.02	<0.01	0.219	<0.003	10.8	0.156	<0.0002	<0.03	<5	13.2	<0.003	<0.01	<0.003	<0.03	<0.01
10/26/10	--	--	--	--	--	--	<0.005	49	--	--	--	--	1.99	<0.003	11.3	0.329	--	--	<5	15.3	--	--	--	--	--
3/22/11	--	--	--	--	--	--	<0.005	45.6	--	--	--	--	1.47	<0.003	11	0.236	--	--	<5	13.6	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	46.9	--	--	--	--	3.13	<0.003	11.5	0.215	--	--	<5	13.1	--	--	--	--	--
9/20/11	--	--	--	--	--	--	<0.005	51.5	--	--	--	--	0.872	<0.003	10.5	0.139	--	--	<5	13.2	--	--	--	--	--
12/14/11	0.711	<0.005J	<0.005J	0.0774	<0.003	<0.5	<0.005	51	<0.01	<0.01	<0.02	<0.01	0.987	<0.003J	12	0.119	<0.0002	<0.03	<5	14.9	<0.003J	<0.01	<0.003J	<0.03	<0.01
3/21/12	19.1	<0.005	0.0115J	0.273	<0.003	<0.5	<0.005	58.2	0.0267	<0.01	<0.02	0.0218	33.7J	0.0108	19.3	0.691	<0.0002	0.0409	<5	15.6	<0.003	<0.01J	<0.003	<0.03	0.0792
5/22/12	--	--	--	--	--	--	<0.005	49.4	--	--	--	--	1.65	<0.003	12.6	0.121	--	--	<5	12.6	--	--	--	--	--
8/30/12	--	--	--	--	--	--	<0.005	42.8	--	--	--	--	0.702	<0.003	9.95	0.0453	--	--	<5	10.4	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	47.9	--	--	--	--	0.844	<0.015	11.8	0.121	--	--	<5	12.3	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	56.1	--	--	--	--	4	<0.05	11.4	0.61	--	--	1.3	13	--	--	--	--	--
7/11/13	6.4	<0.005	<0.005	0.16	<0.003	<0.5	<0.05	47R	0.0093	<0.005J	<0.05	<0.05	13	0.005	12.3	2.4	<0.0002	<0.05	2.4	11	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	46.7	--	--	--	--	0.56	0.0021	9.79	<0.05	--	--	1.3	12	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	45.1	--	--	--	--	1.1	<0.005	10.3	0.064	--	--	1.4	12	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	68.4	--	--	--	--	103	0.044	32.1	2.5	--	--	12.1	11.6	--	--	--	--	--
9/16/14	24.5	<0.02	0.015	0.3	<0.002	0.034	<0.002	53.1	0.03	<0.01	0.015	0.022	35.2	0.012	18.2	1.2	<0.0002	0.037	6.7	12.4	<0.025	<0.006	<0.02	0.034	0.076

Historical Water Quality Data - Towslee Landfill
MW-1B Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	0.662	<0.003	<0.0024	0.168B	0.0001B	0.0197B	<0.0003	26.7	0.002B	--	<0.0011	0.004B	1.33	<0.001	6.47	0.195	--	<0.0013	1.56B	7.38	--	--	<0.0026	<0.0012	0.0351
10/1/97	0.134B	<0.003	<0.0024	0.154B	<0.0001	0.0247B	<0.0003	24.7	<0.0004	--	<0.0011	0.0025B	0.226	<0.001	5.84	0.146	--	<0.0013	0.529B	6.18	--	--	<0.0026	<0.0012	0.0163B
3/22/06	--	--	--	--	--	--	<0.005	26.8	--	--	--	--	9.42	<0.005	7.46	2.28	--	--	0.973	6.31	--	--	--	--	--
5/31/06	--	--	--	--	--	--	<0.005	23.9	--	--	--	--	1.48	<0.005	5.39	0.191	--	--	0.468	5.22	--	--	--	--	--
8/9/06	1.09	<0.05	<0.025	0.194	<0.005	<0.05	<0.005	25.8	<0.005	<0.02	<0.015	0.017	1.84	<0.005	6.05	0.251	<0.0004	<0.01	0.523	6.35	<0.02	<0.015	<0.03	<0.015	0.052
10/10/06	--	--	--	--	--	--	<0.005	24.1	--	--	--	--	0.273	<0.005	5.31	0.126	--	--	0.374	5.92	--	--	--	--	--
3/20/07	--	--	--	--	--	--	<0.005	23.7	--	--	--	--	2.39	0.00431	5.94	0.521	--	--	<1	5.22	--	--	--	--	--
4/26/07	--	--	--	--	--	--	<0.005	30	--	--	--	--	0.508	<0.003	7.4	0.169	--	--	<1	6.82	--	--	--	--	--
7/31/07	--	--	--	--	--	--	<0.005	29.9	--	--	--	--	0.465	<0.003	7.12	0.19	--	--	<1	7.1	--	--	--	--	--
10/10/07	0.537	<0.015	<0.01	0.172	<0.003	<0.5	<0.005	26	<0.005	<0.01	<0.02	<0.01	0.73	<0.003	6.28	0.176	<0.0002	<0.03	<1	5.84	<0.005	<0.01	<0.01	<0.03	0.0168
2/1/08	0.518	<0.015	<0.01	0.199	<0.003	<0.5	<0.005	25.1	<0.005	<0.01	<0.02	<0.01	1	<0.003	6.44	0.26	<0.0002	<0.03	<1	5.66	<0.005	<0.01	<0.01	<0.03	0.0112
4/16/08	--	--	--	--	--	--	<0.005	28.6	--	--	--	--	1.38	<0.003	7.58	0.198	--	--	<1	6.73	--	--	--	--	--
7/23/08	--	--	--	--	--	--	<0.005	30.2	--	--	--	--	0.185	<0.003	7.74	0.169	--	--	<1	7.29	--	--	--	--	--
10/24/08	--	--	--	--	--	--	<0.005	30	--	--	--	--	0.174	<0.003	7.28	0.153	--	--	<1	6.81	--	--	--	--	--
3/12/09	--	--	--	--	--	--	0.00542	27.7	--	--	--	--	2.92	<0.003	6.76	0.223	--	--	<1	6.37	--	--	--	--	--
6/17/09	0.255	<0.03	<0.01	0.232	<0.003	<0.5	<0.005	31.4	<0.01	<0.01	<0.02	<0.01	0.523	<0.003	7.83	0.25	<0.0002	<0.03	<1	8.15	<0.005	<0.01	<0.01	<0.03	<0.01
9/30/09	--	--	--	--	--	--	<0.005	31.1	--	--	--	--	0.115	<0.003	7.34	0.149	--	--	<1	7.32	--	--	--	--	--
12/1/09	--	--	--	--	--	--	<0.005	58.7	--	--	--	--	6.72	<0.003	14.4	9.34	--	--	8.56	14.9	--	--	--	--	--
4/27/10	--	--	--	--	--	--	<0.005	26.5	--	--	--	--	0.423	<0.003	6.49	0.13	--	--	<5	6.29	--	--	--	--	--
7/20/10	<0.1	<0.005	<0.005	0.204	<0.003	<0.5	<0.005	30.3	<0.01	<0.01	<0.02	<0.01	0.159	<0.003	7.27	0.188	<0.0002	<0.03	<5	7.12	<0.003	<0.01	<0.003	<0.03	<0.01
10/26/10	--	--	--	--	--	--	<0.005	29.7	--	--	--	--	1.02	<0.003	7.29	0.153	--	--	<5	8.95	--	--	--	--	--
3/22/11	--	--	--	--	--	--	<0.005	30.5	--	--	--	--	1.19	<0.003	7.75	0.269	--	--	<5	7.99	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	24.9	--	--	--	--	<0.06	<0.003	6.14	0.24	--	--	<5	6.48	--	--	--	--	--
9/20/11	--	--	--	--	--	--	<0.005	34.3	--	--	--	--	0.121	<0.003	7.05	0.275	--	--	<5	27	--	--	--	--	--
12/14/11	0.305	<0.005J	<0.005J	0.185	<0.003	<0.5	<0.005	30.8	<0.01	<0.01	<0.02	<0.01	0.341	<0.003J	7.66	0.0807	<0.0002	<0.03	<5	8.23	<0.003J	<0.01	<0.003J	<0.03	<0.01
3/21/12	0.141	<0.005	<0.005	0.222	<0.003	<0.5	<0.005	35	<0.01	<0.01	<0.02	<0.01	0.238J	<0.003	8.85	0.223	<0.0002	<0.03	<5	9.91	<0.003	<0.01J	<0.003	<0.03	<0.01
5/22/12	--	--	--	--	--	--	<0.005	30.4	--	--	--	--	3.2	0.00423	8.66	0.232	--	--	<5	7.92	--	--	--	--	--
8/30/12	--	--	--	--	--	--	<0.005	30.4	--	--	--	--	0.39	<0.003	7.48	0.148	--	--	<5	7.34	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	26.5	--	--	--	--	1.3	<0.015	6.9	0.195	--	--	<5	6.54	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	29.3	--	--	--	--	0.61	<0.05	6	5.1	--	--	0.5	6.8	--	--	--	--	--
7/11/13	<0.2	<0.005	<0.005	0.17	<0.003	<0.5	<0.05	26.7R	<0.005	<0.005J	<0.05	<0.05	<0.2	<0.005	6.18	0.23	<0.0002	<0.05	0.57	6.5	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	24.7	--	--	--	--	<0.2	<0.001	5.53	0.053	--	--	0.53	6	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	23.4	--	--	--	--	<0.2	<0.005	5.55	1.4	--	--	0.5	5.6	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	22.6	--	--	--	--	0.26	<0.01	5.5	0.41	--	--	<0.5	5.4	--	--	--	--	--
9/15/14	0.32	<0.02	<0.015	0.19	<0.002	<0.02	<0.002	22.9	<0.004	<0.01	<0.004	<0.01	0.54	<0.01	6.1	1.2	<0.0002	<0.01	0.56	5.4	<0.025	<0.006	<0.02	<0.005	<0.01

Historical Water Quality Data - Towslee Landfill
MW-2A Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	79.3	0.0049B	0.0631	1.75	0.0037B	1.21	<0.0003	186	0.112	--	0.0719	0.104	154	0.0561	61.6	35.7	<0.0001	0.151	23.4	119	<0.0028	0.0024B	0.004B	0.102	0.4
10/1/97	59.1	<0.003	0.0537	1.49	0.0025B	0.961	0.0016B	172	0.0967	--	0.0628	0.0779	131	0.0436	53.6	31.6	<0.0001	0.132	17	102	<0.0028	0.0014B	<0.0026	0.0866	0.278
3/22/06	--	--	--	--	--	--	<0.005	69.1	--	--	--	--	8.29	<0.005	16.6	12.2	--	--	9.29	26.3	--	--	--	--	--
5/31/06	--	--	--	--	--	--	<0.005	74.1	--	--	--	--	24	0.019	18.3	11.5	--	--	11.2	25.2	--	--	--	--	--
8/9/06	0.43	<0.05	<0.025	0.502	<0.005	0.584	<0.005	77.3	<0.005	<0.02	<0.015	0.012	6.5	<0.005	17.5	12	<0.0004	<0.01	12.3	31.4	<0.02	<0.015	<0.03	<0.015	<0.01
10/10/06	--	--	--	--	--	--	<0.005	88.5	--	--	--	--	10.1	0.006	19.4	13.6	--	--	12.7	31.4	--	--	--	--	--
3/20/07	--	--	--	--	--	--	<0.005	64.2	--	--	--	--	10.8	0.00524	15.7	9.93	--	--	9.02	19.5	--	--	--	--	--
4/26/07	--	--	--	--	--	--	<0.005	75.3	--	--	--	--	6.86	<0.003	17.9	11.7	--	--	10.8	22.9	--	--	--	--	--
7/31/07	--	--	--	--	--	--	<0.005	80.4	--	--	--	--	7.67	<0.003	18	12.7	--	--	13.3	26.1	--	--	--	--	--
10/10/07	0.444	<0.015	<0.01	0.265	<0.003	<0.5	<0.005	47.9	<0.005	<0.02	<0.02	<0.01	4.95	<0.003	11	7.05	<0.0002	<0.03	2.14	13.8	<0.005	<0.01	<0.01	<0.03	<0.01
2/1/08	1.98	<0.015	0.0145	0.377	<0.003	<0.5	<0.005	70.3	0.0177	<0.05	<0.02	<0.01	9.77	<0.003	17.1	11.2	<0.0002	<0.03	8.56	19.2	<0.005	<0.01	<0.01	<0.03	0.0101
4/16/08	--	--	--	--	--	--	<0.005	57.5	--	--	--	--	4.1	<0.003	14.3	9.3	--	--	7.56	16.5	--	--	--	--	--
7/23/08	--	--	--	--	--	--	<0.005	87.8	--	--	--	--	10.6	0.0039	20.3	13.8	--	--	12.3	25.6	--	--	--	--	--
10/24/08	--	--	--	--	--	--	<0.005	99	--	--	--	--	9.51	<0.003	23.1	15.1	--	--	15.1	25.9	--	--	--	--	--
3/12/09	--	--	--	--	--	--	<0.005	66.7	--	--	--	--	7.77	<0.003	15.1	10.7	--	--	7.48	17.8	--	--	--	--	--
6/17/09	<0.1	<0.03	<0.01	0.471	<0.003	<0.5	<0.005	87.1	<0.01	<0.01	<0.02	<0.01	8.28	<0.003	18.8	12.8	<0.0002	<0.03	12.4	23.8	<0.005	<0.01	<0.01	<0.03	<0.01
9/30/09	--	--	--	--	--	--	<0.005	78.6	--	--	--	--	5.21	<0.003	16.8	11.4	--	--	13.6	21.1	--	--	--	--	--
12/1/09	--	--	--	--	--	--	<0.005	26.5	--	--	--	--	0.827	<0.003	7.01	0.144	--	--	<5	6.59	--	--	--	--	--
1/28/10	--	--	--	--	--	--	<0.005	71.1	--	--	--	--	64.2	0.0187	27.6	11.6	--	--	12.8	15.5	--	--	--	--	--
4/27/10	--	--	--	--	--	--	<0.005	68.7	--	--	--	--	6.1	<0.003	15.4	9.79	--	--	9.42	16.3	--	--	--	--	--
7/20/10	3.37	<0.005	<0.005	0.545	<0.003	<0.5	<0.005	91.2	<0.01	<0.01	<0.02	<0.01	13	<0.003	20.6	12.2	<0.0002	<0.03	14.3	21.9	<0.003	<0.01	<0.003	<0.03	0.0269
11/12/10	--	--	--	--	--	--	<0.005	74.6	--	--	--	--	9.73	<0.003	17.9	11.1	--	--	11.9	19	--	--	--	--	--
3/22/11	--	--	--	--	--	--	<0.005	54.9	--	--	--	--	4.73	<0.003	12.9	8.18	--	--	7.2	13.5	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	48.7	--	--	--	--	4.27	<0.003	11	7.05	--	--	7.47	12.5	--	--	--	--	--
3/22/11	--	--	--	--	--	--	<0.005	54.9	--	--	--	--	4.73	<0.003	12.9	8.18	--	--	7.2	13.5	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	48.7	--	--	--	--	4.27	<0.003	11	7.05	--	--	7.47	12.5	--	--	--	--	--
9/20/11	--	--	--	--	--	--	<0.005	76.9	--	--	--	--	5.34	<0.003	14.8	9.08	--	--	11.4	22.1	--	--	--	--	--
12/14/11	0.317	<0.005J	<0.005J	0.269	<0.003	<0.5	<0.005	58.1	<0.01	<0.01	<0.02	<0.01	5.42	<0.003J	13.1	7.78	<0.0002	<0.03	7.62	13.6	<0.003J	<0.01	<0.003J	<0.03	<0.01
3/21/12	0.323	<0.005	0.00679BJ	0.259	<0.003	<0.5	<0.005	49.6	<0.01	<0.01	<0.02	<0.01	2.9J	<0.003	11.2	6.81	<0.0002	<0.03	6.33	11	<0.003	<0.01J	<0.003	<0.03	<0.01
5/23/12	--	--	--	--	--	--	<0.005	59.2	--	--	--	--	3.15	<0.003	14.4	8.49	--	--	8.15	11.9	--	--	--	--	--
8/30/12	--	--	--	--	--	--	<0.005	78.8	--	--	--	--	7.39	<0.003	17.4	10.3	--	--	10.9	14.7	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	61.5	--	--	--	--	5.21	<0.015	14.2	8.5	--	--	8.64	12.8	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	57.6	--	--	--	--	2.3	<0.05	10.6	6.9	--	--	5.9	9.9	--	--	--	--	--
7/11/13	0.53J	<0.005	0.0054	0.26	<0.003	<0.5	<0.05	30.7	<0.005	<0.005J	<0.05	<0.05	2.3J	<0.005	11.5J	3.9	<0.0002	<0.05	4.3DJ	11J	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	213	--	--	--	--	0.3	<0.001	38.9	6.4	--	--	2.9	50	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	68.7	--	--	--	--	5.2	<0.005	13.2	9.7	--	--	8.4	12	--	--	--	--	--
3/19/14	--	--	--	--	--	--	<0.002	74.4	--	--	--	--	33.8	0.012	21.1	10	--	--	10.3	13	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	61.6	--	--	--	--	43.3	0.022	19.9	9	--	--	11.2	11.1	--	--	--	--	--
9/16/14	19.9	<0.02	0.023	0.65	<0.002	0.3	<0.002	86.9	0.029	<0.01	0.015	0.022	32.5	0.011	23.3	11.2	<0.0002	0.034	14.4	16.3	<0.025	<0.006	<0.02	0.028	0.07

Historical Water Quality Data - Towslee Landfill
MW-2B Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	2.03	<0.003	0.007B	1.59	0.00023B	0.355	0.0003B	288	0.004B	--	0.0091B	0.0069B	4.3	0.0044	61.7	8.24	--	0.0129B	3B	64.1	--	--	0.0037B	0.0029B	0.103
10/1/97	5.31	<0.003	0.0083B	1.36	0.00037B	0.292	<0.0003	245	0.0086B	--	0.0141B	0.0118B	10.7	0.0058	49.9	7.43	--	0.0188B	2.9B	53.9	--	--	<0.0026	0.0075B	0.0484
3/22/06	--	--	--	--	--	--	<0.005	203	--	--	--	--	0.913	<0.005	46.1	6.98	--	--	2.42	53.8	--	--	--	--	--
5/31/06	--	--	--	--	--	--	<0.005	216 E	--	--	--	--	0.836	0.009	45.3	6.8	--	--	2.25	49.7	--	--	--	--	--
8/9/06	0.18	<0.05	<0.025	1.22	<0.005	0.256	<0.005	203 E	<0.005	<0.02	<0.015	0.017	1.2	<0.005	43.5	6.63	<0.0004	<0.01	2.28	51.1	<0.02	<0.015	<0.03	<0.015	<0.01
10/10/06	--	--	--	--	--	--	<0.005	200	--	--	--	--	1.07	<0.005	42.7	6.46	--	--	2.38	51	--	--	--	--	--
3/20/07	--	--	--	--	--	--	<0.005	216	--	--	--	--	0.637	<0.003	44.8	6.42	--	--	2.74	50.9	--	--	--	--	--
4/26/07	--	--	--	--	--	--	<0.005	170	--	--	--	--	0.469	<0.003	36.3	4.93	--	--	2.14	40.8	--	--	--	--	--
7/31/07	--	--	--	--	--	--	<0.005	214	--	--	--	--	0.468	<0.003	44.1	6.6	--	--	2.44	52.3	--	--	--	--	--
10/10/07	<0.1	<0.015	<0.01	1.09	<0.003	<0.5	<0.005	195	<0.005	<0.01	<0.02	<0.01	0.323	<0.003	39.9	5.7	<0.0002	<0.03	<1	48.2	<0.005	<0.01	<0.01	<0.03	0.0469
2/1/08	0.168	<0.015	<0.01	1.18	<0.003	<0.5	<0.005	201	0.00816	<0.01	<0.02	<0.01	0.439	<0.003	42.8	6.21	<0.0002	<0.03	2.44	50.6	<0.005	<0.01	<0.01	<0.03	<0.01
4/16/08	--	--	--	--	--	--	<0.005	192	--	--	--	--	0.56	<0.003	42.4	5.96	--	--	2.2	47.4	--	--	--	--	--
7/23/08	--	--	--	--	--	--	<0.005	214	--	--	--	--	0.236	<0.003	47.1	6.49	--	--	2.23	51.4	--	--	--	--	--
10/24/08	--	--	--	--	--	--	<0.005	235	--	--	--	--	0.28	<0.003	49.1	6.84	--	--	3.13	58.2	--	--	--	--	--
3/12/09	--	--	--	--	--	--	<0.005	201	--	--	--	--	0.466	<0.003	42.9	6.5	--	--	2.44	49.3	--	--	--	--	--
6/17/09	0.235	<0.03	<0.01	1.43	<0.003	<0.5	<0.005	237	<0.01	<0.01	<0.02	<0.01	0.464	<0.003	45.9	6.63	<0.0002	<0.03	2.71	55.4	<0.005	<0.01	<0.01	<0.03	<0.01
9/30/09	--	--	--	--	--	--	<0.005	227	--	--	--	--	0.222	<0.003	45.6	6.31	--	--	<1	58.6	--	--	--	--	--
12/1/09	--	--	--	--	--	--	<0.005	178	--	--	--	--	0.235	<0.003	39.7	5.63	--	--	<5	49	--	--	--	--	--
1/28/10	--	--	--	--	--	--	<0.005	177	--	--	--	--	0.451	<0.003	40.4	5.48	--	--	<5	48.9	--	--	--	--	--
4/27/10	--	--	--	--	--	--	<0.005	202	--	--	--	--	0.329	<0.003	43.1	6.2	--	--	<5	53.1	--	--	--	--	--
7/20/10	<0.1	<0.005	<0.005	1.37	<0.003	<0.5	<0.005	216	<0.01	<0.01	<0.02	<0.01	0.149	<0.003	46.2	6.35	<0.0002	<0.03	<5	56.9	0.004	<0.01	<0.003	<0.03	<0.01
10/26/10	--	--	--	--	--	--	<0.005	207	--	--	--	--	0.273	<0.003	43	6.82	--	--	<5	65.4	--	--	--	--	--
3/22/11	--	--	--	--	--	--	<0.005	200	--	--	--	--	0.345	<0.003	42.8	6.23	--	--	<5	56.7	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	172	--	--	--	--	0.312	<0.003	38.8	5.23	--	--	<5	51	--	--	--	--	--
3/22/11	--	--	--	--	--	--	<0.005	200	--	--	--	--	0.345	<0.003	42.8	6.23	--	--	<5	56.7	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	172	--	--	--	--	0.312	<0.003	38.8	5.23	--	--	<5	51	--	--	--	--	--
9/20/11	--	--	--	--	--	--	<0.005	237	--	--	--	--	0.276	<0.003	43.9	5.99	--	--	<5	55.3	--	--	--	--	--
12/14/11	0.175	<0.005J	<0.005J	1.31	<0.003	<0.5	<0.005	212	<0.01	<0.01	<0.02	<0.01	0.333	<0.003J	44.7	5.93	<0.0002	<0.03	<5	57.7	<0.003J	<0.01	<0.003J	<0.03	0.0118
3/21/12	0.536	<0.005	<0.005	1.4	<0.003	<0.5	<0.005	208	<0.01	<0.01	<0.02	<0.01	1.11J	<0.003	46.6	6.23	<0.0002	<0.03	<5	58.5	<0.003	<0.01J	<0.003	<0.03	0.0177
5/23/12	--	--	--	--	--	--	<0.005	184	--	--	--	--	0.337	<0.003	44.9	6.4	--	--	<5	47.4	--	--	--	--	--
8/30/12	--	--	--	--	--	--	<0.005	196	--	--	--	--	0.319	<0.003	42.2	6.38	--	--	<5	50.8	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	216	--	--	--	--	0.416	<0.015	46.6	6.49	--	--	<5	59.4	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	225	--	--	--	--	0.31	<0.05	42.3	6.7	--	--	2.3	51	--	--	--	--	--
7/11/13	<0.2	<0.005	<0.005	1	<0.003	<0.5	<0.05	105	<0.005	<0.005J	<0.05	<0.05	0.32J	<0.005	36.4J	3.2	<0.0002	<0.05	2.9J	45J	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	73.7	--	--	--	--	1.5	<0.001	13.8	9	--	--	9.3	13	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	199	--	--	--	--	0.4	<0.005	38	6.1	--	--	2.9	46	--	--	--	--	--
3/19/14	--	--	--	--	--	--	<0.002	198	--	--	--	--	6.8	<0.01	44.4	5.9	--	--	3.4	48.1	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	182	--	--	--	--	9.8	0.013	41	5.5	--	--	4	42.9	--	--	--	--	--
9/16/14	4.3	<0.02	<0.015	1.3	<0.002	0.22	<0.002	191	0.0058	<0.01	0.0051	<0.01	3.5	<0.01	43	5.7	<0.0002	0.011	3.1	46.3	<0.025	<0.006	<0.02	<0.005	0.025

Historical Water Quality Data - Towslee Landfill
MW-3A Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	21.7	<0.003	0.0127	0.567	0.001B	<0.0709	<0.0003	57.8	0.0249	--	0.0121B	0.0315	26.6	0.0077	17	0.732	--	0.0248B	7.43	10.4	--	--	<0.0026	0.0296B	0.112
10/1/97	2.39	0.0034B	<0.0024	0.343	0.00013B	0.0286B	<0.0003	53.7	0.0022B	--	0.0019B	0.0076B	3.58	<0.001	11	0.174	--	0.0038B	1.87B	6.54	--	--	<0.0026	0.0039B	0.0265
3/22/06	--	--	--	--	--	--	<0.005	46.3	--	--	--	--	1.88	<0.005	9.13	0.208	--	--	0.938	5.66	--	--	--	--	--
5/31/06	--	--	--	--	--	--	<0.005	55.3	--	--	--	--	0.626	0.005	10	0.175	--	--	0.829	6.4	--	--	--	--	--
8/9/06	0.078	<0.05	<0.025	0.41	<0.005	0.063	<0.005	57.9	<0.005	<0.02	<0.015	0.023	0.104	0.005	11.2	0.416	<0.0004	<0.01	1.09	8.92	<0.02	<0.015	<0.03	<0.015	0.025
10/10/06	--	--	--	--	--	--	<0.005	48.3	--	--	--	--	0.283	<0.005	9.2	0.176	--	--	0.937	6.03	--	--	--	--	--
3/20/07	--	--	--	--	--	--	<0.005	23	--	--	--	--	1.18	<0.003	4.04	0.415	--	--	<1	2.11	--	--	--	--	--
4/26/07	--	--	--	--	--	--	<0.005	18.1	--	--	--	--	0.599	<0.003	3.1	0.501	--	--	<1	1.14	--	--	--	--	--
7/31/07	--	--	--	--	--	--	<0.005	45.1	--	--	--	--	0.231	<0.003	9.15	0.116	--	--	<1	5.1	--	--	--	--	--
10/10/07	0.33	<0.015	<0.01	0.332	<0.003	<0.5	<0.005	27.5	<0.005	<0.01	<0.02	<0.01	0.537	<0.003	4.26	0.287	<0.0002	<0.03	<1	2.64	<0.005	<0.01	<0.01	<0.03	0.0106
2/1/08	0.23	<0.015	<0.01	0.441	<0.003	<0.5	<0.005	30.2	<0.005	<0.01	<0.02	<0.01	0.451	<0.003	5.42	0.0373	<0.0002	<0.03	<1	2.9	<0.005	<0.01	<0.01	<0.03	<0.01
4/16/08	--	--	--	--	--	--	<0.005	37.6	--	--	--	--	0.574	<0.003	7.04	0.141	--	--	<1	3.52	--	--	--	--	--
7/23/08	--	--	--	--	--	--	<0.005	24.4	--	--	--	--	0.508	<0.003	3.83	0.618	--	--	1.06	2.77	--	--	--	--	--
10/24/08	--	--	--	--	--	--	<0.005	31.3	--	--	--	--	0.177	<0.003	4.8	0.0424	--	--	<1	2.69	--	--	--	--	--
3/12/09	--	--	--	--	--	--	<0.005	12.3	--	--	--	--	0.6	<0.003	1.82	0.294	--	--	<1	<1	--	--	--	--	--
6/17/09	<0.1	<0.015	<0.01	0.458	<0.003	<0.5	<0.005	59.5	<0.01	<0.01	<0.02	<0.01	0.155	<0.003	11.6	0.164	<0.0002	<0.03	<1	6.81	<0.005	<0.01	<0.01	<0.03	<0.01
9/30/09	--	--	--	--	--	--	<0.005	15.2	--	--	--	--	0.534	<0.003	<1	0.331	--	--	<1	<1	--	--	--	--	--
12/1/09	--	--	--	--	--	--	<0.005	26.2	--	--	--	--	1.44	<0.003	<5	0.597	--	--	<5	<5	--	--	--	--	--
1/28/10	--	--	--	--	--	--	<0.005	28.8	--	--	--	--	0.366	<0.003	5.17	0.568	--	--	<5	<5	--	--	--	--	--
4/27/10	--	--	--	--	--	--	<0.005	23.2	--	--	--	--	0.291	<0.003	<5	0.218	--	--	<5	<5	--	--	--	--	--
7/20/10	5.32	<0.005	<0.005	0.627	<0.003	<0.5	<0.005	57.3	<0.01	<0.01	<0.02	<0.01	6.97	<0.003	12.5	0.282	<0.0002	<0.03	<5	6.53	<0.003	<0.01	<0.003	<0.03	0.0285
10/26/10	--	--	--	--	--	--	<0.005	26.8	--	--	--	--	2.42	<0.003	<5	0.471	--	--	<5	<5	--	--	--	--	--
3/22/11	--	--	--	--	--	--	<0.005	18.3	--	--	--	--	0.232	<0.003	<5	0.575	--	--	<5	<5	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	42.9	--	--	--	--	0.121	<0.003	7.25	0.704	--	--	<5	<5	--	--	--	--	--
9/20/11	--	--	--	--	--	--	<0.005	58.9	--	--	--	--	0.121	<0.003	9.72	0.635	--	--	<5	5.9	--	--	--	--	--
12/13/11	0.107	<0.005J	<0.005J	0.498	<0.003	<0.5	<0.005	38.6	<0.01	<0.01	<0.02	<0.01	0.345	<0.003J	6.31	0.726	<0.0002	<0.03	<5	<5	<0.003J	<0.01	<0.003J	<0.03	<0.01
3/20/12	1.33	<0.005	<0.005	0.627	<0.003	<0.5	<0.005	44.9	<0.01	<0.01	<0.02	<0.01	1.77J	<0.003	8.39	0.802	<0.0002	<0.03	<5	<5	<0.003	<0.01J	<0.003	<0.03	0.0106
5/22/12	--	--	--	--	--	--	<0.005	43.6	--	--	--	--	0.451	<0.003	9.02	0.926	--	--	<5	<5	--	--	--	--	--
8/29/12	--	--	--	--	--	--	<0.005	47.5	--	--	--	--	0.238	<0.003	9.93	0.371	--	--	<5	5.41	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	36.9	--	--	--	--	0.319	<0.015	6.27	0.891	--	--	<5	<5	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	28.8	--	--	--	--	0.37	<0.05	4	0.78	--	--	1.1	2.1	--	--	--	--	--
7/11/13	<0.2	<0.005	0.0098	0.59	<0.003	<0.5	<0.05	43.6	<0.005	<0.005J	<0.05	<0.05	0.42J	<0.005	6.22J	1.9	<0.0002	<0.05	1.6J	2J	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	44.3	--	--	--	--	0.49	<0.001	6.33	1.8	--	--	1.5	2.6	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	39.7	--	--	--	--	1.1	<0.005	6.3	1.8	--	--	1.1	2.9	--	--	--	--	--
3/18/14	--	--	--	--	--	--	<0.002	54.2	--	--	--	--	4.1	<0.01	10.7	1.2	--	--	2.1	5.3	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	37.3	--	--	--	--	6.8	<0.01	8.3	1.4	--	--	2.9	3.2	--	--	--	--	--
9/16/14	0.38	<0.02	0.019	0.58	<0.002	0.022	<0.002	42.5	<0.004	<0.01	<0.004	<0.01	0.6	<0.01	7.4	2	<0.0002	<0.01	1.6	3.2	<0.025	<0.006	<0.02	<0.005	<0.01

Historical Water Quality Data - Towslee Landfill
MW-3B Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	2.01	<0.003	<0.0024	0.402	0.0001B	0.0662B	<0.0003	73.8	0.0032B	NA	0.002B	0.0051B	3.04	0.0013B	22.8	0.12	NA	0.0036B	2.05B	11.2	NA	NA	<0.0026	0.003B	0.0621
10/1/97	0.184	<0.003	<0.0024	0.291	0.00013B	0.0626B	<0.0003	74.4	<0.0004	NA	0.0014B	0.0018B	0.372	<0.001	21.5	0.0697	NA	0.0018B	1.2B	9.78	NA	NA	<0.0026	<0.0012	0.0155B
9/20/11	--	--	--	--	--	--	<0.005	75.8	--	--	--	--	0.578	<0.003	20.5	0.184	--	--	<5	11.1	--	--	--	--	--
12/13/11	0.253	<0.005J	<0.005J	0.294	<0.003	<0.5	<0.005	70	<0.01	<0.01	<0.02	<0.01	0.344	<0.003J	21.6	0.125	<0.0002	<0.03	<5	12.5	<0.003J	<0.01	<0.003J	<0.03	0.0114
3/20/12	0.148	<0.005	<0.005	0.339	<0.003	<0.5	<0.005	69	<0.01	<0.01	<0.02	<0.01	0.386J	<0.003	21.6	0.102	<0.0002	<0.03	<5	11.9	<0.003	<0.01J	<0.003	<0.03	0.017
5/22/12	--	--	--	--	--	--	<0.005	66.6	--	--	--	--	0.0945	<0.003	22.4	0.1	--	--	<5	10.4	--	--	--	--	--
8/29/12	--	--	--	--	--	--	<0.005	59.1	--	--	--	--	0.142	<0.003	18.4	0.092	--	--	<5	8.61	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	65.1	--	--	--	--	0.0777	<0.015	20.7	0.0979	--	--	<5	10.4	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	69.8	--	--	--	--	<0.2	<0.05	18.2	0.073	--	--	1.2	11	--	--	--	--	--
7/11/13	<0.2	<0.005	<0.005	0.22	<0.003	<0.5	<0.05	31.3	<0.005	<0.005J	<0.05	<0.05	0.37J	<0.005	16.3J	0.17	<0.0002	<0.05	1.3J	9J	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	60.3	--	--	--	--	0.27	<0.001	16.3	0.25	--	--	1.3	9.2	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	64.4	--	--	--	--	0.22	<0.005	18.1	0.11	--	--	1.4	9.6	--	--	--	--	--
3/18/14	--	--	--	--	--	--	<0.002	75.6	--	--	--	--	7.2	<0.01	22.9	0.3	--	--	2.9	11.1	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	56.3	--	--	--	--	1.7	<0.01	17.6	0.17	--	--	1.4	8.6	--	--	--	--	--
9/16/14	2.8	<0.02	<0.015	0.49	<0.002	0.045	<0.002	58.5	<0.004	<0.01	<0.004	<0.01	2.3	<0.01	18.2	0.19	<0.0002	<0.01	1.7	9.5	<0.025	<0.006	<0.02	<0.005	<0.01

Historical Water Quality Data - Towslee Landfill
MW-4A Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	1.61	<0.003	<0.0024	0.803	0.0001B	0.0765B	<0.0003	110	0.0015B	NA	0.0036B	0.0066B	2.2	0.0031	24.3	1.14	NA	0.0044B	2.01B	13.3	NA	NA	<0.0026	0.0016B	0.0501
10/1/97	1.32	<0.003	<0.0024	1.26	0.00013B	0.124	0.0004B	127	0.00093B	NA	0.0035B	0.0076B	1.99	0.0024B	26	2.15	NA	0.0063B	2.02B	15.7	NA	NA	<0.0026	0.0019B	0.0238
9/20/11	--	--	--	--	--	--	<0.005	153	--	--	--	--	0.261	<0.003	27.3	1.91	--	--	<5	16.7	--	--	--	--	--
12/13/11	0.153	<0.005J	<0.005J	1.16	<0.003	<0.5	<0.005	128	<0.01	<0.01	<0.02	<0.01	0.174	<0.003J	26.8	1.73	<0.0002	<0.03	<5	17.8	<0.003J	<0.01	<0.003J	<0.03	0.013
3/20/12	0.39	<0.005	<0.005	1.3	<0.003	<0.5	<0.005	131	<0.01	<0.01	<0.02	0.0224	0.427J	<0.003	28.3	1.75	<0.0002	<0.03	<5	17.7	<0.003	<0.01J	<0.003	<0.03	0.0154
5/22/12	--	--	--	--	--	--	<0.005	110	--	--	--	--	0.146	<0.003	26.5	1.44	--	--	<5	14.2	--	--	--	--	--
8/29/12	--	--	--	--	--	--	<0.005	123	--	--	--	--	0.209	<0.003	27.8	2.05	--	--	<5	14.7	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	137	--	--	--	--	0.265	<0.015	31	1.63	--	--	<5	18.7	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	150	--	--	--	--	<0.2	<0.05	28.3	2.9	--	--	1.4	19	--	--	--	--	--
7/11/13	<0.2	<0.005	<0.005	0.88	<0.003	<0.5	<0.05	59.7	<0.005	<0.005J	<0.05	<0.05	<0.2	<0.005	21.5J	0.97	<0.0002	<0.05	1.5J	14J	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	119	--	--	--	--	0.23	<0.001	23.4	0.7	--	--	1.8	16	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	122	--	--	--	--	<0.2	<0.005	24.5	0.59	--	--	1.8	16	--	--	--	--	--
3/18/14	--	--	--	--	--	--	<0.002	135	--	--	--	--	5.2	<0.01	30	5.3	--	--	2.7	17.3	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	98.8	--	--	--	--	0.36	<0.01	21.9	1.4	--	--	1.2	12.9	--	--	--	--	--
9/16/14	1.1	<0.02	<0.015	1.1	<0.002	0.079	<0.002	115	<0.004	<0.01	<0.004	<0.01	0.64	<0.01	25.7	1.3	<0.0002	<0.01	1.7	15.6	<0.025	<0.006	<0.02	<0.005	0.01

Historical Water Quality Data - Towslee Landfill
MW-5A Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	10.1	0.0045B	0.0061B	1.58	0.00063B	0.0348B	0.0042B	45.8	0.0092	NA	0.0105B	0.0181B	11.5	0.0114	14.8	0.485	NA	0.011B	3.03B	31.6	NA	NA	<0.0026	0.0102B	0.105
10/1/97	0.228	<0.003	<0.0024	0.502	<0.0001	0.021B	<0.0003	32.1	<0.0004	NA	<0.0011	0.0037B	0.46	<0.001	9.45	0.0661	NA	<0.0013	0.897B	9.53	NA	NA	<0.0026	0.0012B	0.0212
11/21/12	--	--	--	--	--	--	<0.005	29.1	--	--	--	--	0.536	<0.015	9.56	0.0531	--	--	<5	18.7	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	25.2	--	--	--	--	<0.2	<0.05	7.58	<0.05	--	--	1.1	16	--	--	--	--	--
7/11/13	<0.2	<0.005	<0.005	0.4	<0.003	<0.5	<0.05	27.4	<0.005	<0.005J	<0.05	<0.05	<0.2	<0.005	7.74J	<0.05	<0.0002	<0.05	1.5J	13J	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	30.8	--	--	--	--	<0.2	<0.001	8.67	<0.05	--	--	1.3	12	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	28.4	--	--	--	--	<0.2	<0.005	9.03	<0.05	--	--	1.2	12	--	--	--	--	--
3/18/14	--	--	--	--	--	--	<0.002	31.8	--	--	--	--	1.2	<0.01	9.8	0.1	--	--	1.4	11.9	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	28.5	--	--	--	--	0.52	<0.01	8.3	0.05	--	--	0.98	11.1	--	--	--	--	--
9/16/14	0.51	<0.02	<0.015	0.47	<0.002	0.02	<0.002	32.4	<0.004	<0.01	<0.004	<0.01	0.55	<0.01	8.6	0.056	<0.0002	<0.01	1.3	11.7	<0.025	<0.006	<0.02	<0.005	0.011

Historical Water Quality Data - Towslee Landfill
MW-6A Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	59.1	0.0036B	0.0476	1.79	0.0023B	0.282	<0.0003	99.1	0.0859	NA	0.056	0.0973	111	0.0168	37.6	14.5	<0.0001	0.112	14.4	53.3	<0.0028	0.0013B	<0.0026	0.0726	0.271
10/1/97	38.6	NA	0.0404	1.63	0.0017B	0.32	0.0011B	82.2	0.0705	NA	0.0463B	0.0689	85.5	0.0113	28.8	12.7	<0.0001	0.0963	10.1	46.8	<0.0028	<0.0009	<0.0026	0.053	0.177
9/20/11	--	--	--	--	--	--	<0.005	66.6	--	--	--	--	0.835	<0.003	10.2	1.33	--	--	<5	19.5	--	--	--	--	--
12/13/11	0.683	<0.005J	<0.005J	0.327	<0.003	<0.5	<0.005	59.7	<0.01	<0.01	<0.02	<0.01	1.32	<0.003J	10.8	1.78	<0.0002	<0.03	<5	19.8	<0.003J	<0.01	<0.003J	<0.03	<0.01
3/20/12	3.91	<0.005	0.00689BJ	0.343	<0.003	<0.5	<0.005	58.8	<0.01	<0.01	<0.02	<0.01	7.22J	<0.003	12.2	1.63	<0.0002	<0.03	<5	19	<0.003	<0.01J	<0.003	<0.03	0.0235
5/22/12	--	--	--	--	--	--	<0.005	50.9	--	--	--	--	0.98	<0.003	10.3	2.16	--	--	<5	14.8	--	--	--	--	--
8/30/12	--	--	--	--	--	--	<0.005	57.5	--	--	--	--	6.38	<0.015	10.2	2.84	--	--	<5	16.5	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	65.7	--	--	--	--	0.892	<0.015	12.2	1.57	--	--	<5	19.3	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	64.3	--	--	--	--	6.1	<0.05	9.96	1.8	--	--	2.4	17	--	--	--	--	--
7/11/13	3.7J	<0.005	<0.005	0.21	<0.003	<0.5	<0.05	47.7	0.0054	<0.005J	<0.05	<0.05	4J	<0.005	10J	0.59	<0.0002	<0.05	2.7J	16J	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	54.5	--	--	--	--	0.76	<0.001	8.49	0.46	--	--	2.3	16	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	55.5	--	--	--	--	0.51	<0.005	8.6	1.4	--	--	2.3	15	--	--	--	--	--
3/17/14	--	--	--	--	--	--	<0.002	60.4	--	--	--	--	113	0.02	27.8	4.3	--	--	12.1	15.4	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	54.6	--	--	--	--	76.8	0.025	21.8	4.8	--	--	10.6	13.1	--	--	--	--	--
9/15/14	37.6	<0.02	0.039	0.83	<0.002	0.038	<0.002	53.5	0.052	<0.01	0.038	0.054	57.3	0.028	19.2	3.4	<0.0002	0.072	9.3	17.6	<0.025	<0.006	<0.02	0.051	0.12

Historical Water Quality Data - Towslee Landfill
MW-6B Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	8.59	<0.003	0.009B	0.521	0.0004B	0.145	<0.0003	70.5	0.0092B	--	0.0112B	0.0116B	10.6	0.0044	19	3.43	--	0.0144B	4.08B	38	--	--	<0.0026	0.0083B	0.0894
10/1/97	0.642	<0.003	0.0084B	0.48	0.0001B	0.145	<0.0003	55.6	0.0017B	--	0.0056B	0.0051B	3	<0.001	12.7	4.17	--	0.0059B	2.72B	31.4	--	--	<0.0026	0.0012B	0.0248
3/22/06	--	--	--	--	--	--	<0.005	39.3	--	--	--	--	1.09	<0.005	8.94	0.559	--	--	1.15	14.9	--	--	--	--	--
5/31/06	--	--	--	--	--	--	<0.005	39.6	--	--	--	--	0.511	<0.005	10.9	0.12	--	--	0.825	9.93	--	--	--	--	--
8/9/06	0.115	<0.05	<0.025	0.313	<0.005	<0.05	<0.005	36.1	<0.005	<0.02	<0.015	0.016	0.306	<0.005	9.86	0.297	<0.0004	<0.01	0.634	10.1	<0.02	<0.015	<0.03	<0.015	0.014
10/10/06	--	--	--	--	--	--	<0.005	37.4	--	--	--	--	0.195	<0.005	9.71	0.185	--	--	0.69	10.7	--	--	--	--	--
3/20/07	--	--	--	--	--	--	<0.005	45.6	--	--	--	--	1.87	<0.003	10.2	0.331	--	--	1.05	11.2	--	--	--	--	--
4/26/07	--	--	--	--	--	--	<0.005	39.9	--	--	--	--	0.486	<0.003	9.68	0.0908	--	--	<1	10.2	--	--	--	--	--
7/31/07	--	--	--	--	--	--	<0.005	40.2	--	--	--	--	0.163	<0.003	9.12	0.671	--	--	<1	15	--	--	--	--	--
10/10/07	0.102	<0.015	<0.01	0.301	<0.003	<0.5	<0.005	36.7	<0.005	<0.01	<0.02	<0.01	0.216	<0.003	7.81	0.712	<0.0002	<0.03	<1	14.7	<0.005	<0.01	<0.01	<0.03	0.0213
2/1/08	0.134	<0.015	<0.01	0.337	<0.003	<0.5	<0.005	39.2	<0.005	<0.01	<0.02	<0.01	0.229	<0.003	9.37	0.327	<0.0002	<0.03	<1	13.8	<0.005	<0.01	<0.01	<0.03	0.0103
4/16/08	--	--	--	--	--	--	<0.005	39.5	--	--	--	--	0.33	<0.003	10.4	0.102	--	--	<1	12.7	--	--	--	--	--
7/23/08	--	--	--	--	--	--	<0.005	39	--	--	--	--	<0.06	<0.003	9.61	0.666	--	--	<1	18.1	--	--	--	--	--
10/24/08	--	--	--	--	--	--	<0.005	38.7	--	--	--	--	<0.06	<0.003	9.13	0.619	--	--	1.4	17.6	--	--	--	--	--
3/12/09	--	--	--	--	--	--	<0.005	39.6	--	--	--	--	0.268	<0.003	10.5	0.0257	--	--	1.01	13.1	--	--	--	--	--
6/17/09	<0.1	<0.03	<0.01	0.404	<0.003	<0.5	<0.005	42.9	<0.01	<0.01	<0.02	<0.01	0.104	<0.003	11.4	0.0585	<0.0002	<0.03	1.03	17.9	<0.005	<0.01	<0.01	<0.03	<0.01
9/30/09	--	--	--	--	--	--	<0.005	42	--	--	--	--	0.0703	<0.003	10.4	0.255	--	--	<1	18.5	--	--	--	--	--
12/1/09	--	--	--	--	--	--	<0.005	38.2	--	--	--	--	0.417	<0.003	10.4	0.167	--	--	<5	15.8	--	--	--	--	--
1/28/10	--	--	--	--	--	--	<0.005	45	--	--	--	--	0.448	<0.003	12.3	0.0606	--	--	<5	16.8	--	--	--	--	--
4/27/10	--	--	--	--	--	--	<0.005	40.6	--	--	--	--	0.226	<0.003	11	0.027	--	--	<5	14.2	--	--	--	--	--
7/20/10	<0.1	<0.005	<0.005	0.348	<0.003	<0.5	<0.005	39.9	<0.01	<0.01	<0.02	<0.01	<0.06	<0.003	10.7	0.087	<0.0002	<0.03	<5	15	<0.003	<0.01	<0.003	<0.03	<0.01
10/26/10	--	--	--	--	--	--	<0.005	40.9	--	--	--	--	0.337	<0.003	10.9	0.242	--	--	<5	17.8	--	--	--	--	--
3/22/11	--	--	--	--	--	--	<0.005	40.1	--	--	--	--	0.114	<0.003	10.8	0.0452	--	--	<5	14.1	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	43.3	--	--	--	--	0.235	<0.003	10.8	0.0213	--	--	<5	17	--	--	--	--	--
9/20/11	--	--	--	--	--	--	<0.005	49.7	--	--	--	--	0.835	<0.003	11.7	0.166	--	--	<5	18.3	--	--	--	--	--
12/13/11	<0.1	<0.005J	<0.005J	0.414	<0.003	<0.5	<0.005	48.1	<0.01	<0.01	<0.02	<0.01	0.0989	<0.003J	11.3	0.231	<0.0002	<0.03	<5	21.7	<0.003J	<0.01	<0.003J	<0.03	0.0159
3/20/12	<0.1	<0.005	<0.005	0.354	<0.003	<0.5	<0.005	40.8	<0.01	<0.01	<0.02	<0.01	1.05J	<0.003	10.8	0.0335	<0.0002	<0.03	<5	16.5	<0.003	<0.01J	<0.003	<0.03	<0.01
5/22/12	--	--	--	--	--	--	<0.005	39.8	--	--	--	--	7.38	<0.015	12.4	0.781	--	--	<5	14.6	--	--	--	--	--
8/30/12	--	--	--	--	--	--	<0.005	42.9	--	--	--	--	<0.06	<0.003	10.6	0.0693	--	--	<5	17.3	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	47.5	--	--	--	--	0.177	<0.015	12	0.0675	--	--	<5	19.5	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.5	44.3	--	--	--	--	0.38	<0.05	10.6	0.051	--	--	0.92	14	--	--	--	--	--
7/11/13	0.48J	<0.005	<0.005	0.29	<0.003	<0.5	<0.05	40.2	<0.005	<0.005J	<0.05	<0.05	0.35J	<0.005	9.19J	0.064	<0.0002R	<0.05	1.1J	13J	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	44.1	--	--	--	--	0.29	<0.001	10.3	0.18	--	--	1.3	19	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	40.6	--	--	--	--	0.29	<0.005	10.1	0.062	--	--	1.3	17	--	--	--	--	--
3/17/14	--	--	--	--	--	--	<0.002	43.2	--	--	--	--	0.69	<0.01	10.7	0.15	--	--	1.3	17.8	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	38.3	--	--	--	--	2.6	<0.01	10.8	0.26	--	--	1.3	12.8	--	--	--	--	--
9/15/14	13.4	<0.02	<0.015	0.69	<0.002	0.033	<0.002	39.4	0.0044	<0.01	0.0042	<0.01	7.2	0.024	14.2	1.5	<0.0002	<0.01	2	11	<0.025	<0.006	<0.02	0.0062	0.036

Historical Water Quality Data - Towslee Landfill
MW-7A Total Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	40	<0.003	0.0176	1.36	0.0015B	0.332	0.00047B	234	0.0556	--	0.0311	0.0637	65.9	0.0251	67	5.87	<0.0001	0.0783	10.4	118	0.0041B	<0.0009	<0.0026	0.0487B	0.2
10/1/97	88.4	<0.003	0.0459	1.99	0.0037B	0.41	0.002B	271	0.146	--	0.0791	0.129	174	0.0585	88.3	9.55	<0.0001	0.192	13.5	113	0.0047B	<0.0009	<0.0026	0.127	0.408
3/22/06	--	--	--	--	--	--	<0.005	171	--	--	--	--	14.5	0.0175	48.6	6.08	--	--	3.06	134	--	--	--	--	--
5/31/06	--	--	--	--	--	--	<0.005	165	--	--	--	--	1.33	0.009	45.5	5.69	--	--	1.91	129	--	--	--	--	--
8/9/06	0.415	<0.05	<0.025	0.684	<0.005	0.55	<0.005	150	<0.005	<0.02	<0.015	0.013	0.722	0.006	38	4.4	<0.0004	0.013	1.81	124	<0.02	<0.015	<0.03	<0.015	<0.01
10/10/06	--	--	--	--	--	--	<0.005	148	--	--	--	--	2.78	<0.005	38	4.85	--	--	2.03	128	--	--	--	--	--
3/20/07	--	--	--	--	--	--	<0.005	149	--	--	--	--	1.68	<0.003	38.4	4.51	--	--	2.03	112	--	--	--	--	--
4/26/07	--	--	--	--	--	--	<0.005	140	--	--	--	--	1.52	<0.003	36.4	4.18	--	--	1.95	104	--	--	--	--	--
7/31/07	--	--	--	--	--	--	<0.005	135	--	--	--	--	9.97	0.00656	35	3.98	--	--	2.87	95.8	--	--	--	--	--
10/10/07	2.43	<0.015	<0.01	0.576	<0.003	0.65	<0.005	131	<0.005	<0.01	<0.02	<0.01	3.65	<0.003	32.1	3.47	<0.0002	<0.03	<1	95.2	<0.005	<0.01	<0.01	<0.03	0.0263
2/1/08	0.919	<0.015	<0.01	0.68	<0.003	0.588	<0.005	148	0.00667	<0.05	<0.02	<0.01	1.68	<0.003	38.4	4.17	<0.0002	<0.03	1.85	104	<0.005	<0.01	<0.01	<0.03	0.0102
4/16/08	--	--	--	--	--	--	<0.005	139	--	--	--	--	1.99	<0.003	38.5	4.34	--	--	1.98	99.6	--	--	--	--	--
7/23/08	--	--	--	--	--	--	<0.005	150	--	--	--	--	0.342	<0.003	39.5	4.82	--	--	1.82	113	--	--	--	--	--
10/24/08	--	--	--	--	--	--	<0.005	162	--	--	--	--	1.16	<0.003	39.8	4.57	--	--	2.41	116	--	--	--	--	--
3/12/09	--	--	--	--	--	--	<0.005	140	--	--	--	--	0.322	<0.003	35.8	4.31	--	--	1.62	97	--	--	--	--	--
6/17/09	9.56	<0.03	<0.01	0.714	<0.003	<0.5	<0.005	150	<0.01	<0.02	<0.01	<0.01	10.1	<0.003	38.7	4.21	<0.0002	<0.03	3.58	103	<0.005	<0.01	<0.01	<0.03	0.0297
9/30/09	--	--	--	--	--	--	<0.005	144	--	--	--	--	0.108	<0.003	34	3.8	--	--	<1	110	--	--	--	--	--
12/1/09	--	--	--	--	--	--	<0.005	131	--	--	--	--	1.19	<0.003	35.3	3.68	--	--	<5	105	--	--	--	--	--
1/28/10	--	--	--	--	--	--	<0.005	139	--	--	--	--	3.95	<0.003	38.8	3.87	--	--	<5	112	--	--	--	--	--
4/27/10	--	--	--	--	--	--	<0.005	122	--	--	--	--	0.469	<0.003	31.4	3.85	--	--	<5	109	--	--	--	--	--
7/20/10	1.52	<0.005	<0.005	0.556	<0.003	<0.5	<0.005	147	<0.01	<0.01	<0.02	<0.01	1.71	<0.003	36.9	3.82	<0.0002	<0.03	<5	110	<0.003	<0.01	<0.003	<0.03	<0.01
10/26/10	--	--	--	--	--	--	<0.005	143	--	--	--	--	3.06	<0.003	36.4	4.5	--	--	<5	127	--	--	--	--	--
3/22/11	--	--	--	--	--	--	<0.005	136	--	--	--	--	0.162	<0.003	35	4.33	--	--	<5	110	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	130	--	--	--	--	0.418	<0.003	34.4	3.8	--	--	<5	114	--	--	--	--	--
9/20/11	--	--	--	--	--	--	0.258	173	--	--	--	--	4.66	0.00321	37.2	4.86	--	--	<5	114	--	--	--	--	--
12/13/11	2.12	<0.005J	<0.005J	0.601	<0.003	0.53	<0.005	146	<0.01	<0.01	<0.02	<0.01	3.03	<0.003J	33.9	3.57	<0.0002	<0.03	<5	104	<0.003J	<0.01	<0.003J	<0.03	0.0156
3/21/12	0.709	<0.005	0.00582BJ	0.59	<0.003	<0.5	<0.005	149	<0.01	<0.01	<0.02	<0.01	0.931J	<0.003	36.8	1.62	<0.0002	<0.03	<5	108	<0.003	<0.01J	<0.003	<0.03	<0.01
5/22/12	--	--	--	--	--	--	<0.005	123	--	--	--	--	2.9	0.00328	34.8	3.27	--	--	<5	91	--	--	--	--	--
8/30/12	--	--	--	--	--	--	<0.005	123	--	--	--	--	0.869	<0.003	30.1	2.91	--	--	<5	81.6	--	--	--	--	--
11/21/12	--	--	--	--	--	--	<0.005	144	--	--	--	--	4.19	<0.015	37.6	2.94	--	--	<5	99.9	--	--	--	--	--
4/2/13	--	--	--	--	--	--	<0.05	150	--	--	--	--	0.66	<0.05	34.5	3.8	--	--	1.4	94	--	--	--	--	--
7/11/13	1.3J	<0.005	<0.005	0.41	<0.003	<0.5	<0.05	64.3	<0.005	<0.005J	<0.05	<0.05	2J	<0.005	26.9J	1.4	<0.0002R	<0.05	1.9J	40J	<0.005	<0.005	<0.005	<0.05	<0.1
9/17/13	--	--	--	--	--	--	<0.001	133	--	--	--	--	2.3	0.0013	27.9	1.8	--	--	2.1	82	--	--	--	--	--
11/5/13	--	--	--	--	--	--	<0.005	124	--	--	--	--	0.97	<0.005	28	1.4	--	--	2	77	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	115	--	--	--	--	7.6	<0.01	31	3.2	--	--	3.3	81.4	--	--	--	--	--
9/16/14	36.4	<0.02	0.016	0.95	<0.002	0.37	<0.002	132	0.046	<0.01	0.023	0.039	49.1	0.018	42.7	5	<0.0002	0.068	8	84.7	<0.025	<0.006	<0.02	0.048	0.12

Historical Water Quality Database - Towslee Landfill

CD-1 - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	-	0.003	0.025	1	0.004	1	0.005	-	0.05	0.05	-	0.2	0.3	0.015	-	0.3	0.0007	0.1	-	20	0.01	0.05	0.002	-	5
3/18/14	-	-	-	-	-	-	<0.002	37	-	-	-	-	<0.05	<0.01	8.7	<0.003	-	-	0.83	4.1	-	-	-	-	-
5/21/14	-	-	-	-	-	-	<0.002	33	-	-	-	-	<0.05	<0.01	7.9	<0.003	-	-	0.85	3.9	-	-	-	-	-
9/15/14	<0.2	<0.02	<0.015	0.061	<0.002	<0.02	<0.002	36.6	<0.004	-	<0.004	<0.01	<0.05	<0.01	9.7	0.0082	-	<0.01	1	4.5	<0.025	<0.006	<0.02	<0.005	<0.01

Historical Water Quality Database - Towslee Landfill
CD-1RA - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	-	0.003	0.025	1	0.004	1	0.005	-	0.05	0.05	-	0.2	0.3	0.015	-	0.3	0.0007	0.1	-	20	0.01	0.05	0.002	-	5
8/1/97	0.0198B	<0.003	<0.0024	0.163B	<0.0001	0.0199B	<0.0003	40.7	<0.0004	-	<0.0011	0.0026B	0.0238B	-	9.65	0.168	-	<0.0013	0.911B	5.5	-	-	-	-	0.0825
10/1/97	0.0442B	<0.003	<0.0024	0.173B	0.00067B	0.0285B	0.00063B	39.5	<0.0012	-	<0.0011	0.0012B	0.0394B	-	8.3	0.148	-	<0.0013	0.951B	5.29	-	-	-	-	0.0148B
9/20/11	-	-	-	-	-	-	<0.005	41	-	-	-	-	0.0795	<0.003	7.56	0.0636	-	-	<5	5.23	-	-	-	-	-
3/18/14	-	-	-	-	-	-	<0.002	38.3	-	-	-	-	<0.05	<0.01	8.9	0.1	-	-	0.75	4.9	-	-	-	-	-
5/21/14	-	-	-	-	-	-	<0.002	40	-	-	-	-	<0.05	<0.01	9.5	0.12	-	-	0.64	5.1	-	-	-	-	-
9/15/14	<0.2	<0.02	<0.015	0.16	<0.002	<0.02	<0.002	37.8	<0.004	-	<0.004	<0.01	<0.05	<0.01	10.4	0.22	-	<0.01	0.76	5.3	<0.025	<0.006	<0.02	<0.005	<0.01

Historical Water Quality Database - Towslee Landfill
MW-1A - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
-	0.003		0.025	1	0.004	1	0.005	-	0.05	0.05	-	0.2	0.3	0.015	-	0.3	0.0007	0.1	-	20	0.01	0.05	0.002	-	5
8/1/97	0.0163B	--	<0.0024	0.137B	<0.0001	0.0631B	<0.0003	67.6	<0.0004	--	<0.0011	0.0008B	0.0348B	0.0052	15.4	0.22	0.0014	<0.0013	10.6	59.3	--	--	<0.0026	<0.0012	0.12
10/1/97	0.0407B	--	<0.0024	0.068B	<0.0001	0.0561B	<0.0003	40.3	<0.0004	--	<0.0011	<0.0007	0.0471B	<0.001	8.69	0.174	<0.0001	<0.0013	4.92B	27.1	--	--	<0.0026	<0.0012	0.0161B
3/22/06	--	--	--	--	--	--	<0.005	40.7	--	--	--	--	13.5	<0.005	10.4	0.238	--	--	2.52	14.7	--	--	--	--	--
5/31/06	--	--	--	--	--	--	<0.005	38.9	--	--	--	--	0.315	0.005	8.12	0.127	--	--	1.38	12.3	--	--	--	--	--
8/9/06	0.066	<0.05	<0.025	0.066	<0.005	<0.07	<0.005	38.6	<0.005	--	<0.015	0.013	0.125	<0.005	8.18	0.248	<0.0004	<0.01	1.31	13	<0.02	<0.015	<0.03	<0.015	0.033
3/20/07	--	--	--	--	--	--	<0.005	40.3	--	--	--	--	<0.06	<0.003	8.83	<0.01	--	--	1.72	12.3	--	--	--	--	--
3/21/12	<0.1	<0.005	<0.005	0.0742	<0.003	--	<0.005	47.8	<0.01	--	<0.02	<0.01	0.102 J	<0.003	11.3	0.0327	<0.0002	<0.03	<5	14.3	<0.003	<0.01 J	<0.003	<0.03	0.0107
7/11/13	<0.2	<0.005	<0.005	<0.1	<0.003	<0.5	<0.005	46	<0.005	--	<0.05	<0.05	<0.2	<0.005	10	0.26	<0.0002	<0.05	1.11	12	<0.005	<0.005	<0.005	<0.05	<0.1
5/21/14	--	--	--	--	--	--	<0.002	41.9	--	--	--	--	<0.05	<0.01	9.5	0.064	--	--	0.92	11.7	--	--	--	--	--
9/16/14	<0.2	<0.02	<0.015	0.14B	<0.002	0.022	<0.002	46.1	<0.004	--	<0.004	<0.01	<0.05	<0.01	10.6	0.089	--	<0.01	0.84	12.1	<0.025	<0.006	<0.02	<0.005	<0.01

Historical Water Quality Database - Towslee Landfill
 MW-1B - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum :	Antimony 0.003	Arsenic 0.025	Barium 1	Beryllium 0.004	Boron 1	Cadmium 0.005	Calcium :	Chromium 0.05	Chromium, Hex 0.05	Cobalt :	Copper 0.2	Iron 0.3	Lead 0.015	Magnesium :	Manganese 0.3	Mercury 0.0007	Nickel 0.1	Potassium :	Sodium 20	Selenium 0.01	Silver 0.05	Thallium 0.002	Vanadium :	Zinc 5
8/1/97	0.0146B	<0.003	<0.0024	0.151B	<0.0001	0.0195B	<0.0003	24.8	0.0008B	-	<0.0011	<0.0007	0.0172B	-	6.62	0.141	-	<0.0013	1.63B	7.53	-	-	-	-	0.0396
10/1/97	0.0209B	<0.003	<0.0024	0.155B	<0.0001	0.0162B	<0.0003	24.5	0.00073B	-	<0.0011	<0.0007	0.0141B	-	5.88	0.134	-	<0.0013	0.514B	6.59	-	-	-	-	0.0152B
3/22/06	-	-	-	-	-	-	<0.005	22.8	-	-	-	-	0.339	<0.005	5.15	0.0136	-	-	0.487	4.75	-	-	-	-	-
8/9/06	0.195	<0.05	<0.025	0.162	<0.005	<0.07	<0.005	24.4	<0.005	-	<0.015	0.013	0.339	<0.005	5.54	0.135	<0.0004	<0.01	0.403	5.31	<0.02	<0.015	<0.03	<0.015	0.029
3/20/07	-	-	-	-	-	-	<0.005	24.5	-	-	-	-	<0.06	<0.003	5.88	<0.01	-	-	<1	5.73	-	-	-	-	-

Historical Water Quality Database - Towslee Landfill
MW-2A - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	-	0.003	0.025	1	0.004	1	0.005	-	0.05	0.05	-	0.2	0.3	0.015	-	0.3	0.0007	0.1	-	20	0.01	0.05	0.002	-	5
8/1/97	<0.0083	--	0.0123	0.787	0.00017B	1.21	0.00053B	183	0.0035B	--	0.0107B	0.0162B	5.4	<0.001	41	30.4	<0.0001	0.0179B	17.5	121	--	--	0.003B	<0.0012	0.117
10/1/97	0.0482B	--	0.0139	0.786	0.0001B	0.992	<0.0003	183	0.0057B	--	0.0095B	<0.0007	11.5	0.0011B	38.5	30.9	<0.0001	0.0162B	14.2	115	--	--	<0.0026	<0.0012	0.0207
8/9/06	0.044	<0.05	<0.025	0.427	<0.005	0.562	<0.005	77.6	<0.005	--	<0.015	0.015	0.204	<0.005	17.1	12.1	<0.0004	<0.01	12.5	29.6	<0.02	<0.015	<0.03	<0.015	0.013
3/19/14	--	--	--	--	--	--	<0.002	64.7	--	--	--	--	<0.05	<0.01	14.7	8.6	--	--	7.2	11.3	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	56.5	--	--	--	--	<0.05	<0.01	12	7.2	--	--	7.4	11	--	--	--	--	--
9/16/14	<0.2	<0.02	<0.015	0.44B	<0.002	0.31	<0.002	86.7	<0.004	--	<0.004	<0.01	<0.05	<0.01	18.4	10.2	--	<0.01	11.3	16.2	<0.025	<0.006	<0.02	<0.005	<0.01

Historical Water Quality Database - Towslee Landfill
 MW-2B - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	-	0.003	0.025	1	0.004	1	0.005	-	0.05	0.05	-	0.2	0.3	0.015	-	0.3	0.0007	0.1	-	20	0.01	0.05	0.002	-	5
8/1/97	0.0179B	<0.003	0.0036B	1.55	<0.0001	0.334	<0.0003	281	0.0009B	-	0.0067B	0.0022B	0.582	-	61.7	8.07	-	0.0093B	2.8B	62.5	-	-	-	-	0.0635
10/1/97	0.0154B	<0.003	<0.0024	1.45	<0.0001	0.321	<0.0003	274	0.0014B	-	0.0061B	<0.0007	0.595	-	55	8	-	0.0097B	2.34B	62.8	-	-	-	-	0.023
3/19/14	-	-	-	-	-	-	<0.002	168	-	-	-	-	<0.05	<0.01	38	5.2	-	-	1.9	40.7	-	-	-	-	-

Historical Water Quality Database - Towslee Landfill
 MW-3A - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	-	0.003	0.025	1	0.004	1	0.005	-	0.05	0.05	-	0.2	0.3	0.015	-	0.3	0.0007	0.1	-	20	0.01	0.05	0.002	-	5
8/1/97	<0.0083	0.0038B	<0.0024	0.242	<0.0001	0.0324B	<0.0003	57.9	<0.0004	--	<0.0011	0.0024B	0.0061B	--	12.9	0.123	--	<0.0013	2.75B	10.2	--	--	--	--	0.0249
10/1/97	0.0158	<0.003	<0.0024	0.276	<0.0001	0.0275B	<0.0003	54.6	<0.0004	--	<0.0011	0.00083B	0.0114B	--	10.9	0.0941	--	0.0017B	1.42B	7.98	--	--	--	--	0.0387
3/22/06	--	--	--	--	--	--	<0.005	44.3	--	--	--	--	0.168	<0.005	8.7	0.0963	--	--	0.803	4.83	--	--	--	--	--
3/18/14	--	--	--	--	--	--	<0.002	45.4	--	--	--	--	<0.05	<0.01	8.3	0.98	--	--	0.92	4.7	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	38.3	--	--	--	--	<0.05	<0.01	7.3	1.3	--	--	0.82	3.7	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill
 MW-3B - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	--	0.003	0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	0.016B	<0.003	<0.0024	0.257	0.0001B	0.0531B	<0.0003	73.2	<0.0004	--	<0.0011	0.0024B	0.0091B	--	23	0.0617	--	<0.0013	1.62B	11.1	--	--	--	--	0.0375
10/1/97	0.0273B	<0.003	<0.0024	0.271	<0.0001	0.0559B	<0.0003	71.9	<0.0004	--	<0.0011	0.0007B	0.0191B	--	20.9	0.0553	--	0.0014B	1.27B	10.2	--	--	--	--	0.0155B
3/18/14	--	--	--	--	--	--	<0.002	55.9	--	--	--	--	<0.05	<0.01	16.6	0.032	--	--	1.1	9.3	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	55.8	--	--	--	--	<0.05	<0.01	16.4	0.0073	--	--	0.99	9.2	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill
 MW-4A - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	-	0.003	0.025	1	0.004	1	0.005	-	0.05	0.05	-	0.2	0.3	0.015	-	0.3	0.0007	0.1	-	20	0.01	0.05	0.002	-	5
8/1/97	0.0173B	<0.003	<0.0024	0.686	0.0001B	0.073B	<0.0003	112	<0.0004	-	0.0024B	0.0069B	0.005B	-	25.2	1.08	-	0.0021B	1.71B	13.5	-	-	-	-	0.0393
10/1/97	0.0228B	<0.003	<0.0024	1.06	<0.0001	0.12	<0.0003	129	<0.0004	-	0.0022B	0.0011B	0.0372B	-	26.1	2.08	-	0.0051B	1.93B	16.1	-	-	-	-	0.0166B

Historical Water Quality Database - Towslee Landfill
 MW-5A - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	-	0.003	0.025	1	0.004	1	0.005	-	0.05	0.05	-	0.2	0.3	0.015	-	0.3	0.0007	0.1	-	20	0.01	0.05	0.002	-	5
8/1/97	<0.0083	0.0059B	<0.0024	0.267	<0.0001	0.028B	<0.0003	41.2	<0.0004	-	0.0014B	0.0057B	0.0081B	-	12.6	0.0951	-	<0.0013	1.19B	31.9	-	-	-	-	0.0262
10/1/97	0.019B	<0.003	<0.0024	0.396	<0.0001	0.0218B	<0.0003	34.1	0.0004B	-	<0.0011	<0.0007	0.0117B	-	10.2	0.0433	-	<0.0013	0.84B	10.3	-	-	-	-	0.0182B

Historical Water Quality Database - Towslee Landfill
MW-6A - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum -	Antimony 0.003	Arsenic 0.025	Barium 1	Beryllium 0.004	Boron 1	Cadmium 0.005	Calcium -	Chromium 0.05	Chromium, Hex 0.05	Cobalt -	Copper 0.2	Iron 0.3	Lead 0.015	Magnesium -	Manganese 0.3	Mercury 0.0007	Nickel 0.1	Potassium -	Sodium 20	Selenium 0.01	Silver 0.05	Thallium 0.002	Vanadium -	Zinc 5
8/1/97	0.0142B	--	0.0198	0.847	0.0001B	0.284	<0.0003	104	0.0019B	--	0.0063B	0.0014B	7.81	<0.001	21	14.1	--	0.0096B	7.64	55.4	--	--	<0.0026	<0.0012	0.047
10/1/97	0.0382B	--	0.0189	0.88	--	0.333	<0.0003	88.7	0.0027B	--	0.006B	0.00077B	8.07	<0.001	17.3	12.9	--	0.0108B	7.4	55	--	--	<0.0026	<0.0012	0.0219
3/20/12	<0.1	<0.005	<0.005	0.246	<0.003	--	<0.005	53.7	<0.01	--	<0.02	<0.01	<0.06 J	<0.003	9.95	0.836	<0.0002	<0.03	<5	18	<0.003	<0.01 J	<0.003	<0.03	0.0132
5/22/12	--	--	--	--	--	--	<0.005	45.4	--	--	--	--	0.149	<0.003	9.33	0.213	--	--	<5	14	--	--	--	--	--
8/30/12	--	--	--	--	--	--	<0.005	52	--	--	--	--	2.14	--	9.23	1.36	--	--	<5	15.6	--	--	--	--	--
7/11/13	<0.2	<0.005	<0.005	0.19	<0.003	<0.5	<0.005	53	<0.005	--	<0.05	<0.05	<0.2	<0.005	9.2	1.4	<0.0002	<0.05	2.76	16	<0.005	<0.005	<0.005	<0.05	0.18
3/17/14	--	--	--	--	--	--	<0.002	48.3	--	--	--	--	<0.05	<0.01	7.9	1.9	--	--	1.8	14.3	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	49.6	--	--	--	--	<0.05	<0.01	9	1.7	--	--	1.9	13.6	--	--	--	--	--
9/15/14	<0.2	<0.02	<0.015	0.44	<0.002	0.028	<0.002	53	<0.004	--	<0.004	<0.01	<0.05	<0.01	9.2	2.7	--	<0.01	1.9	18.6	<0.025	<0.006	<0.02	<0.005	<0.01

Historical Water Quality Database - Towslee Landfill
MW-6B - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
	-	0.003	0.025	1	0.004	1	0.005	-	0.05	0.05	-	0.2	0.3	0.015	-	0.3	0.0007	0.1	-	20	0.01	0.05	0.002	-	5
8/1/97	<0.0083	<0.003	0.0048B	0.396	<0.0001	0.125	<0.0003	67.7	<0.0004	--	0.0052B	0.0011B	0.346	--	17.3	3.3	--	0.0046B	2.97B	38.2	--	--	--	--	0.0651
10/1/97	0.0132B	<0.003	0.0073B	0.478	<0.0001	0.14	<0.0003	56.3	0.00087B	--	0.0041B	<0.0007	1.42	--	12.9	3.99	--	0.0048B	2.77B	33.3	--	--	--	--	0.0207
3/20/07	--	--	--	--	--	--	<0.005	45.6	--	--	--	--	<0.06	<0.003	10.6	0.137	--	--	1.19	12.1	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill
MW-7A - Dissolved Metals (all values in mg/l)

Water Quality Stand.	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium	Chromium, Hex	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Sodium	Selenium	Silver	Thallium	Vanadium	Zinc
--	0.003		0.025	1	0.004	1	0.005	--	0.05	0.05	--	0.2	0.3	0.015	--	0.3	0.0007	0.1	--	20	0.01	0.05	0.002	--	5
8/1/97	<0.0083	--	<0.0024	0.822	0.0001B	0.331	0.0003B	220	0.0008B	--	0.0017B	0.0086B	0.009B	<0.001	56.2	4.53	<0.0001	0.0129B	5.28	120	--	--	<0.0026	<0.0012	0.0455
10/1/97	0.0755B	--	<0.0024	0.887	<0.0001	0.396	<0.0003	255	0.0011B	--	0.0031B	<0.0007	0.753	<0.001	59.9	7.12	<0.0001	0.0196B	3.98B	129	--	--	<0.0026	<0.0012	0.0186
3/22/06	--	--	--	--	--	--	<0.005	158	--	--	--	--	0.0637	<0.005	43.6	5.35	--	--	1.9	126	--	--	--	--	--
6/17/09	<0.1	<0.03	<0.01	0.599	<0.003	--	<0.005	140	<0.01	--	<0.02	<0.01	<0.06	<0.003	34.1	3.78	<0.0002	<0.03	1.82	97.2	<0.005	<0.01	<0.01	<0.03	0.0228
7/20/10	<0.1	<0.005	<0.005	0.477	<0.003	--	<0.005	129	<0.01	--	<0.02	<0.01	<0.06	<0.003	31.6	2.57	<0.0002	<0.03	<5	91.6	<0.003	<0.01	<0.003	<0.03	0.0102
10/26/10	--	--	--	--	--	--	<0.005	120	--	--	--	--	0.0978	<0.003	31.5	3.26	--	--	<5	105	--	--	--	--	--
5/24/11	--	--	--	--	--	--	<0.005	126	--	--	--	--	<0.06	<0.003	33.6	3.04	--	--	<5	113	--	--	--	--	--
9/20/11	--	--	--	--	--	--	<0.005	172	--	--	--	--	<0.06	<0.003	34.3	4.39	--	--	<5	104	--	--	--	--	--
5/22/12	--	--	--	--	--	--	<0.005	115	--	--	--	--	<0.06	<0.003	32.1	2.64	--	--	<5	81.6	--	--	--	--	--
5/21/14	--	--	--	--	--	--	<0.002	113	--	--	--	--	<0.05	<0.01	28.8	2.9	--	--	1.1	74.4	--	--	--	--	--
9/16/14	<0.2	<0.02	<0.015	0.51B	<0.002	0.39	<0.002	133	<0.004	--	<0.004	<0.01	<0.05	<0.01	34	3.2	--	0.014	1.5	85.5	<0.025	<0.006	<0.02	<0.005	<0.01

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well CD-1 - Overburden

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	10	2JB	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oct-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
12/12/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/19/12	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/15/14	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well CD-1RA - Bedrock

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oct-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
12/12/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/19/12	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/15/14	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill
Organics (ug/l) (includes only detected compounds)
Well MW-1A - Overburden

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oct-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/9/06	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
10/9/07	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
6/17/09	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
7/20/10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
12/13/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/21/12	<5 J	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/16/14	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill
Organics (ug/l) (includes only detected compounds)
Well MW-1B - Bedrock

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oct-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/9/06	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
10/9/07	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2/1/08	<5	<5	<10	13 B	<5	<5	<5	<5	<5	<5	<5	<5	<5
6/17/09	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
7/20/10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
12/13/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/21/12	<5 J	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/15/14	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill
Organics (ug/l) (includes only detected compounds)
Well MW-2A - Overburden

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	5 J	<10	1 JB	<10	<10	<10	5 J	1 J	5 J	2 J	5 J	1 J
Oct-97	<10	4 J	<10	<10	<10	<10	<10	6 J	<10	<10	<10	<10	2 J
8/9/06	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
10/9/07	<5	<5	<10	<5	<5	<5	<5	<5	<5	4 J	<5	<5	<5
2/1/08	<5	<5	<10	12 B	<5	<5	<5	<5	<5	<5	<5	<5	<5
6/17/09	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	3 J	< 5	< 5	< 5
7/20/10	<5	<5	<10	<5	<5	<5	<5	<5	<5	3 J	<5	<5	<5
12/13/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/21/12	<5 J	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/16/14	<1	<1	<10	<1	<1	<1	<1	1.1	<1	2	<1	<2	<1

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-2B - Bedrock

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	4 J	<10	1 JB	1 J	1 J	1 J	<10	<10	<10	<10	<10	<10
Oct-97	<10	3 J	<10	<10	<10	<10	1 J	2 J	<10	1 J	<10	<10	<10
8/9/06	<5	<5	<25	<5	<5	6.2	<5	<5	<5	<5	<5	<10	<5
10/9/07	5.8	4 J	<10	<5	<5	9.2	<5	<5	<5	<5	<5	<5	<5
2/1/08	<5	<5	<10	11 B	<5	9.4	<5	<5	<5	<5	<5	<5	<5
6/17/09	12	5.9	< 10	< 5	< 5	19	< 5	< 5	< 5	< 5	< 5	< 5	< 5
7/20/10	13	7	<10	<5	<5	19	<5	<5	<5	<5	<5	<5	<5
12/13/11	<5	3 J	<10 J	<5	<5	16	<5	<5	<5	<5	<5	<5	<5
3/21/12	8 J	4 J	<10	<5	<5	15	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	5.02	<25	<5	<5	28.3J	<5	<5	<5	<5	<5	<10	<5
9/16/14	6.9	3.5	<10	<1	<1	15	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-3A - Bedrock

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	2 J	5 JB	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oct-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/9/06	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
10/9/07	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2/1/08	<5	<5	<10	11 B	<5	<5	<5	<5	<5	<5	<5	<5	<5
6/17/09	< 5	< 5	24	< 5	< 5	< 5	< 5	< 5	82	< 5	< 5	< 5	< 5
7/20/10	<5	<5	<10	<5	<5	<5	<5	<5	77 J	<5	<5	<5	<5
12/12/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/19/12	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/16/14	<1	<1	11J	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-3B - Bedrock

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oct-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
12/12/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/19/12	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/16/14	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-4A - Bedrock

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	<10	6JB	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oct-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
12/12/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/19/12	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/16/14	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-5A - Bedrock

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	<10	7JB	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oct-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/16/14	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-6A - Overburden

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	<10	<10	<10	<10	1J	<10	<10	<10	<10	<10	<10
Oct-97	<10	1J	<10	<10	<10	<10	1J	<10	<10	<10	<10	<10	<10
12/12/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/19/12	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/15/14	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill
Organics (ug/l) (includes only detected compounds)
Well MW-6B - Bedrock

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oct-97	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8/9/06	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
10/9/07	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2/1/08	<5	<5	<10	12 B	<5	<5	<5	<5	<5	<5	<5	<5	<5
6/17/09	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
7/20/10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
12/12/11	<5	<5	<10 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
3/19/12	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5
9/15/14	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-7A - Overburden

Water Quality Standard	Vinyl Chloride	Chloroethane	Acetone	Methylene Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Benzene	Toluene	Chlorobenzene	Ethylbenzene	Xylenes(total)	1,4-Dichlorobenzene
	2	5	50	5	5	5	5	1	5	5	5	5	5
Aug-97	2 J	<10	<10	1 JB	1 J	1 J	3 J	<10	<10	<10	<10	<10	<10
Oct-97	5 J	1 J	<10	<10	2 J	2 J	4 J	<10	<10	<10	<10	<10	<10
8/9/06	<5	<5	<25	<5	<5	7.1	6.1	<5	<5	<5	<5	<10	<5
10/9/07	4 J	<5	<10	<5	<5	6.1	5 J	<5	<5	<5	<5	<5	<5
2/1/08	8.2	<5	<10	<5	<5	9	7.9	<5	<5	<5	<5	<5	<5
6/17/09	5.7	<5	<10	<5	<5	5.4	5 J	<5	<5	<5	<5	<5	<5
7/20/10	4 J	<5	11	<5	<5	5 J	4 J	<5	<5	<5	<5	<5	<5
12/12/11	4 J	<5	<10 J	<5	<5	5 J	4 J	<5	<5	<5	<5	<5	<5
3/20/12	<5	<5	<10	<5	<5	3 J	3 J	<5	<5	<5	<5	<5	<5
7/11/13	<5	<5	<25	<5	<5	6.59J	5.22J	<5	<5	<5	<5	<10	<5
9/16/14	3.2	<1	<10	<1	<1	4.1	2.9	<1	<1	<1	<1	<2	<1

Appendix C

Historical Summary of Parameters Identified by B&L in 1997 that are Suggestive of Mild Leachate Contamination

Cortland County Towslee Landfill

Conventional

Alkalinity
Hardness
Chloride
Ammonia
TKN
COD
TOC

Metals

Aluminum
Arsenic
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Potassium
Sodium
Vanadium
Zinc

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Conventionals

(Note: Qualifiers are not included in these tables, except"<")

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Chloride MG/L	1997_Q3	--	<2	152	<2	156	267	31.4	32	79.1	44.5	79.1	38.2	300
	1997_Q4	--	2.5	46	<2	149	238	28.7	33.6	74.6	10.1	71.8	35	276
	2006_Q1	--	--	21.3	2.55	23.3	145	14	--	--	--	--	21.1	144
	2006_Q2	--	--	22.2	2.28	25.7	154	12.7	--	--	--	--	2.33	143
	2006_Q3	--	--	34.2	3.47	23.5	122	13.5	--	--	--	--	2.32	119
	2006_Q4	--	--	26.7	0.611	25.7	121	12.7	--	--	--	--	3.39	85
	2007_Q1	--	--	28.7	3.24	21.2	167	3.37	--	--	--	--	11.6	145
	2007_Q2	--	--	27	4.45	14.7	131	1.8	--	--	--	--	6.99	131
	2007_Q3	--	--	27	3.16	24.4	163	12	--	--	--	--	13.8	145
	2007_Q4	--	--	27.9	6.44	10.6	161	5.73	--	--	--	--	25.9	141
	2008_Q1	--	--	--	3.15	21	160	2.43	--	--	--	--	16.7	141
	2008_Q2	--	--	28	5.95	13.5	132	10.5	--	--	--	--	16.9	1260
	2008_Q3	--	--	25.9	5.61	20.2	148	1.1	--	--	--	--	31.1	136
	2008_Q4	--	--	29.7	6.03	15.5	162	1.75	--	--	--	--	28.6	135
	2009_Q1	--	--	30.4	2.86	13.7	118	1.85	--	--	--	--	13.3	114
	2009_Q2	--	--	30.7	4.74	20.5	159	9.25	--	--	--	--	19.4	128
	2009_Q3	--	--	29.5	6.86	17.7	150	<1	--	--	--	--	19.7	120
	2009_Q4	--	--	30	4.71	12.5	140	<1	--	--	--	--	14.7	117
	2010_Q1	--	--	--	--	12.4	112	14.8	--	--	--	--	13.2	104
	2010_Q2	--	--	31.7	3.54	14.5	130	1.31	--	--	--	--	12	89.1
	2010_Q3	--	--	33	3.63	22.5	139	7.44	--	--	--	--	14	128
	2010_Q4	--	--	31.4	6.11	17.1	127	3.3	--	--	--	--	16	115
	2011_Q1	--	--	32	4.07	11.2	124	2.69	--	--	--	--	11.9	95.7
	2011_Q2	--	--	30.5	1.7	8.33	104	2.28	--	--	--	--	16.4	99
	2011_Q3	1.41	2.2	32.1	3.4	16.2	108	4.03	23.7	23.6	--	21.4	12.7	100
	2011_Q4	6.88	3.67	28.5	1.69	10.2	102	3.44	27.7	25.5	--	13.9	19.4	108
	2012_Q1	<1	1.43	33.9	6.68	8.96	123	1.88	23.8	21.5	--	8.86	16.2	99.4
	2012_Q2	1.2	1.46	33.1	2.47	11.6	124	1.59	23.4	22.3	--	20	10.1	99.5
	2012_Q3	1.45	1.77	33.5	6.77	17.6	118	7.33	23.4	19.4	--	23.8	23.3	103
	2012_Q4	1.34	1.78	33.5	2.23	10.7	120	1.44	23.2	18.5	5.28	12.1	17.3	98.6
	2013_Q1	<2	<2	33.9	2.18	10.8	118	2.8	24.4	17.1	6.09	13.6	8.22	93.7
	2013_Q2	1.56	1.85	31.6	2.14	8.57	93.2	1.28	21.4	16.9	5.39	10.2	11.4	76.8
	2013_Q3	1.47	1.95	31.8	2.18	116	11.6	1.37	21.4	17.7	5.61	12.4	17.1	80.6
	2013_Q4	1.41	2.01	30.3	2.13	10.7	88.6	1.35	19.5	15.7	5.1	11.3	13.4	72.4
	2014_Q1	<1	1.4	--	--	17.1	114	4	25.2	18.6	5.6	14.5	26.3	--
	2014_Q2	2.2	1.4	33.7	1.8	10.8	98.8	3	24.1	16.9	6	6.1	17.4	73.5
	2014_Q3	1.4	2.8	38.5	2.1	18.5	117	2.6	25.3	19.7	6.9	30.2	23.6	78.3

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Conventionals

(Note: Qualifiers are not included in these tables, except"<")

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
TKN MG/L	1997_Q3	--	0.2	18	<0.2	31.5	2.6	0.4	0.3	0.5	0.4	1.5	0.6	1.1
	1997_Q4	--	0.21	3.8	<0.2	21.2	2	0.24	<0.2	0.4	0.24	<0.2	3.3	1.4
	2006_Q1	--	--	23.3	0.54	10.6	1.31	0.455	--	--	--	--	0.392	1.5
	2006_Q2	--	--	0.529	0.755	14	1.78	1.09	--	--	--	--	0.904	1.68
	2006_Q3	--	--	0.366	0.497	16.5	1.64	0.239	--	--	--	--	0.214	0.75
	2006_Q4	--	--	<0.2	<0.2	15	1.9	0.266	--	--	--	--	0.279	1.11
	2007_Q1	--	--	2.2	<0.5	132	1.84	4.26	--	--	--	--	<0.5	1.47
	2007_Q2	--	--	<0.5	<0.5	12.5	1.62	1.47	--	--	--	--	<0.5	3.6
	2007_Q3	--	--	5.66	<0.5	16.1	1.67	<0.5	--	--	--	--	<0.5	0.784
	2007_Q4	--	--	<0.5	<0.5	12.6	1.53	<0.5	--	--	--	--	<0.5	0.591
	2008_Q1	--	--	--	<0.5	10.7	1.33	<0.5	--	--	--	--	<0.5	0.522
	2008_Q2	--	--	<0.5	<0.5	11.2	1.55	<0.5	--	--	--	--	<0.5	0.949
	2008_Q3	--	--	<0.5	<0.5	12.9	1.03	0.718	--	--	--	--	<0.5	<0.5
	2008_Q4	--	--	<0.5	<0.5	11.6	1.13	<0.5	--	--	--	--	<0.5	<0.5
	2009_Q1	--	--	<0.5	<0.5	10.3	1.22	<0.5	--	--	--	--	<0.5	1.92
	2009_Q2	--	--	<0.5	<0.5	13.5	1.19	<0.5	--	--	--	--	<0.5	0.851
	2009_Q3	--	--	<0.5	<0.5	13.1	1.07	0.786	--	--	--	--	<0.5	0.927
	2009_Q4	--	--	<0.5	<0.5	12.5	1.12	1.36	--	--	--	--	<0.5	0.599
	2010_Q1	--	--	--	--	11.6	1.28	<0.5	--	--	--	--	<0.5	1.02
	2010_Q2	--	--	<0.5	<0.5	11.9	1.55	1.14	--	--	--	--	0.522	1.4
	2010_Q3	--	--	<0.5	<0.5	16.5	1.37	1.26	--	--	--	--	<0.5	1.27
	2010_Q4	--	--	0.897	0.924	9.84	2.45	1.83	--	--	--	--	0.799	2.15
	2011_Q1	--	--	<0.5	<0.5	7.95	1.14	<0.5	--	--	--	--	<0.5	0.639
	2011_Q2	--	--	<0.5	<0.5	8.21	0.948	<0.5	--	--	--	--	<0.5	<0.5
	2011_Q3	<0.5	<0.5	<0.5	<0.5	9.52	1.95	0.508	<0.5	<0.5	--	<0.5	<0.5	1.03
	2011_Q4	<0.5	<0.5	<0.5	<0.5	6.86	1.46	<0.5	<0.5	<0.5	--	1.12	0.546	2.19
	2012_Q1	<0.5	<0.5	0.994	<0.5	4.95	<0.5	<0.5	<0.5	<0.5	--	1.16	<0.5	<0.5
	2012_Q2	<0.5	<0.5	<0.5	<0.5	6.56	0.811	<0.5	<0.5	<0.5	--	1.89	<0.5	<0.5
	2012_Q3	<0.5	<0.5	<0.5	<0.5	8.58	1.38	<0.5	<0.5	<0.5	--	2.38	<0.5	0.627
	2012_Q4	<0.5	<0.5	<0.5	0.594	6.56	1.66	<0.5	<0.5	<0.5	<0.5	1.27	<0.5	0.608
	2013_Q1	<0.5	<0.5	<0.5	<0.5	4.83	0.883	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2013_Q2	<0.5	0.517	<0.5	<0.5	6.92	1.44	0.896	<0.5	<0.5	<0.5	3.12	<0.5	0.634
	2013_Q3	<0.5	<0.5	<0.5	<0.5	1.09	7.19	0.54	<0.5	<0.5	<0.5	1.34	<0.5	<0.5
	2013_Q4	<1	<1	<1	<1	6.13	1.17	<1	<1	<1	<1	<1	<1	<1
	2014_Q1	<0.2	3.1	--	--	7	1.3	0.41	<0.2	0.31	0.23	0.43	<0.2	--
	2014_Q2	0.56	2.4	1.2	<0.2	8.2	1.4	0.52	<0.2	0.22	<0.2	5.9	<0.2	0.62
	2014_Q3	0.56	0.31	0.51	<0.2	9.1	1.3	1.3	0.3	0.28	0.27	1.5	0.58	1.4

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Conventionals

(Note: Qualifiers are not included in these tables, except"<")

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
TOC MG/L	1997_Q3	--	2.1	4.2	9.3	42.5	12.3	4.5	7.9	7.7	2.7	14	6	10.1
	1997_Q4	--	<1	1.6	<1	24.1	11.9	1.9	3.7	5.6	<1	10.6	5.8	12.6
	2006_Q1	--	--	4.76	5.41	10.1	<2	5.58	--	--	--	--	5.22	12.8
	2006_Q2	--	--	2.61	2.34	7.18	7.76	<2	--	--	--	--	3.14	8.19
	2006_Q3	--	--	<2	<2	5.67	4.82	<2	--	--	--	--	<2	6.12
	2006_Q4	--	--	<2	<2	5.68	7.49	<2	--	--	--	--	<2	7.46
	2007_Q1	--	--	<3	<3	6.7	6.4	<3	--	--	--	--	<3	8.1
	2007_Q2	--	--	<3	<3	4.8	3	<3	--	--	--	--	<3	6
	2007_Q3	--	--	<3	<3	7.3	5.7	<3	--	--	--	--	<3	7.2
	2007_Q4	--	--	<3	<3	6.3	17.2	3.7	--	--	--	--	<3	11.5
	2008_Q1	--	--	--	<3	21.8	82.6	<3	--	--	--	--	<3	69.9
	2008_Q2	--	--	<3	<3	5.2	23.2	<3	--	--	--	--	<3	17.8
	2008_Q3	--	--	<3	<3	6.3	4.7	7.3	--	--	--	--	<3	5.2
	2008_Q4	--	--	<3	<3	6	6.8	3.6	--	--	--	--	<3	6.1
	2009_Q1	--	--	<3	<3	4.8	4.5	<3	--	--	--	--	<3	5.1
	2009_Q2	--	--	<3	<3	7.2	5.5	<3	--	--	--	--	<3	5.7
	2009_Q3	--	--	<3	<3	5.9	4.6	9.2	--	--	--	--	<3	5
	2009_Q4	--	--	<3	<3	6.5	4.6	5.7	--	--	--	--	<3	5.2
	2010_Q1	--	--	--	--	5.2	3.5	<3	--	--	--	--	<3	4.9
	2010_Q2	--	--	<3	<3	6.7	5.8	9	--	--	--	--	<3	6.7
	2010_Q3	--	--	<3	<3	7.8	5.7	<3	--	--	--	--	<3	6
	2010_Q4	--	--	<3	<3	6	5.4	6.6	--	--	--	--	<3	6.1
	2011_Q1	--	--	<3	<3	4.4	4.2	<3	--	--	--	--	<3	5.1
	2011_Q2	--	--	<3	<3	<3	3.6	<3	--	--	--	--	<3	4.8
	2011_Q3	<3	<3	<3	<3	5.1	5.4	3.1	<3	4	--	<3	<3	6.1
	2011_Q4	<3	<3	<3	<3	3.4	3.4	<3	<3	<3	--	<3	<3	4.1
	2012_Q1	<3	<3	<3	<3	7.4	20.7	4.4	4.5	8.4	--	5.6	<3	15.1
	2012_Q2	<3	<3	<3	<3	5.5	14.4	<3	<3	<3	--	<3	<3	7.3
	2012_Q3	<3	<3	<3	<3	6.9	6.6	<3	<3	<3	--	<3	<3	6.7
	2012_Q4	<3	<3	<3	<3	7	<3	<3	<3	<3	<3	<3	<3	4.2
	2013_Q1	2.31	1.6	0.947	<1	5.98	8.99	3.78	1.74	4.89	0.612	3.56	1.09	8.17
	2013_Q2	7.34	1.01	1.04	0.643	6.46	10.1	9.41	1.89	3.56	1.58	4.91	1.73	6.56
	2013_Q3	1.49	1.8	1.58	1.26	8.86	8.07	10.9	2.96	8.21	1.64	5.3	3.27	14.3
	2013_Q4	<0.5	<0.5	<0.5	<0.5	4.56	2.34	5.35	0.894	1.96	0.685	2.25	1.03	2.96
	2014_Q1	<1	<1	--	--	5.6	4.3	2.2	1.2	2.3	1.4	2.5	1.3	--
	2014_Q2	<1	<1	<1	<1	4.6	4.6	2.6	<1	1.3	<1	2.2	<1	4.8
	2014_Q3	<1	<1	<1	<1	5.2	4.2	9.1	<1	1.7	<1	2.2	1.6	4.3

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Conventionals

(Note: Qualifiers are not included in these tables, except"<")

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Alkalinity MG/L	1997_Q3	--	134	160	94.8	702	577	145	235	253	130	357	240	569
	1997_Q4	--	132	145	93.6	784	673	146	190	355	115	325	224	660
	2006_Q1	--	--	127	92	330	652	162	--	--	--	--	131	648
	2006_Q2	--	--	139	94	355	670	170	--	--	--	--	148	675
	2006_Q3	--	--	122	91	384	612	140	--	--	--	--	154	595
	2006_Q4	--	--	132	89	423	646	152	--	--	--	--	153	635
	2007_Q1	--	--	140	99	380	650	82	--	--	--	--	180	640
	2007_Q2	--	--	120	96	320	480	59	--	--	--	--	160	510
	2007_Q3	--	--	120	100	420	600	170	--	--	--	--	150	530
	2007_Q4	--	--	130	100	290	640	130	--	--	--	--	140	540
	2008_Q1	--	--	--	100	360	640	110	--	--	--	--	140	570
	2008_Q2	--	--	120	100	290	620	170	--	--	--	--	140	560
	2008_Q3	--	--	120	100	380	640	91	--	--	--	--	110	600
	2008_Q4	--	--	120	99	360	680	97	--	--	--	--	120	670
	2009_Q1	--	--	130	92	320	650	18	--	--	--	--	120	500
	2009_Q2	--	--	100	100	360	580	160	--	--	--	--	140	500
	2009_Q3	--	--	120	98	340	650	50	--	--	--	--	140	480
	2009_Q4	--	--	120	86	280	610	79	--	--	--	--	140	520
	2010_Q1	--	--	--	--	310	600	180	--	--	--	--	150	600
	2010_Q2	--	--	140	100	300	610	93	--	--	--	--	150	500
	2010_Q3	--	--	120	91	360	630	160	--	--	--	--	140	510
	2010_Q4	--	--	120	90	310	600	130	--	--	--	--	160	520
	2011_Q1	--	--	130	100	260	710	75	--	--	--	--	130	600
	2011_Q2	--	--	120	93	250	540	150	--	--	--	--	150	510
	2011_Q3	130	120	130	100	300	630	180	240	410	--	200	160	560
	2011_Q4	140	150	150	120	270	570	140	240	400	--	210	180	550
	2012_Q1	130	140	130	110	260	490	130	260	460	--	200	140	500
	2012_Q2	120	140	140	100	250	790	160	210	350	--	130	190	520
	2012_Q3	130	130	120	100	340	670	160	200	450	--	180	140	490
	2012_Q4	130	130	130	95	250	650	110	200	390	94	200	140	510
	2013_Q1	121	92	128	101	198	626	102	204	420	104	185	155	504
	2013_Q2	82	120	94	96	232	552	120	195	315	100	152	149	428
	2013_Q3	127	138	143	86	440	288	151	208	379	123	301	153	465
	2013_Q4	117	107	128	96	207	701	91	211	375	90	176	151	411
	2014_Q1	158	169	--	--	321	684	143	227	470	125	214	154	--
	2014_Q2	79.7	151	149	110	250	657	139	250	319	139	136	203	520
	2014_Q3	129	144	159	99.3	351	339	162	185	300	129	162	173	388

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Conventionals

(Note: Qualifiers are not included in these tables, except "<")

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Ammonia MG/L	1997_Q3	--	0.04	6	<0.02	23	0.95	<0.02	<0.02	<0.02	<0.02	1.6	0.09	0.93
	1997_Q4	--	0.11	2.6	0.04	9.1	1.3	0.09	0.04	0.2	0.18	0.02	2.5	0.89
	2006_Q1	--	--	0.276	0.0938	10.6	0.389	0.0969	--	--	--	--	0.0549	0.34
	2006_Q2	--	--	<0.02	<0.02	18.4	0.824	<0.02	--	--	--	--	<0.02	<0.02
	2006_Q3	--	--	0.161	<0.02	16	0.786	<0.02	--	--	--	--	0.096	<0.02
	2006_Q4	--	--	<0.1	<0.1	15.1	0.282	<0.1	--	--	--	--	<0.1	<0.1
	2007_Q1	--	--	<0.5	<0.5	10.2	0.921	1.45	--	--	--	--	<0.5	<0.5
	2007_Q2	--	--	<0.5	<0.5	9.89	0.844	<0.5	--	--	--	--	<0.5	<0.5
	2007_Q3	--	--	<0.5	<0.5	14.1	1.31	<0.5	--	--	--	--	<0.5	<0.5
	2007_Q4	--	--	<0.5	<0.5	13.5	1.22	<0.5	--	--	--	--	<0.5	<0.5
	2008_Q1	--	--	--	<0.5	8.78	0.785	<0.5	--	--	--	--	<0.5	<0.5
	2008_Q2	--	--	<0.5	<0.5	8.2	0.572	<0.5	--	--	--	--	<0.5	<0.5
	2008_Q3	--	--	<0.5	<0.5	11.9	1.01	<0.5	--	--	--	--	<0.5	<0.5
	2008_Q4	--	--	<0.5	<0.5	10.8	0.504	<0.5	--	--	--	--	<0.5	<0.5
	2009_Q1	--	--	<0.5	<0.5	8.43	0.642	<0.5	--	--	--	--	<0.5	<0.5
	2009_Q2	--	--	<0.5	<0.5	11.8	0.665	<0.5	--	--	--	--	<0.5	<0.5
	2009_Q3	--	--	<0.5	<0.5	10.3	0.73	<0.5	--	--	--	--	<0.5	<0.5
	2009_Q4	--	--	<0.5	<0.5	8.75	0.696	<0.5	--	--	--	--	<0.5	<0.5
	2010_Q1	--	--	--	--	8.45	0.69	<0.5	--	--	--	--	<0.5	<0.5
	2010_Q2	--	--	<0.5	<0.5	8.06	1.18	<0.5	--	--	--	--	<0.5	<0.5
	2010_Q3	--	--	<0.5	<0.5	10.1	0.812	<0.5	--	--	--	--	<0.5	<0.5
	2010_Q4	--	--	<0.5	<0.5	6.9	<0.5	<0.5	--	--	--	--	<0.5	<0.5
	2011_Q1	--	--	<0.5	<0.5	5.38	0.593	<0.5	--	--	--	--	<0.5	<0.5
	2011_Q2	--	--	<0.5	<0.5	7.03	0.752	<0.5	--	--	--	--	<0.5	<0.5
	2011_Q3	<0.5	<0.5	<0.5	<0.5	5.16	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5
	2011_Q4	<0.5	<0.5	<0.5	<0.5	5.24	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5
	2012_Q1	<0.5	<0.5	<0.5	<0.5	5.32	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5
	2012_Q2	<0.5	<0.5	<0.5	<0.5	5.9	0.76	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5
	2012_Q3	<0.5	<0.5	<0.5	<0.5	8.45	0.899	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5
	2012_Q4	<0.5	<0.5	<0.5	<0.5	4.73	1.21	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2013_Q1	<0.5	<0.5	<0.5	4.2	<0.5	0.74	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5
	2013_Q2	<0.5	0.555	<0.5	5.79	<0.5	1.08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2013_Q3	<0.1	<0.1	<0.1	<0.1	1.03	7.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2013_Q4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2014_Q1	<0.02	<0.02	--	--	7.1	0.7	<0.02	<0.02	<0.02	<0.02	0.096	<0.02	--
	2014_Q2	0.04	0.095	0.06	<0.02	5.2	0.77	<0.02	<0.02	<0.02	<0.02	0.24	<0.02	0.027
	2014_Q3	0.02	0.026	0.035	<0.02	7.2	0.57	0.13	<0.02	<0.02	<0.02	0.091	<0.02	0.091

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Conventionals

(Note: Qualifiers are not included in these tables, except"<")

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
COD MG/L	1997_Q3	--	<15	305	<15	127	58	19	22	37	16	94	40	43
	1997_Q4	--	<15	64	<15	136	61	<15	<15	22	<15	82	19	112
	2006_Q1	--	--	<10	<10	<10	<10	<10	--	--	--	--	<10	21.2
	2006_Q2	--	--	<10	<10	13.8	17.2	<10	--	--	--	--	<10	16.5
	2006_Q3	--	--	<10	<10	27	24.6	13	--	--	--	--	11.6	26.4
	2006_Q4	--	--	<10	<10	15.6	27	<10	--	--	--	--	<10	20.5
	2007_Q1	--	--	<20	<20	<20	21	47	--	--	--	--	<20	27
	2007_Q2	--	--	<20	<20	<20	<20	<20	--	--	--	--	<20	<20
	2007_Q3	--	--	<20	<20	46	<20	<20	--	--	--	--	<20	<20
	2007_Q4	--	--	<20	<20	22	<20	<20	--	--	--	--	<20	<20
	2008_Q1	--	--	--	<20	23	24	23	--	--	--	--	<20	<20
	2008_Q2	--	--	<20	<20	21	<20	<20	--	--	--	--	<20	36
	2008_Q3	--	--	<20	<20	36	<20	34	--	--	--	--	<20	22
	2008_Q4	--	--	<20	<20	32	<20	<20	--	--	--	--	<20	29
	2009_Q1	--	--	<20	<20	<20	<20	<20	--	--	--	--	<20	<20
	2009_Q2	--	--	<20	<20	31	23	<20	--	--	--	--	<20	38
	2009_Q3	--	--	<20	<20	32	26	40	--	--	--	--	<20	37
	2009_Q4	--	--	<20	<20	26	<20	35	--	--	--	--	<20	21
	2010_Q1	--	--	--	--	41	22	<20	--	--	--	--	<20	33
	2010_Q2	--	--	<20	<20	23	<20	30	--	--	--	--	<20	28
	2010_Q3	--	--	<20	<20	50	<20	27	--	--	--	--	<20	31
	2010_Q4	--	--	<20	<20	20	25	29	--	--	--	--	<20	40
	2011_Q1	--	--	<20	<20	<20	<20	<20	--	--	--	--	<20	28
	2011_Q2	--	--	<20	<20	24	<20	<20	--	--	--	--	<20	33
	2011_Q3	<20	<20	<20	<20	<20	<20	<20	<20	<20	--	<20	<20	29
	2011_Q4	<20	<20	<20	<20	<20	25	<20	<20	<20	--	<20	<20	40
	2012_Q1	<20	<20	<20	<20	<20	<20	<20	<20	<20	--	<20	<20	22
	2012_Q2	<20	<20	<20	<20	36	<20	<20	<20	<20	--	<20	<20	22
	2012_Q3	<20	<20	<20	<20	24	21	<20	<20	<20	--	27	<20	21
	2012_Q4	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
	2013_Q1	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	2013_Q2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	2013_Q3	<10	<10	<10	<10	13	12	24	<10	<10	<10	<10	<10	13
	2013_Q4	<10	<10	<10	<10	14	<10	<10	<10	<10	<10	<10	<10	12
	2014_Q1	<10	<10	--	--	54.8	<10	12.6	<10	11.6	<10	<10	<10	--
	2014_Q2	<10	<10	<10	<10	17.6	13.2	10.7	<10	21.7	<10	15.4	<10	17.3
	2014_Q3	<10	<10	<10	<10	20.3	16.4	36.1	<10	<10	<10	11.9	<10	19

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Conventionals

(Note: Qualifiers are not included in these tables, except"<")

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Hardness MG/L	1997_Q3	--	160	4000	88	1300	960	1250	280	308	250	650	300	1010
	1997_Q4	--	160	240	140	720	900	200	300	464	140	550	240	1150
	2006_Q1	--	--	167	97.6	241	697	153	--	--	--	--	135	627
	2006_Q2	--	--	140	81.9	260	726	179	--	--	--	--	144	599
	2006_Q3	--	--	148	89	265	686	191	--	--	--	--	131	531
	2006_Q4	--	--	148	82	301	675	158	--	--	--	--	133	526
	2007_Q1	--	--	134	83.6	225	723	74	--	--	--	--	156	529
	2007_Q2	--	--	153	105	262	575	58.1	--	--	--	--	139	499
	2007_Q3	--	--	148	104	275	716	150	--	--	--	--	138	481
	2007_Q4	--	--	146	90.8	165	652	86.2	--	--	--	--	124	459
	2008_Q1	--	--	--	89.3	246	678	97.7	--	--	--	--	136	528
	2008_Q2	--	--	151	103	203	654	123	--	--	--	--	142	506
	2008_Q3	--	--	159	107	303	728	76.7	--	--	--	--	137	538
	2008_Q4	--	--	165	105	343	788	97.9	--	--	--	--	134	569
	2009_Q1	--	--	161	97.1	229	678	38.1	--	--	--	--	142	496
	2009_Q2	--	--	163	111	295	782	196	--	--	--	--	154	534
	2009_Q3	--	--	158	108	265	755	37.8	--	--	--	--	148	499
	2009_Q4	--	--	161	206	95	608	65.4	--	--	--	--	138	473
	2010_Q1	--	--	--	--	291	609	93.2	--	--	--	--	163	508
	2010_Q2	--	--	161	92.9	235	681	58	--	--	--	--	147	435
	2010_Q3	--	--	167	106	313	730	194	--	--	--	--	144	520
	2010_Q4	--	--	169	104	260	693	66.9	--	--	--	--	147	507
	2011_Q1	--	--	159	108	190	677	45.7	--	--	--	--	145	484
	2011_Q2	--	--	164	87.4	167	589	137	--	--	--	--	153	465
	2011_Q3	150	135	172	115	253	773	187	274	496	--	208	172	585
	2011_Q4	145	155	177	108	199	713	122	264	430	--	194	166	505
	2012_Q1	144	164	225	124	170	712	147	262	444	--	197	146	524
	2012_Q2	146	155	175	111	207	643	146	259	384	--	169	150	449
	2012_Q3	119	135	148	107	268	664	159	223	421	--	185	151	431
	2012_Q4	158	156	169	94.4	212	730	118	248	469	112	214	168	515
	2013_Q1	149	118	187	97.8	188	737	88.3	249	491	94	202	154	518
	2013_Q2	88.6	138	168	92.1	124	411	135	145	237	100	160	138	271
	2013_Q3	125	145	157	84.5	691	241	137	218	394	113	171	153	446
	2013_Q4	129	149	155	81.3	226	654	125	235	405	108	174	143	426
	2014_Q1	194	624	--	--	273	677	179	283	461	120	266	152	--
	2014_Q2	222	500	303	79.1	236	622	127	213	337	105	226	140	414
	2014_Q3	162	181	208	82.2	313	653	136	221	393	117	213	157	506

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l) (Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Aluminum	1997_Q3	--	0.587	724	0.662	79.3	2.03	21.7	2.01	1.61	10.1	59.1	8.59	40
	1997_Q4	--	5.24	16.9	0.134	59.1	5.31	2.39	0.184	1.32	0.228	38.6	0.642	88.4
	2006_Q3	--	--	2.96	1.09	0.43	0.18	0.078	--	--	--	--	0.115	0.415
	2007_Q4	--	--	2.07	0.537	0.444	<0.1	0.33	--	--	--	--	0.102	2.43
	2008_Q1	--	--	--	0.518	1.98	0.168	0.23	--	--	--	--	0.134	0.919
	2009_Q2	--	--	1.57	0.255	<0.1	0.235	<0.1	--	--	--	--	<0.1	9.56
	2010_Q3	--	--	0.142	<0.1	3.37	<0.1	5.32	--	--	--	--	<0.1	1.52
	2011_Q4	0.383	1.7	0.711	0.305	0.317	0.175	0.107	0.253	0.153	--	0.683	<0.1	2.12
	2012_Q1	1.32	0.145	19.1	0.141	0.323	0.536	1.33	0.148	0.39	--	3.91	<0.1	0.709
	2013_Q2	0.73	1.5	6.4	<0.2	0.53	<0.2	<0.2	<0.2	<0.2	<0.2	3.7	0.48	1.3
	2014_Q3	8.7	7.8	24.5	0.32	19.9	4.3	0.38	2.8	1.1	0.51	37.6	13.4	36.4
Arsenic	1997_Q3	--	0.0032	0.353	<0.0024	0.0631	0.007	0.0127	<0.0024	<0.0024	0.0061	0.0476	0.009	0.0176
	1997_Q4	--	0.004	0.0134	<0.0024	0.0537	0.0083	<0.0024	<0.0024	<0.0024	<0.0024	0.0404	0.0084	0.0459
	2006_Q3	--	--	<0.025	<0.025	<0.025	<0.025	<0.025	--	--	--	--	<0.025	<0.025
	2007_Q4	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.01	<0.01
	2008_Q1	--	--	--	<0.01	0.0145	<0.01	<0.01	--	--	--	--	<0.01	<0.01
	2009_Q2	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.01	<0.01
	2010_Q3	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	<0.005	<0.005
	2011_Q4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
	2012_Q1	<0.005	<0.005	0.0115	<0.005	0.00679	<0.005	<0.005	<0.005	<0.005	--	0.00689	<0.005	0.00582
	2013_Q2	<0.005	<0.005	<0.005	<0.005	0.0054	<0.005	0.0098	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	2014_Q3	<0.015	<0.015	0.015	<0.015	0.023	<0.015	0.019	<0.015	<0.015	<0.015	0.039	<0.015	0.016

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l) (Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Calcium	1997_Q3	--	41.5	430	26.7	186	288	57.8	73.8	110	45.8	99.1	70.5	234
	1997_Q4	--	45.7	48.6	24.7	172	245	53.7	74.4	127	32.1	82.2	55.6	271
	2006_Q1	--	--	46.2	26.8	69.1	203	46.3	--	--	--	--	39.3	171
	2006_Q2	--	--	41.8	23.9	74.1	216	55.3	--	--	--	--	39.6	165
	2006_Q3	--	--	43.2	25.8	77.3	203	57.9	--	--	--	--	36.1	150
	2006_Q4	--	--	43.9	24.1	88.5	200	48.3	--	--	--	--	37.4	148
	2007_Q1	--	--	39.2	23.7	64.2	216	23	--	--	--	--	45.6	149
	2007_Q2	--	--	44.5	30	75.3	170	18.1	--	--	--	--	39.9	140
	2007_Q3	--	--	43.5	29.9	80.4	214	45.1	--	--	--	--	40.2	135
	2007_Q4	--	--	42.2	26	47.9	195	27.5	--	--	--	--	36.7	131
	2008_Q1	--	--	--	25.1	70.3	201	30.2	--	--	--	--	39.2	148
	2008_Q2	--	--	43.2	28.6	57.5	192	37.6	--	--	--	--	39.5	139
	2008_Q3	--	--	46.2	30.2	87.8	214	24.4	--	--	--	--	39	150
	2008_Q4	--	--	48.3	30	99	235	31.3	--	--	--	--	38.7	162
	2009_Q1	--	--	47.2	27.7	66.7	201	12.3	--	--	--	--	39.6	140
	2009_Q2	--	--	47	31.4	87.1	237	59.5	--	--	--	--	42.9	150
	2009_Q3	--	--	46.5	31.1	78.6	227	15.2	--	--	--	--	42	144
	2009_Q4	--	--	45	58.7	26.5	178	26.2	--	--	--	--	38.2	131
	2010_Q1	--	--	--	--	71.1	177	28.8	--	--	--	--	45	139
	2010_Q2	--	--	47	26.5	68.7	202	23.2	--	--	--	--	40.6	122
	2010_Q3	--	--	48.9	30.3	91.2	216	57.3	--	--	--	--	39.9	147
	2010_Q4	--	--	49	29.7	74.6	207	26.8	--	--	--	--	40.9	143
	2011_Q1	--	--	45.6	30.5	54.9	200	18.3	--	--	--	--	40.1	136
	2011_Q2	--	--	46.9	24.9	48.7	172	42.9	--	--	--	--	43.3	130
	2011_Q3	45.2	41	51.5	34.3	76.9	237	58.9	75.8	153	--	66.6	49.7	173
	2011_Q4	41.6	44.1	51	30.8	58.1	212	38.6	70	128	--	59.7	48.1	146
	2012_Q1	40.7	47.1	58.2	35	49.6	208	44.9	69	131	--	58.8	40.8	149
	2012_Q2	41.2	43.1	49.4	30.4	59.2	184	43.6	66.6	110	--	50.9	39.8	123
	2012_Q3	34.7	38.5	42.8	30.4	78.8	196	47.5	59.1	123	--	57.5	42.9	123
	2012_Q4	45.2	44.3	47.9	26.5	61.5	216	36.9	65.1	137	29.1	65.7	47.5	144
	2013_Q1	44.9	37.2	56.1	29.3	57.6	225	28.8	69.8	150	25.2	64.3	44.3	150
	2013_Q2	26.6	39.9	47	26.7	30.7	105	43.6	31.3	59.7	27.4	47.7	40.2	64.3
	2013_Q3	37.2	42.6	46.7	24.7	213	73.7	44.3	60.3	119	30.8	54.5	44.1	133
	2013_Q4	37.4	42.2	45.1	23.4	68.7	199	39.7	64.4	122	28.4	55.5	40.6	124
	2014_Q1	56.8	169	--	--	74.4	198	54.2	75.6	135	31.8	60.4	43.2	--
	2014_Q2	65.6	127	68.4	22.6	61.6	182	37.3	56.3	98.8	28.5	54.6	38.3	115
	2014_Q3	44.6	48.3	53.1	22.9	86.9	191	42.5	58.5	115	32.4	53.5	39.4	132

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l) (Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Chromium	1997_Q3	--	0.0042	1.04	0.002	0.112	0.004	0.0249	0.0032	0.0015	0.0092	0.0859	0.0092	0.0556
	1997_Q4	--	0.0089	0.0265	<0.0004	0.0967	0.0086	0.0022	<0.0004	0.00093	<0.0004	0.0705	0.0017	0.146
	2006_Q3	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	<0.005	<0.005
	2007_Q4	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	<0.005	<0.005
	2008_Q1	--	--	--	<0.005	0.0177	0.00816	<0.005	--	--	--	--	<0.005	0.00667
	2009_Q2	--	--	<0.005	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.01	<0.01
	2010_Q3	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.01	<0.01
	2011_Q4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01
	2012_Q1	<0.01	<0.01	0.0267	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01
	2013_Q2	<0.005	0.0084	0.0093	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0054	<0.005	<0.005
	2014_Q3	0.012	0.0091	0.03	<0.004	0.029	0.0058	<0.004	<0.004	<0.004	<0.004	0.052	0.0044	0.046
Cobalt	1997_Q3	--	<0.0011	0.59	<0.0011	0.0719	0.0091	0.0121	0.002	0.0036	0.0105	0.056	0.0112	0.0311
	1997_Q4	--	0.0053	0.0168	<0.0011	0.0628	0.0141	0.0019	0.0014	0.0035	<0.0011	0.0463	0.0056	0.0791
	2006_Q3	--	--	<0.015	<0.015	<0.015	<0.015	<0.015	--	--	--	--	<0.015	<0.015
	2007_Q4	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	--	--	--	<0.02	<0.02
	2008_Q1	--	--	--	<0.02	<0.02	<0.02	<0.02	--	--	--	--	<0.02	<0.02
	2009_Q2	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	--	--	--	<0.02	<0.02
	2010_Q3	--	--	<0.02	<0.02	<0.02	<0.02	<0.02	--	--	--	--	<0.02	<0.02
	2011_Q4	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.02	<0.02
	2012_Q1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	--	<0.02	<0.02	<0.02
	2013_Q2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	2014_Q3	0.0043	0.0047	0.015	<0.004	0.015	0.0051	<0.004	<0.004	<0.004	<0.004	0.038	0.0042	0.023
Copper	1997_Q3	--	0.004	0.996	0.004	0.104	0.0069	0.0315	0.0051	0.0066	0.0181	0.0973	0.0116	0.0637
	1997_Q4	--	0.0085	0.0254	0.0025	0.0779	0.0118	0.0076	0.0018	0.0076	0.0037	0.0689	0.0051	0.129
	2006_Q3	--	--	0.022	0.017	0.012	0.017	0.023	--	--	--	--	0.016	0.013
	2007_Q4	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.01	<0.01
	2008_Q1	--	--	--	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.01	<0.01
	2009_Q2	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.01	<0.01
	2010_Q3	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.01	<0.01
	2011_Q4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01
	2012_Q1	<0.01	<0.01	0.0218	<0.01	<0.01	<0.01	<0.01	<0.01	0.0224	--	<0.01	<0.01	<0.01
	2013_Q2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	2014_Q3	0.019	0.01	0.022	<0.01	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	0.054	<0.01	0.039

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l) (Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Iron	1997_Q3	--	1.01	1550	1.33	154	4.3	26.6	3.04	2.2	11.5	111	10.6	65.9
	1997_Q4	--	10.3	35.7	0.226	131	10.7	3.58	0.372	1.99	0.46	85.5	3	174
	2006_Q1	--	--	19.4	9.42	8.29	0.913	1.88	--	--	--	--	1.09	14.5
	2006_Q2	--	--	2.99	1.48	24	0.836	0.626	--	--	--	--	0.511	1.33
	2006_Q3	--	--	6.03	1.84	6.5	1.2	0.104	--	--	--	--	0.306	0.722
	2006_Q4	--	--	2.11	0.273	10.1	1.07	0.283	--	--	--	--	0.195	2.78
	2007_Q1	--	--	1.67	2.39	10.8	0.637	1.18	--	--	--	--	1.87	1.68
	2007_Q2	--	--	2.14	0.508	6.86	0.469	0.599	--	--	--	--	0.486	1.52
	2007_Q3	--	--	1.21	0.465	7.67	0.468	0.231	--	--	--	--	0.163	9.97
	2007_Q4	--	--	3.49	0.73	4.95	0.323	0.537	--	--	--	--	0.216	3.65
	2008_Q1	--	--	--	1	9.77	0.439	0.451	--	--	--	--	0.229	1.68
	2008_Q2	--	--	1.17	1.38	4.1	0.56	0.574	--	--	--	--	0.33	1.99
	2008_Q3	--	--	0.217	0.185	10.6	0.236	0.508	--	--	--	--	<0.06	0.342
	2008_Q4	--	--	0.429	0.174	9.51	0.28	0.177	--	--	--	--	<0.06	1.16
	2009_Q1	--	--	0.818	2.92	7.77	0.466	0.6	--	--	--	--	0.268	0.322
	2009_Q2	--	--	1.65	0.523	8.28	0.464	0.155	--	--	--	--	0.104	10.1
	2009_Q3	--	--	0.348	0.115	5.21	0.222	0.534	--	--	--	--	0.0703	0.108
	2009_Q4	--	--	6.19	6.72	0.827	0.235	1.44	--	--	--	--	0.417	1.19
	2010_Q1	--	--	--	--	64.2	0.451	0.366	--	--	--	--	0.448	3.95
	2010_Q2	--	--	0.484	0.423	6.1	0.329	0.291	--	--	--	--	0.226	0.469
	2010_Q3	--	--	0.219	0.159	13	0.149	6.97	--	--	--	--	<0.06	1.71
	2010_Q4	--	--	1.99	1.02	9.73	0.273	2.42	--	--	--	--	0.337	3.06
	2011_Q1	--	--	1.47	1.19	4.73	0.345	0.232	--	--	--	--	0.114	0.162
	2011_Q2	--	--	3.13	<0.06	4.27	0.312	0.121	--	--	--	--	0.235	0.418
	2011_Q3	0.126	0.662	0.872	0.121	5.34	0.276	0.121	0.578	0.261	--	0.835	0.835	4.66
	2011_Q4	0.688	2.75	0.987	0.341	5.42	0.333	0.345	0.344	0.174	--	1.32	0.0989	3.03
	2012_Q1	2.04	0.248	33.7	0.238	2.9	1.11	1.77	0.386	0.427	--	7.22	1.05	0.931
	2012_Q2	2.34	0.509	1.65	3.2	3.15	0.337	0.451	0.0945	0.146	--	0.98	7.38	2.9
	2012_Q3	0.15	0.15	0.702	0.39	7.39	0.319	0.238	0.142	0.209	--	6.38	<0.06	0.869
	2012_Q4	0.366	0.136	0.844	1.3	5.21	0.416	0.319	0.0777	0.265	0.536	0.892	0.177	4.19
	2013_Q1	<0.2	<0.2	4	0.61	2.3	0.31	0.37	<0.2	<0.2	<0.2	6.1	0.38	0.66
	2013_Q2	1.3	2.9	13	<0.2	2.3	0.32	0.42	0.37	<0.2	<0.2	4	0.35	2
	2013_Q3	<0.2	1.1	0.56	<0.2	0.3	1.5	0.49	0.27	0.23	<0.2	0.76	0.29	2.3
	2013_Q4	<0.2	4.5	1.1	<0.2	5.2	0.4	1.1	0.22	<0.2	<0.2	0.51	0.29	0.97
	2014_Q1	10.8	97.7	--	--	33.8	6.8	4.1	7.2	5.2	1.2	113	0.69	--
	2014_Q2	20	96.9	103	0.26	43.3	9.8	6.8	1.7	0.36	0.52	76.8	2.6	7.6
	2014_Q3	9.4	10.3	35.2	0.54	32.5	3.5	0.6	2.3	0.64	0.55	57.3	7.2	49.1

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l) (Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Lead	1997_Q3	--	0.0017	0.454	<0.001	0.0561	0.0044	0.0077	0.0013	0.0031	0.0114	0.0168	0.0044	0.0251
	1997_Q4	--	0.0049	0.0123	<0.001	0.0436	0.0058	<0.001	<0.001	0.0024	<0.001	0.0113	<0.001	0.0585
	2006_Q1	--	--	0.00716	<0.005	<0.005	<0.005	<0.005	--	--	--	--	<0.005	0.0175
	2006_Q2	--	--	0.007	<0.005	0.019	0.009	0.005	--	--	--	--	<0.005	0.009
	2006_Q3	--	--	<0.005	<0.005	<0.005	<0.005	0.005	--	--	--	--	<0.005	0.006
	2006_Q4	--	--	<0.005	<0.005	0.006	<0.005	<0.005	--	--	--	--	<0.005	<0.005
	2007_Q1	--	--	<0.003	0.00431	0.00524	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2007_Q2	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2007_Q3	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	0.00656
	2007_Q4	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2008_Q1	--	--	--	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2008_Q2	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2008_Q3	--	--	<0.003	<0.003	0.0039	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2008_Q4	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2009_Q1	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2009_Q2	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2009_Q3	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2009_Q4	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2010_Q1	--	--	--	--	0.0187	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2010_Q2	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2010_Q3	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2010_Q4	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2011_Q1	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2011_Q2	--	--	<0.003	<0.003	<0.003	<0.003	<0.003	--	--	--	--	<0.003	<0.003
	2011_Q3	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	0.00321
	2011_Q4	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	<0.003
	2012_Q1	<0.003	<0.003	0.0108	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.003	<0.003
	2012_Q2	<0.003	<0.003	<0.003	0.00423	<0.003	<0.003	<0.003	<0.003	<0.003	--	<0.003	<0.015	0.00328
	2012_Q3	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	--	<0.015	<0.003	<0.003
	2012_Q4	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
	2013_Q1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	2013_Q2	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	2013_Q3	0.019	0.013	0.0021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0013
	2013_Q4	<0.005	0.0099	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	2014_Q1	<0.01	0.39	--	--	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	--
	2014_Q2	0.011	0.24	0.044	<0.01	0.022	0.013	<0.01	<0.01	<0.01	<0.01	0.025	<0.01	<0.01
	2014_Q3	0.011	0.025	0.012	<0.01	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	0.028	0.024	0.018

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l) (Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Magnesium	1997_Q3	--	9.5	309	6.47	61.6	61.7	17	22.8	24.3	14.8	37.6	19	67
	1997_Q4	--	10.4	15.6	5.84	53.6	49.9	11	21.5	26	9.45	28.8	12.7	88.3
	2006_Q1	--	--	12.6	7.46	16.6	46.1	9.13	--	--	--	--	8.94	48.6
	2006_Q2	--	--	8.67	5.39	18.3	45.3	10	--	--	--	--	10.9	45.5
	2006_Q3	--	--	9.7	6.05	17.5	43.5	11.2	--	--	--	--	9.86	38
	2006_Q4	--	--	9.43	5.31	19.4	42.7	9.2	--	--	--	--	9.71	38
	2007_Q1	--	--	8.87	5.94	15.7	44.8	4.04	--	--	--	--	10.2	38.4
	2007_Q2	--	--	10.2	7.4	17.9	36.3	3.1	--	--	--	--	9.68	36.4
	2007_Q3	--	--	9.67	7.12	18	44.1	9.15	--	--	--	--	9.12	35
	2007_Q4	--	--	9.8	6.28	11	39.9	4.26	--	--	--	--	7.81	32.1
	2008_Q1	--	--	--	6.44	17.1	42.8	5.42	--	--	--	--	9.37	38.4
	2008_Q2	--	--	10.6	7.58	14.3	42.4	7.04	--	--	--	--	10.4	38.5
	2008_Q3	--	--	10.7	7.74	20.3	47.1	3.83	--	--	--	--	9.61	39.5
	2008_Q4	--	--	10.8	7.28	23.1	49.1	4.8	--	--	--	--	9.13	39.8
	2009_Q1	--	--	10.6	6.76	15.1	42.9	1.82	--	--	--	--	10.5	35.8
	2009_Q2	--	--	11.1	7.83	18.8	45.9	11.6	--	--	--	--	11.4	38.7
	2009_Q3	--	--	10	7.34	16.8	45.6	<1	--	--	--	--	10.4	34
	2009_Q4	--	--	11.9	14.4	7.01	39.7	<5	--	--	--	--	10.4	35.3
	2010_Q1	--	--	--	--	27.6	40.4	5.17	--	--	--	--	12.3	38.8
	2010_Q2	--	--	10.5	6.49	15.4	43.1	<5	--	--	--	--	11	31.4
	2010_Q3	--	--	10.8	7.27	20.6	46.2	12.5	--	--	--	--	10.7	36.9
	2010_Q4	--	--	11.3	7.29	17.9	43	<5	--	--	--	--	10.9	36.4
	2011_Q1	--	--	11	7.75	12.9	42.8	<5	--	--	--	--	10.8	35
	2011_Q2	--	--	11.5	6.14	11	38.8	7.25	--	--	--	--	10.8	34.4
	2011_Q3	9.04	7.95	10.5	7.05	14.8	43.9	9.72	20.5	27.3	--	10.2	11.7	37.2
	2011_Q4	10.1	10.8	12	7.66	13.1	44.7	6.31	21.6	26.8	--	10.8	11.3	33.9
	2012_Q1	10.3	11.4	19.3	8.85	11.2	46.6	8.39	21.6	28.3	--	12.2	10.8	36.8
	2012_Q2	10.5	11.5	12.6	8.66	14.4	44.9	9.02	22.4	26.5	--	10.3	12.4	34.8
	2012_Q3	7.92	9.47	9.95	7.48	17.4	42.2	9.93	18.4	27.8	--	10.2	10.6	30.1
	2012_Q4	11	11	11.8	6.9	14.2	46.6	6.27	20.7	31	9.56	12.2	12	37.6
	2013_Q1	9.06	6.14	11.4	6	10.6	42.3	4	18.2	28.3	7.58	9.96	10.6	34.5
	2013_Q2	5.38	9.25	12.3	6.18	11.5	36.4	6.22	16.3	21.5	7.74	10	9.19	26.9
	2013_Q3	7.81	9.39	9.79	5.53	38.9	13.8	6.33	16.3	23.4	8.67	8.49	10.3	27.9
	2013_Q4	8.53	10.6	10.3	5.55	13.2	38	6.3	18.1	24.5	9.03	8.6	10.1	28
	2014_Q1	12.8	49.1	--	--	21.1	44.4	10.7	22.9	30	9.8	27.8	10.7	--
	2014_Q2	14.2	44.7	32.1	5.5	19.9	41	8.3	17.6	21.9	8.3	21.8	10.8	31
	2014_Q3	12.3	14.7	18.2	6.1	23.3	43	7.4	18.2	25.7	8.6	19.2	14.2	42.7

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l) (Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Manganese	1997_Q3	--	0.19	24.6	0.195	35.7	8.24	0.732	0.12	1.14	0.485	14.5	3.43	5.87
	1997_Q4	--	0.352	0.783	0.146	31.6	7.43	0.174	0.0697	2.15	0.0661	12.7	4.17	9.55
	2006_Q1	--	--	0.534	2.28	12.2	6.98	0.208	--	--	--	--	0.559	6.08
	2006_Q2	--	--	0.194	0.191	11.5	6.8	0.175	--	--	--	--	0.12	5.69
	2006_Q3	--	--	0.38	0.251	12	6.63	0.416	--	--	--	--	0.297	4.4
	2006_Q4	--	--	0.306	0.126	13.6	6.46	0.176	--	--	--	--	0.185	4.85
	2007_Q1	--	--	0.19	0.521	9.93	6.42	0.415	--	--	--	--	0.331	4.51
	2007_Q2	--	--	0.193	0.169	11.7	4.93	0.501	--	--	--	--	0.0908	4.18
	2007_Q3	--	--	0.206	0.19	12.7	6.6	0.116	--	--	--	--	0.671	3.98
	2007_Q4	--	--	0.203	0.176	7.05	5.7	0.287	--	--	--	--	0.712	3.47
	2008_Q1	--	--	--	0.26	11.2	6.21	0.0373	--	--	--	--	0.327	4.17
	2008_Q2	--	--	0.157	0.198	9.3	5.96	0.141	--	--	--	--	0.102	4.34
	2008_Q3	--	--	0.135	0.169	13.8	6.49	0.618	--	--	--	--	0.666	4.82
	2008_Q4	--	--	0.151	0.153	15.1	6.84	0.0424	--	--	--	--	0.619	4.57
	2009_Q1	--	--	0.0917	0.223	10.7	6.5	0.294	--	--	--	--	0.0257	4.31
	2009_Q2	--	--	0.169	0.25	12.8	6.63	0.164	--	--	--	--	0.0585	4.21
	2009_Q3	--	--	0.155	0.149	11.4	6.31	0.331	--	--	--	--	0.255	3.8
	2009_Q4	--	--	0.251	9.34	0.144	5.63	0.597	--	--	--	--	0.167	3.68
	2010_Q1	--	--	--	--	11.6	5.48	0.568	--	--	--	--	0.0606	3.87
	2010_Q2	--	--	0.118	0.13	9.79	6.2	0.218	--	--	--	--	0.027	3.85
	2010_Q3	--	--	0.156	0.188	12.2	6.35	0.282	--	--	--	--	0.087	3.82
	2010_Q4	--	--	0.329	0.153	11.1	6.82	0.471	--	--	--	--	0.242	4.5
	2011_Q1	--	--	0.236	0.269	8.18	6.23	0.575	--	--	--	--	0.0452	4.33
	2011_Q2	--	--	0.215	0.24	7.05	5.23	0.704	--	--	--	--	0.0213	3.8
	2011_Q3	0.18	0.119	0.139	0.275	9.08	5.99	0.635	0.184	1.91	--	1.33	0.166	4.86
	2011_Q4	0.256	0.211	0.119	0.0807	7.78	5.93	0.726	0.125	1.73	--	1.78	0.231	3.57
	2012_Q1	1.62	0.188	0.691	0.223	6.81	6.23	0.802	0.102	1.75	--	1.63	0.0335	1.62
	2012_Q2	1.3	0.23	0.121	0.232	8.49	6.4	0.926	0.1	1.44	--	2.16	0.781	3.27
	2012_Q3	0.0614	0.139	0.0453	0.148	10.3	6.38	0.371	0.092	2.05	--	2.84	0.0693	2.91
	2012_Q4	0.439	0.18	0.121	0.195	8.5	6.49	0.891	0.0979	1.63	0.0531	1.57	0.0675	2.94
	2013_Q1	0.27	<0.05	0.61	5.1	6.9	6.7	0.78	0.073	2.9	<0.05	1.8	0.051	3.8
	2013_Q2	1.4	0.13	2.4	0.23	3.9	3.2	1.9	0.17	0.97	<0.05	0.59	0.064	1.4
	2013_Q3	0.063	0.12	<0.05	0.053	6.4	9	1.8	0.25	0.7	<0.05	0.46	0.18	1.8
	2013_Q4	0.22	0.2	0.064	1.4	9.7	6.1	1.8	0.11	0.59	<0.05	1.4	0.062	1.4
	2014_Q1	7	4.2	--	--	10	5.9	1.2	0.3	5.3	0.1	4.3	0.15	--
	2014_Q2	5.5	3.1	2.5	0.41	9	5.5	1.4	0.17	1.4	0.05	4.8	0.26	3.2
	2014_Q3	1.8	0.47	1.2	1.2	11.2	5.7	2	0.19	1.3	0.056	3.4	1.5	5

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l) (Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Potassium	1997_Q3	--	1.01	77.5	1.56	23.4	3	7.43	2.05	2.01	3.03	14.4	4.08	10.4
	1997_Q4	--	1.91	6.97	0.529	17	2.9	1.87	1.2	2.02	0.897	10.1	2.72	13.5
	2006_Q1	--	--	2.72	0.973	9.29	2.42	0.938	--	--	--	--	1.15	3.06
	2006_Q2	--	--	1.6	0.468	11.2	2.25	0.829	--	--	--	--	0.825	1.91
	2006_Q3	--	--	1.7	0.523	12.3	2.28	1.09	--	--	--	--	0.634	1.81
	2006_Q4	--	--	1.62	0.374	12.7	2.38	0.937	--	--	--	--	0.69	2.03
	2007_Q1	--	--	1.74	<1	9.02	2.74	<1	--	--	--	--	1.05	2.03
	2007_Q2	--	--	2.31	<1	10.8	2.14	<1	--	--	--	--	<1	1.95
	2007_Q3	--	--	1.59	<1	13.3	2.44	<1	--	--	--	--	<1	2.87
	2007_Q4	--	--	2.06	<1	2.14	<1	<1	--	--	--	--	<1	<1
	2008_Q1	--	--	--	<1	8.56	2.44	<1	--	--	--	--	<1	1.85
	2008_Q2	--	--	1.65	<1	7.56	2.2	<1	--	--	--	--	<1	1.98
	2008_Q3	--	--	1.51	<1	12.3	2.23	1.06	--	--	--	--	<1	1.82
	2008_Q4	--	--	1.69	<1	15.1	3.13	<1	--	--	--	--	1.4	2.41
	2009_Q1	--	--	1.52	<1	7.48	2.44	<1	--	--	--	--	1.01	1.62
	2009_Q2	--	--	1.78	<1	12.4	2.71	<1	--	--	--	--	1.03	3.58
	2009_Q3	--	--	<1	<1	13.6	<1	<1	--	--	--	--	<1	<1
	2009_Q4	--	--	<5	8.56	<5	<5	<5	--	--	--	--	<5	<5
	2010_Q1	--	--	--	--	12.8	<5	<5	--	--	--	--	<5	<5
	2010_Q2	--	--	<5	<5	9.42	<5	<5	--	--	--	--	<5	<5
	2010_Q3	--	--	<5	<5	14.3	<5	<5	--	--	--	--	<5	<5
	2010_Q4	--	--	<5	<5	11.9	<5	<5	--	--	--	--	<5	<5
	2011_Q1	--	--	<5	<5	7.2	<5	<5	--	--	--	--	<5	<5
	2011_Q2	--	--	<5	<5	7.47	<5	<5	--	--	--	--	<5	<5
	2011_Q3	<5	<5	<5	<5	11.4	<5	<5	<5	<5	--	<5	<5	<5
	2011_Q4	<5	<5	<5	<5	7.62	<5	<5	<5	<5	--	<5	<5	<5
	2012_Q1	<5	<5	<5	<5	6.33	<5	<5	<5	<5	--	<5	<5	<5
	2012_Q2	<5	<5	<5	<5	8.15	<5	<5	<5	<5	--	<5	<5	<5
	2012_Q3	<5	<5	<5	<5	10.9	<5	<5	<5	<5	--	<5	<5	<5
	2012_Q4	<5	<5	<5	<5	8.64	<5	<5	<5	<5	<5	<5	<5	<5
	2013_Q1	0.99	0.98	1.3	0.5	5.9	2.3	1.1	1.2	1.4	1.1	2.4	0.92	1.4
	2013_Q2	3	1.5	2.4	0.57	4.3	2.9	1.6	1.3	1.5	1.5	2.7	1.1	1.9
	2013_Q3	1.4	0.99	1.3	0.53	2.9	9.3	1.5	1.3	1.8	1.3	2.3	1.3	2.1
	2013_Q4	1.3	1.6	1.4	0.5	8.4	2.9	1.1	1.4	1.8	1.2	2.3	1.3	2
	2014_Q1	2.7	9.3	--	--	10.3	3.4	2.1	2.9	2.7	1.4	12.1	1.3	--
	2014_Q2	4.3	9.7	12.1	<0.5	11.2	4	2.9	1.4	1.2	0.98	10.6	1.3	3.3
	2014_Q3	3.4	2.6	6.7	0.56	14.4	3.1	1.6	1.7	1.7	1.3	9.3	2	8

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l)
(Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Sodium	1997_Q3	--	5.41	37.3	7.38	119	64.1	10.4	11.2	13.3	31.6	53.3	38	118
	1997_Q4	--	4.76	26	6.18	102	53.9	6.54	9.78	15.7	9.53	46.8	31.4	113
	2006_Q1	--	--	17.1	6.31	26.3	53.8	5.66	--	--	--	--	14.9	134
	2006_Q2	--	--	13	5.22	25.2	49.7	6.4	--	--	--	--	9.93	129
	2006_Q3	--	--	13.6	6.35	31.4	51.1	8.92	--	--	--	--	10.1	124
	2006_Q4	--	--	13.5	5.92	31.4	51	6.03	--	--	--	--	10.7	128
	2007_Q1	--	--	12.2	5.22	19.5	50.9	2.11	--	--	--	--	11.2	112
	2007_Q2	--	--	12.5	6.82	22.9	40.8	1.14	--	--	--	--	10.2	104
	2007_Q3	--	--	13	7.1	26.1	52.3	5.1	--	--	--	--	15	95.8
	2007_Q4	--	--	11.8	5.84	13.8	48.2	2.64	--	--	--	--	14.7	95.2
	2008_Q1	--	--	--	5.66	19.2	50.6	2.9	--	--	--	--	13.8	104
	2008_Q2	--	--	12.5	6.73	16.5	47.4	3.52	--	--	--	--	12.7	99.6
	2008_Q3	--	--	13.8	7.29	25.6	51.4	2.77	--	--	--	--	18.1	113
	2008_Q4	--	--	13.2	6.81	25.9	58.2	2.69	--	--	--	--	17.6	116
	2009_Q1	--	--	13.4	6.37	17.8	49.3	<1	--	--	--	--	13.1	97
	2009_Q2	--	--	13.9	8.15	23.8	55.4	6.81	--	--	--	--	17.9	103
	2009_Q3	--	--	12.5	7.32	21.1	58.6	<1	--	--	--	--	18.5	110
	2009_Q4	--	--	12.6	14.9	6.59	49	<5	--	--	--	--	15.8	105
	2010_Q1	--	--	--	--	15.5	48.9	<5	--	--	--	--	16.8	112
	2010_Q2	--	--	12.8	6.29	16.3	53.1	<5	--	--	--	--	14.2	109
	2010_Q3	--	--	13.2	7.12	21.9	56.9	6.53	--	--	--	--	15	110
	2010_Q4	--	--	15.3	8.95	19	65.4	<5	--	--	--	--	17.8	127
	2011_Q1	--	--	13.6	7.99	13.5	56.7	<5	--	--	--	--	14.1	110
	2011_Q2	--	--	13.1	6.48	12.5	51	<5	--	--	--	--	17	114
	2011_Q3	<5	<5	13.2	27	22.1	55.3	5.9	11.1	16.7	--	19.5	18.3	114
	2011_Q4	<5	6.69	14.9	8.23	13.6	57.7	<5	12.5	17.8	--	19.8	21.7	104
	2012_Q1	<5	6.24	15.6	9.91	11	58.5	<5	11.9	17.7	--	19	16.5	108
	2012_Q2	<5	5.26	12.6	7.92	11.9	47.4	<5	10.4	14.2	--	14.8	14.6	91
	2012_Q3	<5	<5	10.4	7.34	14.7	50.8	5.41	8.61	14.7	--	16.5	17.3	81.6
	2012_Q4	<5	5.25	12.3	6.54	12.8	59.4	<5	10.4	18.7	18.7	19.3	19.5	99.9
	2013_Q1	4.4	5	13	6.8	9.9	51	2.1	11	19	16	17	14	94
	2013_Q2	4.3	5.2	11	6.5	11	45	2	9	14	13	16	13	40
	2013_Q3	3.8	5.2	12	6	50	13	2.6	9.2	16	12	16	19	82
	2013_Q4	3.9	5	12	5.6	12	46	2.9	9.6	16	12	15	17	77
	2014_Q1	4.1	5.7	--	--	13	48.1	5.3	11.1	17.3	11.9	15.4	17.8	--
	2014_Q2	4	5.1	11.6	5.4	11.1	42.9	3.2	8.6	12.9	11.1	13.1	12.8	81.4
	2014_Q3	7.8	5.4	12.4	5.4	16.3	46.3	3.2	9.5	15.6	11.7	17.6	11	84.7

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l) (Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Vanadium	1997_Q3	--	<0.0012	0.856	<0.0012	0.102	0.0029	0.0296	0.003	0.0016	0.0102	0.0726	0.0083	0.0487
	1997_Q4	--	0.0086	0.0243	<0.0012	0.0866	0.0075	0.0039	<0.0012	0.0019	0.0012	0.053	0.0012	0.127
	2006_Q3	--	--	<0.015	<0.015	<0.015	<0.015	<0.015	--	--	--	--	<0.015	<0.015
	2007_Q4	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	--	--	--	--	<0.03	<0.03
	2008_Q1	--	--	--	<0.03	<0.03	<0.03	<0.03	--	--	--	--	<0.03	<0.03
	2009_Q2	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	--	--	--	--	<0.03	<0.03
	2010_Q3	--	--	<0.03	<0.03	<0.03	<0.03	<0.03	--	--	--	--	<0.03	<0.03
	2011_Q4	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	--	<0.03	<0.03	<0.03
	2012_Q1	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	--	<0.03	<0.03	<0.03
	2013_Q2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	2014_Q3	0.013	0.011	0.034	<0.005	0.028	<0.005	<0.005	<0.005	<0.005	<0.005	0.051	0.0062	0.048
Zinc	1997_Q3	--	0.024	3.36	0.0351	0.4	0.103	0.112	0.0621	0.0501	0.105	0.271	0.0894	0.2
	1997_Q4	--	0.0366	0.0874	0.0163	0.278	0.0484	0.0265	0.0155	0.0238	0.0212	0.177	0.0248	0.408
	2006_Q3	--	--	0.106	0.052	<0.01	<0.01	0.025	--	--	--	--	0.014	<0.01
	2007_Q4	--	--	0.0235	0.0168	<0.01	0.0469	0.0106	--	--	--	--	0.0213	0.0263
	2008_Q1	--	--	--	0.0112	0.0101	<0.01	<0.01	--	--	--	--	0.0103	0.0102
	2009_Q2	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.01	0.0297
	2010_Q3	--	--	<0.01	<0.01	0.0269	<0.01	0.0285	--	--	--	--	<0.01	<0.01
	2011_Q4	<0.01	0.0146	<0.01	<0.01	<0.01	0.0118	<0.01	0.0114	0.013	--	<0.01	0.0159	0.0156
	2012_Q1	0.0119	<0.01	0.0792	<0.01	<0.01	0.0177	0.0106	0.017	0.0154	--	0.0235	<0.01	<0.01
	2013_Q2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2014_Q3	0.033	0.035	0.076	<0.01	0.07	0.025	<0.01	<0.01	0.01	0.011	0.12	0.036	0.12

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Dissolved Metals (all values in mg/l)

(Note: Qualifiers are not included in these tables)

Analyte	Year & Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Aluminum_D	1997_Q3	--	--	0.0163	0.0146	<0.0083	0.0179	<0.0083	--	--	--	--	<0.0083	<0.0083
	1997_Q4	--	--	0.0407	0.0209	0.0482	0.0154	0.0158	--	--	--	--	0.0132	0.0755
	2006_Q3	--	--	0.066	0.195	0.044	--	--	--	--	--	--	--	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.1
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	<0.1
	2012_Q1	--	--	<0.1	--	--	--	--	--	--	--	<0.1	--	--
	2013_Q2	--	--	<0.2	--	--	--	--	--	--	--	<0.2	--	--
	2014_Q3	<0.2	<0.2	<0.2	--	<0.2	--	--	--	--	--	<0.2	--	<0.2
Arsenic_D	1997_Q3	--	--	<0.0024	<0.0024	0.0123	0.0036	<0.0024	--	--	--	--	0.0048	<0.0024
	1997_Q4	--	--	<0.0024	<0.0024	0.0139	<0.0024	<0.0024	--	--	--	--	0.0073	<0.0024
	2006_Q3	--	--	<0.025	<0.025	<0.025	--	--	--	--	--	--	--	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.01
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	<0.005
	2012_Q1	--	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--
	2013_Q2	--	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--
	2014_Q3	<0.015	<0.015	<0.015	--	<0.015	--	--	--	--	--	<0.015	--	<0.015
Calcium_D	1997_Q3	--	--	67.6	24.8	183	281	57.9	--	--	--	--	67.7	220
	1997_Q4	--	--	40.3	24.5	183	274	54.6	--	--	--	--	56.3	255
	2006_Q1	--	--	40.7	22.8	--	--	44.3	--	--	--	--	--	158
	2006_Q2	--	--	38.9	--	--	--	--	--	--	--	--	--	--
	2006_Q3	--	--	38.6	24.4	77.6	--	--	--	--	--	--	--	--
	2007_Q1	--	--	40.3	24.5	--	--	--	--	--	--	--	45.6	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	140
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	129
	2010_Q4	--	--	--	--	--	--	--	--	--	--	--	--	120
	2011_Q2	--	--	--	--	--	--	--	--	--	--	--	--	126
	2011_Q3	--	41	--	--	--	--	--	--	--	--	--	--	172
	2012_Q1	--	--	47.8	--	--	--	--	--	--	--	53.7	--	--
	2012_Q2	--	--	--	--	--	--	--	--	--	--	45.4	--	115
	2012_Q3	--	--	--	--	--	--	--	--	--	--	52	--	--
	2013_Q2	--	--	46	--	--	--	--	--	--	--	53	--	--
	2014_Q1	37	38.3	--	--	64.7	168	45.4	55.9	--	--	48.3	--	--
	2014_Q2	33	40	41.9	--	56.5	--	38.3	55.8	--	--	49.6	--	113
	2014_Q3	36.6	37.8	46.1	--	86.7	--	--	--	--	--	53	--	133
Chromium_D	1997_Q3	--	--	<0.0004	0.0008	0.0035	0.0009	<0.0004	--	--	--	--	<0.0004	0.0008
	1997_Q4	--	--	<0.0004	0.00073	0.0057	0.0014	<0.0004	--	--	--	--	0.00087	0.0011
	2006_Q3	--	--	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.01
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	<0.01
	2012_Q1	--	--	<0.01	--	--	--	--	--	--	--	<0.01	--	--
	2013_Q2	--	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--
	2014_Q3	<0.004	<0.004	<0.004	--	<0.004	--	--	--	--	--	<0.004	--	<0.004
Cobalt_D	1997_Q3	--	--	<0.0011	<0.0011	0.0107	0.0067	<0.0011	--	--	--	--	0.0052	0.0017
	1997_Q4	--	--	<0.0011	<0.0011	0.0095	0.0061	<0.0011	--	--	--	--	0.0041	0.0031
	2006_Q3	--	--	<0.015	<0.015	<0.015	--	--	--	--	--	--	--	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.02
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	<0.02
	2012_Q1	--	--	<0.02	--	--	--	--	--	--	--	<0.02	--	--
	2013_Q2	--	--	<0.05	--	--	--	--	--	--	--	<0.05	--	--
	2014_Q3	<0.004	<0.004	<0.004	--	<0.004	--	--	--	--	--	<0.004	--	<0.004

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Dissolved Metals (all values in mg/l)

(Note: Qualifiers are not included in these tables)

Analyte	Year & Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Copper_D	1997_Q3	--	--	0.0008	<0.0007	0.0162	0.0022	0.0024	--	--	--	--	0.0011	0.0086
	1997_Q4	--	--	<0.0007	<0.0007	<0.0007	<0.0007	0.00083	--	--	--	--	<0.0007	<0.0007
	2006_Q3	--	--	0.013	0.013	0.015	--	--	--	--	--	--	--	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.01
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	<0.01
	2012_Q1	--	--	<0.01	--	--	--	--	--	--	--	<0.01	--	--
	2013_Q2	--	--	<0.05	--	--	--	--	--	--	--	<0.05	--	--
	2014_Q3	<0.01	<0.01	<0.01	--	<0.01	--	--	--	--	--	<0.01	--	<0.01
Iron_D	1997_Q3	--	--	0.0348	0.0172	5.4	0.582	0.0061	--	--	--	--	0.346	0.009
	1997_Q4	--	--	0.0471	0.0141	11.5	0.595	0.0114	--	--	--	--	1.42	0.753
	2006_Q1	--	--	13.5	0.339	--	--	0.168	--	--	--	--	--	0.0637
	2006_Q2	--	--	0.315	--	--	--	--	--	--	--	--	--	--
	2006_Q3	--	--	0.125	0.339	0.204	--	--	--	--	--	--	--	--
	2007_Q1	--	--	<0.06	<0.06	--	--	--	--	--	--	--	<0.06	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.06
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	<0.06
	2010_Q4	--	--	--	--	--	--	--	--	--	--	--	--	0.0978
	2011_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.06
	2011_Q3	--	0.0795	--	--	--	--	--	--	--	--	--	--	<0.06
	2012_Q1	--	--	0.102	--	--	--	--	--	--	--	<0.06	--	--
	2012_Q2	--	--	--	--	--	--	--	--	--	--	0.149	--	<0.06
	2012_Q3	--	--	--	--	--	--	--	--	--	--	2.14	--	--
	2013_Q2	--	--	<0.2	--	--	--	--	--	--	--	<0.2	--	--
	2014_Q1	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	--	--	<0.05	--	--
	2014_Q2	<0.05	<0.05	<0.05	--	<0.05	--	<0.05	<0.05	--	--	<0.05	--	<0.05
	2014_Q3	<0.05	<0.05	<0.05	--	<0.05	--	--	--	--	--	<0.05	--	<0.05
Lead_D	1997_Q3	--	--	0.0052	--	<0.001	--	--	--	--	--	--	--	<0.001
	1997_Q4	--	--	<0.001	--	0.0011	--	--	--	--	--	--	--	<0.001
	2006_Q1	--	--	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	<0.005
	2006_Q2	--	--	0.005	--	--	--	--	--	--	--	--	--	--
	2006_Q3	--	--	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
	2007_Q1	--	--	<0.003	<0.003	--	--	--	--	--	--	--	<0.003	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.003
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	<0.003
	2010_Q4	--	--	--	--	--	--	--	--	--	--	--	--	<0.003
	2011_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.003
	2011_Q3	--	<0.003	--	--	--	--	--	--	--	--	--	--	<0.003
	2012_Q1	--	--	<0.003	--	--	--	--	--	--	--	<0.003	--	--
	2012_Q2	--	--	--	--	--	--	--	--	--	--	<0.003	--	<0.003
	2013_Q2	--	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--
	2014_Q1	<0.01	<0.01	--	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	--
	2014_Q2	<0.01	<0.01	<0.01	--	<0.01	--	<0.01	<0.01	--	--	<0.01	--	<0.01
	2014_Q3	<0.01	<0.01	<0.01	--	<0.01	--	--	--	--	--	<0.01	--	<0.01

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Dissolved Metals (all values in mg/l)
(Note: Qualifiers are not included in these tables)

Analyte	Year & Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Magnesium	1997_Q3	--	--	15.4	6.62	41	61.7	12.9	--	--	--	--	17.3	56.2
	1997_Q4	--	--	8.69	5.88	38.5	55	10.9	--	--	--	--	12.9	59.9
	2006_Q1	--	--	10.4	5.15	--	--	8.7	--	--	--	--	--	43.6
	2006_Q2	--	--	8.12	--	--	--	--	--	--	--	--	--	--
	2006_Q3	--	--	8.18	5.54	17.1	--	--	--	--	--	--	--	--
	2007_Q1	--	--	8.83	5.88	--	--	--	--	--	--	--	10.6	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	34.1
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	31.6
	2010_Q4	--	--	--	--	--	--	--	--	--	--	--	--	31.5
	2011_Q2	--	--	--	--	--	--	--	--	--	--	--	--	33.6
	2011_Q3	--	7.56	--	--	--	--	--	--	--	--	--	--	34.3
	2012_Q1	--	--	11.3	--	--	--	--	--	--	--	9.95	--	--
	2012_Q2	--	--	--	--	--	--	--	--	--	--	9.33	--	32.1
	2012_Q3	--	--	--	--	--	--	--	--	--	--	9.23	--	--
	2013_Q2	--	--	10	--	--	--	--	--	--	--	9.2	--	--
	2014_Q1	8.7	8.9	--	--	14.7	38	8.3	16.6	--	--	7.9	--	--
	2014_Q2	7.9	9.5	9.5	--	12	--	7.3	16.4	--	--	9	--	28.8
	2014_Q3	9.7	10.4	10.6	--	18.4	--	--	--	--	--	9.2	--	34
Manganese	1997_Q3	--	--	0.22	0.141	30.4	8.07	0.123	--	--	--	--	3.3	4.53
	1997_Q4	--	--	0.174	0.134	30.9	8	0.0941	--	--	--	--	3.99	7.12
	2006_Q1	--	--	0.238	0.0136	--	--	0.0963	--	--	--	--	--	5.35
	2006_Q2	--	--	0.127	--	--	--	--	--	--	--	--	--	--
	2006_Q3	--	--	0.248	0.135	12.1	--	--	--	--	--	--	--	--
	2007_Q1	--	--	<0.01	<0.01	--	--	--	--	--	--	--	0.137	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	3.78
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	2.57
	2010_Q4	--	--	--	--	--	--	--	--	--	--	--	--	3.26
	2011_Q2	--	--	--	--	--	--	--	--	--	--	--	--	3.04
	2011_Q3	--	0.0636	--	--	--	--	--	--	--	--	--	--	4.39
	2012_Q1	--	--	0.0327	--	--	--	--	--	--	--	0.836	--	--
	2012_Q2	--	--	--	--	--	--	--	--	--	--	0.213	--	2.64
	2012_Q3	--	--	--	--	--	--	--	--	--	--	1.36	--	--
	2013_Q2	--	--	0.26	--	--	--	--	--	--	--	1.4	--	--
	2014_Q1	<0.003	0.1	--	--	8.6	5.2	0.98	0.032	--	--	1.9	--	--
	2014_Q2	<0.003	0.12	0.064	--	7.2	--	1.3	0.0073	--	--	1.7	--	2.9
	2014_Q3	0.0082	0.22	0.089	--	10.2	--	--	--	--	--	2.7	--	3.2
Potassium	1997_Q3	--	--	10.6	1.63	17.5	2.8	2.75	--	--	--	--	2.97	5.28
	1997_Q4	--	--	4.92	0.514	14.2	2.34	1.42	--	--	--	--	2.77	3.98
	2006_Q1	--	--	2.52	0.487	--	--	0.803	--	--	--	--	--	1.9
	2006_Q2	--	--	1.38	--	--	--	--	--	--	--	--	--	--
	2006_Q3	--	--	1.31	0.403	12.5	--	--	--	--	--	--	--	--
	2007_Q1	--	--	1.72	<1	--	--	--	--	--	--	--	1.19	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	1.82
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	<5
	2010_Q4	--	--	--	--	--	--	--	--	--	--	--	--	<5
	2011_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<5
	2011_Q3	--	<5	--	--	--	--	--	--	--	--	--	--	<5
	2012_Q1	--	--	<5	--	--	--	--	--	--	--	<5	--	--
	2012_Q2	--	--	--	--	--	--	--	--	--	--	<5	--	<5
	2012_Q3	--	--	--	--	--	--	--	--	--	--	<5	--	--
	2013_Q2	--	--	1.11	--	--	--	--	--	--	--	2.76	--	--
	2014_Q1	0.83	0.75	--	--	7.2	1.9	0.92	1.1	--	--	1.8	--	--
	2014_Q2	0.85	0.64	0.92	--	7.4	--	0.82	0.99	--	--	1.9	--	1.1
	2014_Q3	1	0.76	0.84	--	11.3	--	--	--	--	--	1.9	--	1.5

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Dissolved Metals (all values in mg/l)

(Note: Qualifiers are not included in these tables)

Analyte	Year & Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Sodium_D	1997_Q3	--	--	59.3	7.53	121	62.5	10.2	--	--	--	--	38.2	120
	1997_Q4	--	--	27.1	6.59	115	62.8	7.98	--	--	--	--	33.3	129
	2006_Q1	--	--	14.7	4.75	--	--	4.83	--	--	--	--	--	126
	2006_Q2	--	--	12.3	--	--	--	--	--	--	--	--	--	--
	2006_Q3	--	--	13	5.31	29.6	--	--	--	--	--	--	--	--
	2007_Q1	--	--	12.3	5.73	--	--	--	--	--	--	--	12.1	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	97.2
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	91.6
	2010_Q4	--	--	--	--	--	--	--	--	--	--	--	--	105
	2011_Q2	--	--	--	--	--	--	--	--	--	--	--	--	113
	2011_Q3	--	5.23	--	--	--	--	--	--	--	--	--	--	104
	2012_Q1	--	--	14.3	--	--	--	--	--	--	--	18	--	--
	2012_Q2	--	--	--	--	--	--	--	--	--	--	14	--	81.6
	2012_Q3	--	--	--	--	--	--	--	--	--	--	15.6	--	--
	2013_Q2	--	--	12	--	--	--	--	--	--	--	16	--	--
	2014_Q1	4.1	4.9	--	--	11.3	40.7	4.7	9.3	--	--	14.3	--	--
	2014_Q2	3.9	5.1	11.7	--	11	--	3.7	9.2	--	--	13.6	--	74.4
	2014_Q3	4.5	5.3	12.1	--	16.2	--	--	--	--	--	18.6	--	85.5
Vanadium_D	1997_Q3	--	--	<0.0012	--	<0.0012	--	--	--	--	--	--	--	<0.0012
	1997_Q4	--	--	<0.0012	--	<0.0012	--	--	--	--	--	--	--	<0.0012
	2006_Q3	--	--	<0.015	<0.015	<0.015	--	--	--	--	--	--	--	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	<0.03
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	<0.03
	2012_Q1	--	--	<0.03	--	--	--	--	--	--	--	<0.03	--	--
	2013_Q2	--	--	<0.05	--	--	--	--	--	--	--	<0.05	--	--
	2014_Q3	<0.005	<0.005	<0.005	--	<0.005	--	--	--	--	--	<0.005	--	<0.005
Zinc_D	1997_Q3	--	--	0.12	0.0396	0.117	0.0635	0.0249	--	--	--	--	0.0651	0.0455
	1997_Q4	--	--	0.0161	0.0152	0.0207	0.023	0.0387	--	--	--	--	0.0207	0.0186
	2006_Q3	--	--	0.033	0.029	0.013	--	--	--	--	--	--	--	--
	2009_Q2	--	--	--	--	--	--	--	--	--	--	--	--	0.0228
	2010_Q3	--	--	--	--	--	--	--	--	--	--	--	--	0.0102
	2012_Q1	--	--	0.0107	--	--	--	--	--	--	--	0.0132	--	--
	2013_Q2	--	--	<0.1	--	--	--	--	--	--	--	0.18	--	--
	2014_Q3	<0.01	<0.01	<0.01	--	<0.01	--	--	--	--	--	<0.01	--	<0.01