Cortland County Soil and Water Conservation District
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SWCD...established to promote the conservation and wise use of our county's natural resources

January 5, 2015

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

Dear Mr. Warner:

Enclosed is the 2014 Quarter 2 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
2014 Quarter 2

Cortland County Towslee Landfill

Town Line Road
Cortland County, New York

NYSDEC Region 7

Prepared for:
Cortland County Highway Department
Traction Drive
Cortland, NY 13045

Prepared by:
Cortland County Soil and Water Conservation District
100 Grange Place
Cortland, NY 13045

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 2 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 2 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

Quarter	Analyses	Date Sampled
First Quarter:	Routine	March 17-19, 2014
Second Quarter:	Routine	May 21, 2014
Third Quarter:	Baseline	not yet sampled
Fourth Quarter:	Routine	not yet sampled

3.2 Groundwater Monitoring Locations

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

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

4.0 Groundwater Monitoring Results

This section provides an evaluation of groundwater monitoring results for Quarter 2 of 2014. Groundwater quality data are compared to NYS water quality standards to assess current conditions. Recent data are also compared to past data to evaluate trends.

- Appendix A contains the Quarter 2 laboratory analytical report.
- Appendix B contains tables of historical water quality data for each monitoring well.

4.1 Contraventions of Groundwater Quality Standards

This subsection compares 2014 groundwater quality data to NYS water quality standards. Tables 1 and 2 summarize groundwater quality results for Quarter 2 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 2 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 Conventionals and Field Parameters

Turbidity – Turbidity exceeded the NYS standard of 5 NTU for CD-1 (an upgradient well) and eight downgradient wells in Quarter 2. 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 (812 mg/l), and MW-7A (645 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 (5.2 mg/l). This is consistent with past monitoring.

4.1.2 Metals

Total Iron - The NYS standard for iron is 0.3 mg/l. The standard was exceeded for both upgradient wells, and 10 of 11 downgradient wells in Quarter 2. The elevated iron levels are believed to be due at least in part to particulate in the unfiltered samples. Eight filtered samples were obtained due to high turbidity (> 50 NTU). All the dissolved iron results 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-1A, MW-2A and MW-6A. We believe these results are due to very high sample turbidity, and does not reflect dissolved (mobile) lead in groundwater. 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 eight downgradient wells. The manganese standard was also exceeded for four filtered samples. While elevated manganese may be in part be due to particulate in unfiltered samples, the elevated dissolved levels suggest that water chemistry at these locations is creating a condition where dissolved manganese can be present at levels above what would be considered normal. The reason for this condition is unknown.

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 (42.9 mg/l), and MW-7A (81.4 mg/l). The sodium results for these wells MW-2B are consistent with past monitoring.

4.1.3 Volatile Organic Compounds (VOCs)

VOC analyses were not required in Quarter 2.

There were no other contraventions of NYS water quality standards in Quarter 2 of 2014.

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 2 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.

- 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.

- 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.

- Hardness is significantly lower in 2014 for the wells with elevated levels in 1997. Hardness was recently elevated compared to past results for upgradient well CD-1RA and downgradient well MW-1A. The reason for this is unclear.

- Ammonia – For most wells, ammonia has generally been near or below the detection level in recent years. Well MW-2A shows elevated ammonia levels that have seen a slow, but fluctuating decline over time.

- TKN at most wells has been relatively stable over time. Several wells have been consistently below the detection limit in recent years. TKN results for MW-2A are elevated, but show an overall decreasing trend. The most recent TKN result for MW-6A is higher than past results, and the reason for this is unclear, but may be due to interference affects from excessive turbidity in the sample.

- COD continues to show an overall decrease compared to 1997 levels. Results for most wells have been below the detection limit in recent quarters.

- Total Organic Carbon (TOC) - TOC levels are generally lower than those measured in 1997, and while fluctuating, have been relatively stable in recent years.

- 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 *	

Of these, metals noted with an asterisk (*) were analyzed during the Routine monitoring conducted in Quarter 2.

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.

- 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.

- Iron continues to show an overall decrease compared to 1997 levels. Fluctuations in total iron levels in recent years is likely due to varying amounts of particulate in samples. The very high Quarter 2 total iron levels are believed to be related to sampling procedure rather than an actual increase in iron, as described above.

- Lead has generally been below the detection limit for all wells in recent years. The elevated lead level for CD-1RA in Quarter 2 is believed to be related to sampling procedure, rather than reflecting an actual increase in lead, as described above.

- Magnesium for all wells with elevated levels in 1997 is significantly lower in 2014. Magnesium levels have been fairly stable for all wells over the past few years.

- Manganese continues to show an overall decrease compared to 1997 levels, and has been fairly stable over the past few years. The very high Quarter 2 total manganese levels are believed to be related to sampling procedure rather than an actual increase in manganese, as described above.

- Potassium levels continue to show an overall decrease through Quarter 2 of 2014, compared to 1997.

- Sodium levels have continued to show a general decrease through Quarter 2 of 2014, or have remained fairly stable.

Trends for Organics

Analysis of VOCs was not required in Quarter 2 of 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 3 and 4 summarize the surface water quality results. Available NYS water quality standards are included in these tables, and contraventions of standards are highlighted.

The only surface water contravention in Quarter 2 was for total iron at SW-3.

6.0 Landfill Gas Testing

Landfill gas measurements were taken at monitoring wells, and within the scale house.

The lower explosive limit (LEL) of methane is 5 percent in air by volume, and results are reported as a percentage of the LEL. No landfill gas was detected at any of the the Towslee monitoring locations.

7.0 Quality Control

Independent data validation was not required for the Quarter 2 monitoring in 2014. Internal validation was conducted by TestAmerica. Few analytical or quality issues were noted. A summary of the internal validation is included in Appendix A.

Based on a review of available quality control information, we believe the Quarter 2 data are adequate to characterize groundwater quality in the vicinity of the Towslee Landfill.

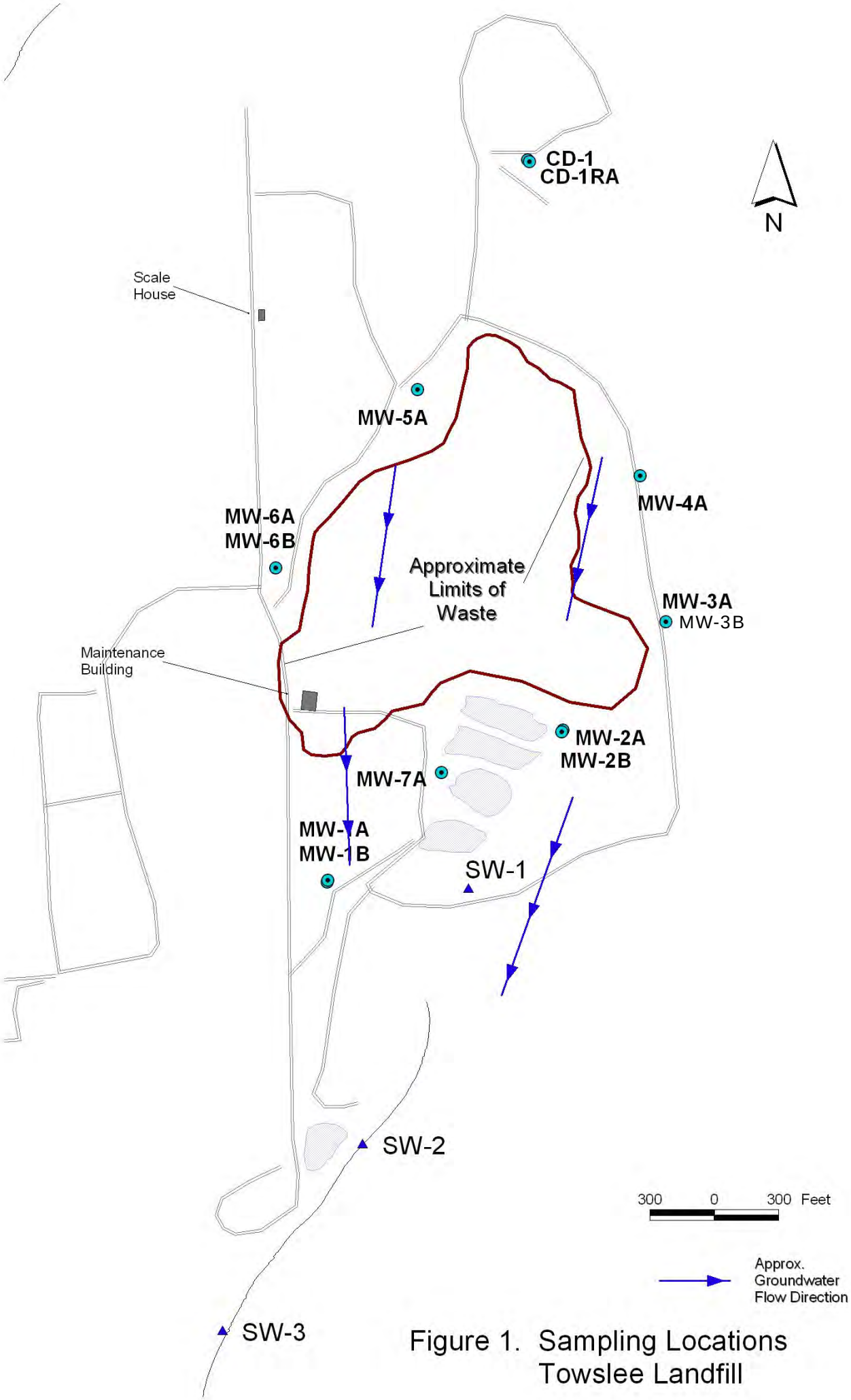

Figure 1. Sampling Locations
Towslee Landfill

Table1. Contraventions of NYS Water Quality Standards for Field and Inorganic Parameters

Towslee Landfill - Quarter 2 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)	--		10.3	10.5	11.18	11.69	10.44	10.24	9.73	12.03	9.32	11.03	9.02	10.36	11.05
Eh	(mV)	--		179.2	152	144.6	151.3	30.4	55.2	-9.4	112.2	241.2	-31.4	127	131.1	202.5
pH	log	6.5 - 8.5	a	7.77	8	8.03	8.09	6.77	6.83	6.67	7.55	6.91	8.2	6.8	7.13	6.96
Specific Conduct.	(uS/cm)	--		255	299	379	227	600	1358	334	450	787	248	408	354	1099
Color	(Units)	15	a, b	--	--	--	--	--	--	--	--	--	--	--	--	--
Turbidity	(NTU)	5	a	**666**	--	--	3.47	**1674**	**19.1**	**1123**	**83**	**14.8**	**12**	--	**29.7**	**99.7**
Alkalinity (as CaCO3)	(mg/l)	--		79.7	151	149	110	250	657	139	250	319	139	136	203	520
Hardness (as CaCO3)	(mg/l)	--		222	500	303	79.1	236	622	127	213	337	105	226	140	414
Total Diss. Solids	(mg/l)	500	a	156	177	239	121	273	**812**	172	263	413	145	233	188	**645**
Chloride	(mg/l)	250	a, b	2.2	1.4	33.7	1.8	10.8	98.8	3	24.1	16.9	6	6.1	17.4	73.5
Sulfate	(mg/l)	250	a, b	18.5	22.7	21.4	8.8	<5	<5	<5	15.3	15.8	17.7	17.7	37.6	31.6
Bromide	(mg/l)	2	a	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate (As N)	(mg/l)	10	a, b	0.12	<0.05	<0.05	0.068	0.15	0.054	<0.05	<0.05	0.068	0.097	0.24	0.098	0.055
Ammonia (As N)	(mg/l)	2	a	0.042	0.095	0.06	<0.02	**5.2**	0.77	<0.02	<0.02	<0.02	<0.02	0.24	<0.02	0.027
TKN	(mg/l)	--		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
COD	(mg/l)	--		<10	<10	<10	<10	17.6	13.2	10.7	<10	21.7	<10	15.4	<10	17.3
BOD	(mg/l)	--		<2	<2	<2	<2	8.9B	<2	3.6B	<2	<2	<2	<2	<2	<2
TOC	(mg/l)	--		<1	<1	<1	<1	4.6	4.6	2.6	<1	1.3	<1	2.2	<1	4.8
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	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Table 2. Contraventions of NYS Water Quality Standards for Metals (units are mg/l)

Towslee Landfill - Quarter 2 2014

Parameter	NYS Water Quality Standard		Total Metals													Dissolved Metals								
			Upgradient		Downgradient											Upgradient		Downgradient						
			OB	BR	OB	BR	OB	BR	BR	BR	BR	BR	OB	BR	OB	OB	BR	OB	OB	BR	BR	OB	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	CD-1	CD-1RA	MW-1A	MW-2A	MW-3A	MW-3B	MW-6A	MW-7A	
Aluminum	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Antimony	0.003	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Arsenic	0.025	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Barium	1	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Beryllium	0.004	b	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Boron	1	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
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	<0.002	<0.002	
Calcium	--		65.6	127	68.4	22.6	61.6	182	37.3	56.3	98.8	28.5	54.6	38.3	115	33	40	41.9	56.5	38.3	55.8	49.6	113	
Chromium	0.05	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chrom, Hex	0.05	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Cobalt	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Copper	0.2	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Iron	0.3	a, b	20	96.9	103	0.26	43.3	9.8	6.8	1.7	0.36	0.52	76.8	2.6	7.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Lead	0.015	b	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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Magnesium	--		14.2	44.7	32.1	5.5	19.9	41	8.3	17.6	21.9	8.3	21.8	10.8	31	7.9	9.5	9.5	12	7.3	16.4	9	28.8	
Manganese	0.3	a, b	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	<0.003	0.12	0.064	7.2	1.3	0.0073	1.7	2.9	
Mercury	0.0007	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nickel	0.1	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Potassium	--		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	0.85	0.64	0.92	7.4	0.82	0.99	1.9	1.1	
Sodium	20	a, b	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	3.9	5.1	11.7	11	3.7	9.2	13.6	74.4	
Selenium	0.01	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Silver	0.05	a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Thallium	0.002	b	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Vanadium	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Zinc	5	b	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

a - Part 703 Water Quality Standard (assumes Class GA) -- not analyzed

b - Part 5 Drinking Water MCL

1.23 indicates contravention of standard.

OB = overburden wel

BR = Bedrock well

Table 3
Contraventions of Surface Water Quality Standards
Field/ Inorganic Parameters - Quarter 2 2014

No Contraventions

Parameter	Units	NYS Water Quality Standard		Surface Water Sample Locations SW-1	SW-2	SW-3
Temperature	(deg. C)	--		16.7	15.03	16.48
EH	(mV)	--		22	69	73.8
pH	(Std Units)	6.5 - 8.5	a	6.95	8.17	8.02
Specific Conductance	(uS/cm)	--		340	2960	3600
Oxygen, Dissolved	mg/l	5	a	6.26	7.63	5.94
Color	(Units)	15	b	--	--	--
Turbidity	(NTU)	--		16.5	11.04	11.4
Alkalinity (as CaCO3)	(mg/l)	--		116	125	150
Hardness (as CaCO3)	(mg/l)	--		112	130	168
Total Dissolved Solids	(mg/l)	500	a	152	161	207
Chloride	(mg/l)	250	a	18.3	12.4	14.4
Sulfate	(mg/l)	250	a, b	<5	<5	<5
Bromide	(mg/l)	--		<0.5	<0.5	<0.5
Boron, tot	(mg/l)	10	a	--	--	--
Nitrate (As N)	(mg/l)	10	a, b	0.17	1.8	0.81
Ammonia (As N)	(mg/l)	2	a	<0.02	<0.02	<0.02
TKN (as N)	(mg/l)	--		0.29	<0.2	<0.2
COD	(mg/l)	--		10.6	<10	<10
BOD	(mg/l)	--		<2	<2	<2
TOC	(mg/l)	--		4.5	3.6	2.9
Phenolics, Total	(mg/l)	0.001	a	<0.01	<0.01	<0.01
Cyanide	(mg/l)	0.0052	a	--	--	--

a - Part 703 Water Quality Standard (assumes Class A waters)
b - Part 5 Drinking Water MCL
1.23 indicates value exceeded standard

Table 4
Contraventions of Surface Water Quality Standards
Metals - Quarter 2 2014

Parameter	Units	NYS Water Quality Standard		Surface Water Sample Locations SW-1	SW-2	SW-3
Al	(mg/l)	0.1	a	--	--	--
Sb	(mg/l)	0.003	a	--	--	--
As	(mg/l)	0.05	a, b	--	--	--
Ba	(mg/l)	1	a	--	--	--
Be *	(mg/l)	0.004	a	--	--	--
Cd *	(mg/l)	0.0021	a	<0.005	<0.005	<0.005
Ca	(mg/l)	--		32.3	40	54.2
Cr *	(mg/l)	0.05	a, b	--	--	--
Cr+6	(mg/l)	0.011	a	--	--	--
Co	(mg/l)	0.005	a	--	--	--
Cu *	(mg/l)	0.009	a	--	--	--
Fe	(mg/l)	0.3		0.18	0.17	**0.42**
Pb *	(mg/l)	0.004	a	<0.01	<0.01	<0.01
Mg	(mg/l)	35	a	7.5	7.2	7.9
Mn	(mg/l)	0.3		0.1	<0.015	<0.015
Hg	(mg/l)	0.0007	a	--	--	--
Ni *	(mg/l)	0.052	a	--	--	--
K	(mg/l)	--		<5	<5	<5
Na	(mg/l)	20	b	15.1	10.7	12.1
Se	(mg/l)	0.0046	a	--	--	--
Ag	(mg/l)	0.0001	a	--	--	--
Tl	(mg/l)	0.002	b	--	--	--
V	(mg/l)	0.014	a	--	--	--
Zn *	(mg/l)	0.083	a	--	--	--

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

Appendix A

Analytical Laboratory Results

Cortland County Towslee Landfill

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: 480-60429-1
Client Project/Site: Towslee Landfill - Routine
Sampling Event: Towslee Landfill - Routine

For:
Cortland Cty Soil & Water Cons District
100 Grange Place
Rm 202
Cortland, New York 13045

Attn: Patrick Reidy

Authorized for release by:
6/10/2014 5:27:38 PM
Christina Dosier, Project Mgmt. Assistant
christina.dosier@testamericainc.com

Designee for

Ryan VanDette, Project Manager II
(716)504-9830
ryan.vandette@testamericainc.com

Table of Contents

Qualifiers

Metals

Qualifier	Qualifier Description
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.

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

Job ID: 480-60429-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-60429-1

Comments
No additional comments.

Receipt
The samples were received on 5/23/2014 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.0º C, 2.1º C, 2.4º C and 2.6º C.

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

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

General Chemistry
Method(s) 350.1: The results reported for the following samples do not concur with results previously reported for this site: MW-3B (480-60429-8), MW-4A (480-60429-9), MW-6B (480-60429-12), Scale House (480-60429-14). Reanalysis was performed, and the results confirmed.

Method(s) 350.1: The non-detect result for these samples measures less than the negative reporting limit, 0.02 mg/L (results were less than -0.02 mg/L). The sample was reanalyzed undiluted and with a dilution of 5x which confirmed the non-detect result.MW-3B (480-60429-8), MW-4A (480-60429-9), MW-6B (480-60429-12), Scale House (480-60429-14)

Method(s) 351.2: Due to the matrix, the initial volume(s) used for the following sample(s) deviated from the standard procedure: MW-6A (480-60429-11). The reporting limits (RLs) have been adjusted proportionately.

Method(s) SM 5210B: The USB dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results in batch 183900 are reported. (USB 480-183900/1)

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 183864 are reported. (USB 480-183864/1)
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 - Routine

TestAmerica Job ID: 480-60429-1

Client Sample ID: CD-1 — Lab Sample ID: 480-60429-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.77				SU	1		Field Sampling	Total/NA
Field Conductivity	255				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	10.31				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	666				NTU	1		Field Sampling	Total/NA
Field EH/ORP	179.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.97				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	65.6		0.50		mg/L	1		6010C	Total/NA
Iron	20.0		0.050		mg/L	1		6010C	Total/NA
Lead	0.011		0.010		mg/L	1		6010C	Total/NA
Magnesium	14.2		0.20		mg/L	1		6010C	Total/NA
Manganese	5.5		0.0030		mg/L	1		6010C	Total/NA
Potassium	4.3		0.50		mg/L	1		6010C	Total/NA
Sodium	4.0		1.0		mg/L	1		6010C	Total/NA
Calcium	33.0		0.50		mg/L	1		6010C	Dissolved
Magnesium	7.9		0.20		mg/L	1		6010C	Dissolved
Potassium	0.85		0.50		mg/L	1		6010C	Dissolved
Sodium	3.9		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	222		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	164		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	79.7		10.0		mg/L	1		310.2	Total/NA
Ammonia	0.042		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	0.12		0.050		mg/L	1		353.2	Total/NA
Sulfate	18.5		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	156		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	2.2		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: CD-1RA — Lab Sample ID: 480-60429-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	8.00				SU	1		Field Sampling	Total/NA
Field Conductivity	299				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	10.51				Degrees C	1		Field Sampling	Total/NA
Field EH/ORP	152.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.17				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	127		0.50		mg/L	1		6010C	Total/NA
Iron	96.9		0.050		mg/L	1		6010C	Total/NA
Lead	0.24		0.010		mg/L	1		6010C	Total/NA
Magnesium	44.7		0.20		mg/L	1		6010C	Total/NA
Manganese	3.1		0.0030		mg/L	1		6010C	Total/NA
Potassium	9.7		0.50		mg/L	1		6010C	Total/NA
Sodium	5.1		1.0		mg/L	1		6010C	Total/NA
Calcium	40.0		0.50		mg/L	1		6010C	Dissolved
Magnesium	9.5		0.20		mg/L	1		6010C	Dissolved
Manganese	0.12		0.0030		mg/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: CD-1RA (Continued)

Lab Sample ID: 480-60429-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	0.64		0.50		mg/L	1		6010C	Dissolved
Sodium	5.1		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	500		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	316		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	184		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	151		50.0		mg/L	5		310.2	Total/NA
Ammonia	0.095		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	2.4		0.20		mg/L	1		351.2	Total/NA
Sulfate	22.7		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	177		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: MW-1A

Lab Sample ID: 480-60429-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	8.03				SU	1		Field Sampling	Total/NA
Field Conductivity	379				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	11.18				Degrees C	1		Field Sampling	Total/NA
Field EH/ORP	144.6				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.84				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	68.4		0.50		mg/L	1		6010C	Total/NA
Iron	103		0.050		mg/L	1		6010C	Total/NA
Lead	0.044		0.010		mg/L	1		6010C	Total/NA
Magnesium	32.1		0.20		mg/L	1		6010C	Total/NA
Manganese	2.5		0.0030		mg/L	1		6010C	Total/NA
Potassium	12.1		0.50		mg/L	1		6010C	Total/NA
Sodium	11.6		1.0		mg/L	1		6010C	Total/NA
Calcium	41.9		0.50		mg/L	1		6010C	Dissolved
Magnesium	9.5		0.20		mg/L	1		6010C	Dissolved
Manganese	0.064		0.0030		mg/L	1		6010C	Dissolved
Potassium	0.92		0.50		mg/L	1		6010C	Dissolved
Sodium	11.7		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	303		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	171		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	132		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	149		50.0		mg/L	5		310.2	Total/NA
Ammonia	0.060		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	1.2		0.20		mg/L	1		351.2	Total/NA
Sulfate	21.4		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	239		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	33.7		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW-1B

Lab Sample ID: 480-60429-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	8.09				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1B (Continued)

Lab Sample ID: 480-60429-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field Conductivity	227				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	11.69				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	3.47				NTU	1		Field Sampling	Total/NA
Field EH/ORP	151.3				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.65				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	22.6		0.50		mg/L	1		6010C	Total/NA
Iron	0.26		0.050		mg/L	1		6010C	Total/NA
Magnesium	5.5		0.20		mg/L	1		6010C	Total/NA
Manganese	0.41		0.0030		mg/L	1		6010C	Total/NA
Sodium	5.4		1.0		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	79.1		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	56.5		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	22.6		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	110		50.0		mg/L	5		310.2	Total/NA
Nitrate as N	0.068		0.050		mg/L	1		353.2	Total/NA
Sulfate	8.8		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	121		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	1.8		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW-2A

Lab Sample ID: 480-60429-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.77				SU	1		Field Sampling	Total/NA
Field Conductivity	600				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	10.44				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	1674				NTU	1		Field Sampling	Total/NA
Field EH/ORP	30.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.84				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	61.6		0.50		mg/L	1		6010C	Total/NA
Iron	43.3		0.050		mg/L	1		6010C	Total/NA
Lead	0.022		0.010		mg/L	1		6010C	Total/NA
Magnesium	19.9		0.20		mg/L	1		6010C	Total/NA
Manganese	9.0		0.0030		mg/L	1		6010C	Total/NA
Potassium	11.2		0.50		mg/L	1		6010C	Total/NA
Sodium	11.1		1.0		mg/L	1		6010C	Total/NA
Calcium	56.5		0.50		mg/L	1		6010C	Dissolved
Magnesium	12.0		0.20		mg/L	1		6010C	Dissolved
Manganese	7.2		0.0030		mg/L	1		6010C	Dissolved
Potassium	7.4		0.50		mg/L	1		6010C	Dissolved
Sodium	11.0		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	236		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	154		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	81.9		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	250		100		mg/L	10		310.2	Total/NA
Ammonia	5.2		0.10		mg/L	5		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2A (Continued)

Lab Sample ID: 480-60429-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Kjeldahl Nitrogen	8.2		0.40		mg/L	2		351.2	Total/NA
Nitrate as N	0.15		0.050		mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	17.6		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	273		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	10.8		1.0		mg/L	1		SM 4500 Cl- E	Total/NA
Biochemical Oxygen Demand	8.9	b	2.0		mg/L	1		SM 5210B	Total/NA
Total Organic Carbon	4.6		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: MW-2B

Lab Sample ID: 480-60429-6

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.83				SU	1		Field Sampling	Total/NA
Field Conductivity	1358				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	10.24				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	19.1				NTU	1		Field Sampling	Total/NA
Field EH/ORP	55.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.94				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	182		0.50		mg/L	1		6010C	Total/NA
Iron	9.8		0.050		mg/L	1		6010C	Total/NA
Lead	0.013		0.010		mg/L	1		6010C	Total/NA
Magnesium	41.0		0.20		mg/L	1		6010C	Total/NA
Manganese	5.5		0.0030		mg/L	1		6010C	Total/NA
Potassium	4.0		0.50		mg/L	1		6010C	Total/NA
Sodium	42.9		1.0		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	622		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	453		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	169		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	657		100		mg/L	10		310.2	Total/NA
Ammonia	0.77		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	1.4		0.20		mg/L	1		351.2	Total/NA
Nitrate as N	0.054		0.050		mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	13.2		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	812		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	98.8		2.0		mg/L	2		SM 4500 Cl- E	Total/NA
Total Organic Carbon	4.6		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: MW-3A

Lab Sample ID: 480-60429-7

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.67				SU	1		Field Sampling	Total/NA
Field Conductivity	334				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	9.73				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	1123				NTU	1		Field Sampling	Total/NA
Field EH/ORP	-9.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.94				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	37.3		0.50		mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-3A (Continued)

Lab Sample ID: 480-60429-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	6.8		0.050		mg/L	1		6010C	Total/NA
Magnesium	8.3		0.20		mg/L	1		6010C	Total/NA
Manganese	1.4		0.0030		mg/L	1		6010C	Total/NA
Potassium	2.9		0.50		mg/L	1		6010C	Total/NA
Sodium	3.2		1.0		mg/L	1		6010C	Total/NA
Calcium	38.3		0.50		mg/L	1		6010C	Dissolved
Magnesium	7.3		0.20		mg/L	1		6010C	Dissolved
Manganese	1.3		0.0030		mg/L	1		6010C	Dissolved
Potassium	0.82		0.50		mg/L	1		6010C	Dissolved
Sodium	3.7		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	127		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	93.2		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	34.0		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	139		50.0		mg/L	5		310.2	Total/NA
Total Kjeldahl Nitrogen	0.52		0.20		mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	10.7		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	172		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	3.0		1.0		mg/L	1		SM 4500 Cl- E	Total/NA
Biochemical Oxygen Demand	3.6	b	2.0		mg/L	1		SM 5210B	Total/NA
Total Organic Carbon	2.6		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: MW-3B

Lab Sample ID: 480-60429-8

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.55				SU	1		Field Sampling	Total/NA
Field Conductivity	450				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	12.03				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	83				NTU	1		Field Sampling	Total/NA
Field EH/ORP	112.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.34				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	56.3		0.50		mg/L	1		6010C	Total/NA
Iron	1.7		0.050		mg/L	1		6010C	Total/NA
Magnesium	17.6		0.20		mg/L	1		6010C	Total/NA
Manganese	0.17		0.0030		mg/L	1		6010C	Total/NA
Potassium	1.4		0.50		mg/L	1		6010C	Total/NA
Sodium	8.6		1.0		mg/L	1		6010C	Total/NA
Calcium	55.8		0.50		mg/L	1		6010C	Dissolved
Magnesium	16.4		0.20		mg/L	1		6010C	Dissolved
Manganese	0.0073		0.0030		mg/L	1		6010C	Dissolved
Potassium	0.99		0.50		mg/L	1		6010C	Dissolved
Sodium	9.2		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	141		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	72.4		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	250		100		mg/L	10		310.2	Total/NA
Sulfate	15.3		5.0		mg/L	1		9038	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-3B (Continued)

Lab Sample ID: 480-60429-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	263		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	24.1		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW-4A

Lab Sample ID: 480-60429-9

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.91				SU	1		Field Sampling	Total/NA
Field Conductivity	787				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	9.32				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	14.8				NTU	1		Field Sampling	Total/NA
Field EH/ORP	241.2				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.74				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	98.8		0.50		mg/L	1		6010C	Total/NA
Iron	0.36		0.050		mg/L	1		6010C	Total/NA
Magnesium	21.9		0.20		mg/L	1		6010C	Total/NA
Manganese	1.4		0.0030		mg/L	1		6010C	Total/NA
Potassium	1.2		0.50		mg/L	1		6010C	Total/NA
Sodium	12.9		1.0		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	337		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	247		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	90.3		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	319		100		mg/L	10		310.2	Total/NA
Total Kjeldahl Nitrogen	0.22		0.20		mg/L	1		351.2	Total/NA
Nitrate as N	0.068		0.050		mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	21.7		10.0		mg/L	1		410.4	Total/NA
Sulfate	15.8		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	413		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	16.9		1.0		mg/L	1		SM 4500 Cl- E	Total/NA
Total Organic Carbon	1.3		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: MW-5A

Lab Sample ID: 480-60429-10

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	8.20				SU	1		Field Sampling	Total/NA
Field Conductivity	248				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	11.03				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	12.0				NTU	1		Field Sampling	Total/NA
Field EH/ORP	-31.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	5.63				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	28.5		0.50		mg/L	1		6010C	Total/NA
Iron	0.52		0.050		mg/L	1		6010C	Total/NA
Magnesium	8.3		0.20		mg/L	1		6010C	Total/NA
Manganese	0.050		0.0030		mg/L	1		6010C	Total/NA
Potassium	0.98		0.50		mg/L	1		6010C	Total/NA
Sodium	11.1		1.0		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	105		0.50		mg/L	1		SM 2340B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-5A (Continued)

Lab Sample ID: 480-60429-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium hardness as calcium carbonate	71.3		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	34.2		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	139		50.0		mg/L	5		310.2	Total/NA
Nitrate as N	0.097		0.050		mg/L	1		353.2	Total/NA
Sulfate	17.7		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	145		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	6.0		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW-6A

Lab Sample ID: 480-60429-11

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.80				SU	1		Field Sampling	Total/NA
Field Conductivity	408				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	9.02				Degrees C	1		Field Sampling	Total/NA
Field EH/ORP	127.0				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	4.36				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	54.6		0.50		mg/L	1		6010C	Total/NA
Iron	76.8		0.050		mg/L	1		6010C	Total/NA
Lead	0.025		0.010		mg/L	1		6010C	Total/NA
Magnesium	21.8		0.20		mg/L	1		6010C	Total/NA
Manganese	4.8		0.0030		mg/L	1		6010C	Total/NA
Potassium	10.6		0.50		mg/L	1		6010C	Total/NA
Sodium	13.1		1.0		mg/L	1		6010C	Total/NA
Calcium	49.6		0.50		mg/L	1		6010C	Dissolved
Magnesium	9.0		0.20		mg/L	1		6010C	Dissolved
Manganese	1.7		0.0030		mg/L	1		6010C	Dissolved
Potassium	1.9		0.50		mg/L	1		6010C	Dissolved
Sodium	13.6		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	226		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	136		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	89.7		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	136		50.0		mg/L	5		310.2	Total/NA
Ammonia	0.24		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	5.9		1.0		mg/L	1		351.2	Total/NA
Nitrate as N	0.24		0.050		mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	15.4		10.0		mg/L	1		410.4	Total/NA
Sulfate	17.7		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	233		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	6.1		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: 480-60429-12

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.13				SU	1		Field Sampling	Total/NA
Field Conductivity	354				umhos/cm	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-6B (Continued)

Lab Sample ID: 480-60429-12

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field Temperature	10.36				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	29.7				NTU	1		Field Sampling	Total/NA
Field EH/ORP	131.1				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	7.27				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	38.3		0.50		mg/L	1		6010C	Total/NA
Iron	2.6		0.050		mg/L	1		6010C	Total/NA
Magnesium	10.8		0.20		mg/L	1		6010C	Total/NA
Manganese	0.26		0.0030		mg/L	1		6010C	Total/NA
Potassium	1.3		0.50		mg/L	1		6010C	Total/NA
Sodium	12.8		1.0		mg/L	1		6010C	Total/NA
Hardness as calcium carbonate	140		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	95.6		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	44.6		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	203		100		mg/L	10		310.2	Total/NA
Nitrate as N	0.098		0.050		mg/L	1		353.2	Total/NA
Sulfate	37.6		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	188		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	17.4		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: MW-7A

Lab Sample ID: 480-60429-13

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.96				SU	1		Field Sampling	Total/NA
Field Conductivity	1099				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	11.05				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	99.7				NTU	1		Field Sampling	Total/NA
Field EH/ORP	202.5				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	7.52				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	115		0.50		mg/L	1		6010C	Total/NA
Iron	7.6		0.050		mg/L	1		6010C	Total/NA
Magnesium	31.0		0.20		mg/L	1		6010C	Total/NA
Manganese	3.2		0.0030		mg/L	1		6010C	Total/NA
Potassium	3.3		0.50		mg/L	1		6010C	Total/NA
Sodium	81.4		1.0		mg/L	1		6010C	Total/NA
Calcium	113		0.50		mg/L	1		6010C	Dissolved
Magnesium	28.8		0.20		mg/L	1		6010C	Dissolved
Manganese	2.9		0.0030		mg/L	1		6010C	Dissolved
Potassium	1.1		0.50		mg/L	1		6010C	Dissolved
Sodium	74.4		1.0		mg/L	1		6010C	Dissolved
Hardness as calcium carbonate	414		0.50		mg/L	1		SM 2340B	Total/NA
Calcium hardness as calcium carbonate	286		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	128		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	520		100		mg/L	10		310.2	Total/NA
Ammonia	0.027		0.020		mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.62		0.20		mg/L	1		351.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-7A (Continued)

Lab Sample ID: 480-60429-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.055		0.050		mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	17.3		10.0		mg/L	1		410.4	Total/NA
Sulfate	31.6		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	645		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	73.5		2.0		mg/L	2		SM 4500 Cl- E	Total/NA
Total Organic Carbon	4.8		1.0		mg/L	1		SM 5310D	Total/NA

Client Sample ID: Scale House

Lab Sample ID: 480-60429-14

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.63				SU	1		Field Sampling	Total/NA
Field Conductivity	350				umhos/cm	1		Field Sampling	Total/NA
Field Temperature	11.86				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	0.28				NTU	1		Field Sampling	Total/NA
Field EH/ORP	108.4				millivolts	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.88				mg/L	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	39.4		0.50		mg/L	1		6010C	Total/NA
Magnesium	9.0		0.20		mg/L	1		6010C	Total/NA
Sodium	7.2		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	98.3		0.50		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as calcium carbonate	37.2		0.50		mg/L	1		SM 2340B	Total/NA
Alkalinity, Total	139		50.0		mg/L	5		310.2	Total/NA
Nitrate as N	0.075		0.050		mg/L	1		353.2	Total/NA
Sulfate	37.8		5.0		mg/L	1		9038	Total/NA
Total Dissolved Solids	187		10.0		mg/L	1		SM 2540C	Total/NA
Chloride	10.3		1.0		mg/L	1		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: CD-1

Date Collected: 05/21/14 15:40
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-1

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 21:35	1
Calcium	**65.6**		0.50		mg/L		05/28/14 09:00	05/28/14 21:35	1
Iron	**20.0**		0.050		mg/L		05/28/14 09:00	05/28/14 21:35	1
Lead	**0.011**		0.010		mg/L		05/28/14 09:00	05/28/14 21:35	1
Magnesium	**14.2**		0.20		mg/L		05/28/14 09:00	05/28/14 21:35	1
Manganese	**5.5**		0.0030		mg/L		05/28/14 09:00	05/28/14 21:35	1
Potassium	**4.3**		0.50		mg/L		05/28/14 09:00	05/28/14 21:35	1
Sodium	**4.0**		1.0		mg/L		05/28/14 09:00	05/28/14 21:35	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/29/14 09:00	05/29/14 18:38	1
Calcium	**33.0**		0.50		mg/L		05/29/14 09:00	05/29/14 18:38	1
Iron	ND		0.050		mg/L		05/29/14 09:00	05/29/14 18:38	1
Lead	ND		0.010		mg/L		05/29/14 09:00	05/29/14 18:38	1
Magnesium	**7.9**		0.20		mg/L		05/29/14 09:00	05/29/14 18:38	1
Manganese	ND		0.0030		mg/L		05/29/14 09:00	05/29/14 18:38	1
Potassium	**0.85**		0.50		mg/L		05/29/14 09:00	05/29/14 18:38	1
Sodium	**3.9**		1.0		mg/L		05/29/14 09:00	05/29/14 18:38	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	**222**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**164**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**58.5**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 01:51	1
Alkalinity, Total	**79.7**		10.0		mg/L			06/03/14 09:43	1
Ammonia	**0.042**		0.020		mg/L			05/28/14 18:00	1
Total Kjeldahl Nitrogen	**0.56**		0.20		mg/L		05/29/14 12:13	05/29/14 16:55	1
Nitrate as N	**0.12**		0.050		mg/L			05/23/14 09:24	1
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:38	1
Sulfate	**18.5**		5.0		mg/L			06/03/14 09:44	1
Total Dissolved Solids	**156**		10.0		mg/L			05/27/14 21:52	1
Chloride	**2.2**		1.0		mg/L			06/03/14 09:41	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	ND		1.0		mg/L			05/28/14 20:27	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.77**				SU			05/21/14 15:40	1
Field Conductivity	**255**				umhos/cm			05/21/14 15:40	1
Field Temperature	**10.31**				Degrees C			05/21/14 15:40	1
Field Turbidity	**666**				NTU			05/21/14 15:40	1
Field EH/ORP	**179.2**				millivolts			05/21/14 15:40	1
Oxygen, Dissolved	**3.97**				mg/L			05/21/14 15:40	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: CD-1RA

Date Collected: 05/21/14 15:15
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-2

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 21:49	1
Calcium	**127**		0.50		mg/L		05/28/14 09:00	05/28/14 21:49	1
Iron	**96.9**		0.050		mg/L		05/28/14 09:00	05/28/14 21:49	1
Lead	**0.24**		0.010		mg/L		05/28/14 09:00	05/28/14 21:49	1
Magnesium	**44.7**		0.20		mg/L		05/28/14 09:00	05/28/14 21:49	1
Manganese	**3.1**		0.0030		mg/L		05/28/14 09:00	05/28/14 21:49	1
Potassium	**9.7**		0.50		mg/L		05/28/14 09:00	05/28/14 21:49	1
Sodium	**5.1**		1.0		mg/L		05/28/14 09:00	05/28/14 21:49	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/29/14 09:00	05/29/14 18:41	1
Calcium	**40.0**		0.50		mg/L		05/29/14 09:00	05/29/14 18:41	1
Iron	ND		0.050		mg/L		05/29/14 09:00	05/29/14 18:41	1
Lead	ND		0.010		mg/L		05/29/14 09:00	05/29/14 18:41	1
Magnesium	**9.5**		0.20		mg/L		05/29/14 09:00	05/29/14 18:41	1
Manganese	**0.12**		0.0030		mg/L		05/29/14 09:00	05/29/14 18:41	1
Potassium	**0.64**		0.50		mg/L		05/29/14 09:00	05/29/14 18:41	1
Sodium	**5.1**		1.0		mg/L		05/29/14 09:00	05/29/14 18:41	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	**500**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**316**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**184**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 02:02	1
Alkalinity, Total	**151**		50.0		mg/L			05/30/14 15:08	5
Ammonia	**0.095**		0.020		mg/L			05/28/14 18:00	1
Total Kjeldahl Nitrogen	**2.4**		0.20		mg/L		05/29/14 12:13	05/29/14 16:55	1
Nitrate as N	ND		0.050		mg/L			05/23/14 08:33	1
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:38	1
Sulfate	**22.7**		5.0		mg/L			05/30/14 14:11	1
Total Dissolved Solids	**177**		10.0		mg/L			05/27/14 21:53	1
Chloride	**1.4**		1.0		mg/L			05/30/14 14:37	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	ND		1.0		mg/L			05/28/14 20:44	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.00**				SU			05/21/14 15:15	1
Field Conductivity	**299**				umhos/cm			05/21/14 15:15	1
Field Temperature	**10.51**				Degrees C			05/21/14 15:15	1
Field EH/ORP	**152.0**				millivolts			05/21/14 15:15	1
Oxygen, Dissolved	**3.17**				mg/L			05/21/14 15:15	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-1A

Date Collected: 05/21/14 16:15
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-3

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 21:52	1
Calcium	**68.4**		0.50		mg/L		05/28/14 09:00	05/28/14 21:52	1
Iron	**103**		0.050		mg/L		05/28/14 09:00	05/28/14 21:52	1
Lead	**0.044**		0.010		mg/L		05/28/14 09:00	05/28/14 21:52	1
Magnesium	**32.1**		0.20		mg/L		05/28/14 09:00	05/28/14 21:52	1
Manganese	**2.5**		0.0030		mg/L		05/28/14 09:00	05/28/14 21:52	1
Potassium	**12.1**		0.50		mg/L		05/28/14 09:00	05/28/14 21:52	1
Sodium	**11.6**		1.0		mg/L		05/28/14 09:00	05/28/14 21:52	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/29/14 09:00	05/29/14 18:44	1
Calcium	**41.9**		0.50		mg/L		05/29/14 09:00	05/29/14 18:44	1
Iron	ND		0.050		mg/L		05/29/14 09:00	05/29/14 18:44	1
Lead	ND		0.010		mg/L		05/29/14 09:00	05/29/14 18:44	1
Magnesium	**9.5**		0.20		mg/L		05/29/14 09:00	05/29/14 18:44	1
Manganese	**0.064**		0.0030		mg/L		05/29/14 09:00	05/29/14 18:44	1
Potassium	**0.92**		0.50		mg/L		05/29/14 09:00	05/29/14 18:44	1
Sodium	**11.7**		1.0		mg/L		05/29/14 09:00	05/29/14 18:44	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	**303**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**171**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**132**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 02:12	1
Alkalinity, Total	**149**		50.0		mg/L			05/30/14 15:08	5
Ammonia	**0.060**		0.020		mg/L			05/28/14 18:01	1
Total Kjeldahl Nitrogen	**1.2**		0.20		mg/L		05/29/14 12:18	05/29/14 16:55	1
Nitrate as N	ND		0.050		mg/L			05/23/14 08:35	1
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:38	1
Sulfate	**21.4**		5.0		mg/L			05/30/14 14:11	1
Total Dissolved Solids	**239**		10.0		mg/L			05/27/14 21:54	1
Chloride	**33.7**		1.0		mg/L			05/30/14 14:37	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	ND		1.0		mg/L			05/28/14 21:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.03**				SU			05/21/14 16:15	1
Field Conductivity	**379**				umhos/cm			05/21/14 16:15	1
Field Temperature	**11.18**				Degrees C			05/21/14 16:15	1
Field EH/ORP	**144.6**				millivolts			05/21/14 16:15	1
Oxygen, Dissolved	**4.84**				mg/L			05/21/14 16:15	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-1B
Date Collected: 05/21/14 14:10
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-4
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:03	1
Calcium	**22.6**		0.50		mg/L		05/28/14 09:00	05/28/14 22:03	1
Iron	**0.26**		0.050		mg/L		05/28/14 09:00	05/28/14 22:03	1
Lead	ND		0.010		mg/L		05/28/14 09:00	05/28/14 22:03	1
Magnesium	**5.5**		0.20		mg/L		05/28/14 09:00	05/28/14 22:03	1
Manganese	**0.41**		0.0030		mg/L		05/28/14 09:00	05/28/14 22:03	1
Potassium	ND		0.50		mg/L		05/28/14 09:00	05/28/14 22:03	1
Sodium	**5.4**		1.0		mg/L		05/28/14 09:00	05/28/14 22:03	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	**79.1**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**56.5**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**22.6**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 02:22	1
Alkalinity, Total	**110**		50.0		mg/L			05/30/14 15:08	5
Ammonia	ND		0.020		mg/L			05/28/14 18:02	1
Total Kjeldahl Nitrogen	ND		0.20		mg/L		05/29/14 12:18	05/29/14 17:04	1
Nitrate as N	**0.068**		0.050		mg/L			05/23/14 09:25	1
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:38	1
Sulfate	**8.8**		5.0		mg/L			05/30/14 14:11	1
Total Dissolved Solids	**121**		10.0		mg/L			05/27/14 21:55	1
Chloride	**1.8**		1.0		mg/L			05/30/14 14:37	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	ND		1.0		mg/L			05/28/14 21:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.09**				SU			05/21/14 14:10	1
Field Conductivity	**227**				umhos/cm			05/21/14 14:10	1
Field Temperature	**11.69**				Degrees C			05/21/14 14:10	1
Field Turbidity	**3.47**				NTU			05/21/14 14:10	1
Field EH/ORP	**151.3**				millivolts			05/21/14 14:10	1
Oxygen, Dissolved	**2.65**				mg/L			05/21/14 14:10	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-2A
Date Collected: 05/21/14 17:15
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-5
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:06	1
Calcium	61.6		0.50		mg/L		05/28/14 09:00	05/28/14 22:06	1
Iron	43.3		0.050		mg/L		05/28/14 09:00	05/28/14 22:06	1
Lead	0.022		0.010		mg/L		05/28/14 09:00	05/28/14 22:06	1
Magnesium	19.9		0.20		mg/L		05/28/14 09:00	05/28/14 22:06	1
Manganese	9.0		0.0030		mg/L		05/28/14 09:00	05/28/14 22:06	1
Potassium	11.2		0.50		mg/L		05/28/14 09:00	05/28/14 22:06	1
Sodium	11.1		1.0		mg/L		05/28/14 09:00	05/28/14 22:06	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/29/14 09:00	05/29/14 18:47	1
Calcium	56.5		0.50		mg/L		05/29/14 09:00	05/29/14 18:47	1
Iron	ND		0.050		mg/L		05/29/14 09:00	05/29/14 18:47	1
Lead	ND		0.010		mg/L		05/29/14 09:00	05/29/14 18:47	1
Magnesium	12.0		0.20		mg/L		05/29/14 09:00	05/29/14 18:47	1
Manganese	7.2		0.0030		mg/L		05/29/14 09:00	05/29/14 18:47	1
Potassium	7.4		0.50		mg/L		05/29/14 09:00	05/29/14 18:47	1
Sodium	11.0		1.0		mg/L		05/29/14 09:00	05/29/14 18:47	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	236		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	154		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	81.9		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 03:33	1
Alkalinity, Total	250		100		mg/L			05/31/14 08:45	10
Ammonia	5.2		0.10		mg/L			05/28/14 22:52	5
Total Kjeldahl Nitrogen	8.2		0.40		mg/L		05/29/14 12:18	05/29/14 17:46	2
Nitrate as N	0.15		0.050		mg/L			05/23/14 09:26	1
Chemical Oxygen Demand	17.6		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:39	1
Sulfate	ND		5.0		mg/L			05/31/14 08:23	1
Total Dissolved Solids	273		10.0		mg/L			05/27/14 19:38	1
Chloride	10.8		1.0		mg/L			05/31/14 08:25	1
Biochemical Oxygen Demand	8.9	b	2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	4.6		1.0		mg/L			05/28/14 22:07	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.77				SU			05/21/14 17:15	1
Field Conductivity	600				umhos/cm			05/21/14 17:15	1
Field Temperature	10.44				Degrees C			05/21/14 17:15	1
Field Turbidity	1674				NTU			05/21/14 17:15	1
Field EH/ORP	30.4				millivolts			05/21/14 17:15	1
Oxygen, Dissolved	4.84				mg/L			05/21/14 17:15	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-2B
Date Collected: 05/21/14 17:30
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-6
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:09	1
Calcium	**182**		0.50		mg/L		05/28/14 09:00	05/28/14 22:09	1
Iron	**9.8**		0.050		mg/L		05/28/14 09:00	05/28/14 22:09	1
Lead	**0.013**		0.010		mg/L		05/28/14 09:00	05/28/14 22:09	1
Magnesium	**41.0**		0.20		mg/L		05/28/14 09:00	05/28/14 22:09	1
Manganese	**5.5**		0.0030		mg/L		05/28/14 09:00	05/28/14 22:09	1
Potassium	**4.0**		0.50		mg/L		05/28/14 09:00	05/28/14 22:09	1
Sodium	**42.9**		1.0		mg/L		05/28/14 09:00	05/28/14 22:09	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	**622**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**453**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**169**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 03:43	1
Alkalinity, Total	**657**		100		mg/L			05/30/14 14:59	10
Ammonia	**0.77**		0.020		mg/L			05/28/14 18:09	1
Total Kjeldahl Nitrogen	**1.4**		0.20		mg/L		05/29/14 12:18	05/29/14 17:04	1
Nitrate as N	**0.054**		0.050		mg/L			05/23/14 09:27	1
Chemical Oxygen Demand	**13.2**		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:39	1
Sulfate	ND		5.0		mg/L			05/30/14 14:16	1
Total Dissolved Solids	**812**		10.0		mg/L			05/27/14 19:39	1
Chloride	**98.8**		2.0		mg/L			05/30/14 15:00	2
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	**4.6**		1.0		mg/L			05/28/14 22:24	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.83**				SU			05/21/14 17:30	1
Field Conductivity	**1358**				umhos/cm			05/21/14 17:30	1
Field Temperature	**10.24**				Degrees C			05/21/14 17:30	1
Field Turbidity	**19.1**				NTU			05/21/14 17:30	1
Field EH/ORP	**55.2**				millivolts			05/21/14 17:30	1
Oxygen, Dissolved	**4.94**				mg/L			05/21/14 17:30	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-3A
Date Collected: 05/21/14 18:00
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-7
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:12	1
Calcium	**37.3**		0.50		mg/L		05/28/14 09:00	05/28/14 22:12	1
Iron	**6.8**		0.050		mg/L		05/28/14 09:00	05/28/14 22:12	1
Lead	ND		0.010		mg/L		05/28/14 09:00	05/28/14 22:12	1
Magnesium	**8.3**		0.20		mg/L		05/28/14 09:00	05/28/14 22:12	1
Manganese	**1.4**		0.0030		mg/L		05/28/14 09:00	05/28/14 22:12	1
Potassium	**2.9**		0.50		mg/L		05/28/14 09:00	05/28/14 22:12	1
Sodium	**3.2**		1.0		mg/L		05/28/14 09:00	05/28/14 22:12	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/29/14 09:00	05/29/14 18:49	1
Calcium	**38.3**		0.50		mg/L		05/29/14 09:00	05/29/14 18:49	1
Iron	ND		0.050		mg/L		05/29/14 09:00	05/29/14 18:49	1
Lead	ND		0.010		mg/L		05/29/14 09:00	05/29/14 18:49	1
Magnesium	**7.3**		0.20		mg/L		05/29/14 09:00	05/29/14 18:49	1
Manganese	**1.3**		0.0030		mg/L		05/29/14 09:00	05/29/14 18:49	1
Potassium	**0.82**		0.50		mg/L		05/29/14 09:00	05/29/14 18:49	1
Sodium	**3.7**		1.0		mg/L		05/29/14 09:00	05/29/14 18:49	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	**127**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**93.2**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**34.0**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 03:53	1
Alkalinity, Total	**139**		50.0		mg/L			05/31/14 09:44	5
Ammonia	ND		0.020		mg/L			05/28/14 18:10	1
Total Kjeldahl Nitrogen	**0.52**		0.20		mg/L		05/29/14 12:18	05/29/14 17:04	1
Nitrate as N	ND		0.050		mg/L			05/23/14 08:39	1
Chemical Oxygen Demand	**10.7**		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:42	1
Sulfate	ND		5.0		mg/L			05/31/14 08:38	1
Total Dissolved Solids	**172**		10.0		mg/L			05/27/14 19:40	1
Chloride	**3.0**		1.0		mg/L			05/31/14 08:32	1
Biochemical Oxygen Demand	**3.6**	**b**	2.0		mg/L			05/23/14 14:02	1
Total Organic Carbon	**2.6**		1.0		mg/L			05/28/14 22:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.67**				SU			05/21/14 18:00	1
Field Conductivity	**334**				umhos/cm			05/21/14 18:00	1
Field Temperature	**9.73**				Degrees C			05/21/14 18:00	1
Field Turbidity	**1123**				NTU			05/21/14 18:00	1
Field EH/ORP	**-9.4**				millivolts			05/21/14 18:00	1
Oxygen, Dissolved	**5.94**				mg/L			05/21/14 18:00	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-3B
Date Collected: 05/21/14 18:30
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-8
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:15	1
Calcium	**56.3**		0.50		mg/L		05/28/14 09:00	05/28/14 22:15	1
Iron	**1.7**		0.050		mg/L		05/28/14 09:00	05/28/14 22:15	1
Lead	ND		0.010		mg/L		05/28/14 09:00	05/28/14 22:15	1
Magnesium	**17.6**		0.20		mg/L		05/28/14 09:00	05/28/14 22:15	1
Manganese	**0.17**		0.0030		mg/L		05/28/14 09:00	05/28/14 22:15	1
Potassium	**1.4**		0.50		mg/L		05/28/14 09:00	05/28/14 22:15	1
Sodium	**8.6**		1.0		mg/L		05/28/14 09:00	05/28/14 22:15	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/29/14 09:00	05/29/14 18:52	1
Calcium	**55.8**		0.50		mg/L		05/29/14 09:00	05/29/14 18:52	1
Iron	ND		0.050		mg/L		05/29/14 09:00	05/29/14 18:52	1
Lead	ND		0.010		mg/L		05/29/14 09:00	05/29/14 18:52	1
Magnesium	**16.4**		0.20		mg/L		05/29/14 09:00	05/29/14 18:52	1
Manganese	**0.0073**		0.0030		mg/L		05/29/14 09:00	05/29/14 18:52	1
Potassium	**0.99**		0.50		mg/L		05/29/14 09:00	05/29/14 18:52	1
Sodium	**9.2**		1.0		mg/L		05/29/14 09:00	05/29/14 18:52	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			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**141**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**72.4**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 04:03	1
Alkalinity, Total	**250**		100		mg/L			05/30/14 14:47	10
Ammonia	ND		0.020		mg/L			05/28/14 18:11	1
Total Kjeldahl Nitrogen	ND		0.20		mg/L		05/29/14 12:18	05/29/14 17:04	1
Nitrate as N	ND		0.050		mg/L			05/23/14 08:40	1
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:26	1
Sulfate	**15.3**		5.0		mg/L			05/30/14 14:11	1
Total Dissolved Solids	**263**		10.0		mg/L			05/27/14 19:41	1
Chloride	**24.1**		1.0		mg/L			05/30/14 14:37	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 14:02	1
Total Organic Carbon	ND		1.0		mg/L			05/28/14 22:58	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.55**				SU			05/21/14 18:30	1
Field Conductivity	**450**				umhos/cm			05/21/14 18:30	1
Field Temperature	**12.03**				Degrees C			05/21/14 18:30	1
Field Turbidity	**83**				NTU			05/21/14 18:30	1
Field EH/ORP	**112.2**				millivolts			05/21/14 18:30	1
Oxygen, Dissolved	**5.34**				mg/L			05/21/14 18:30	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-4A
Date Collected: 05/21/14 13:45
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-9
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:17	1
Calcium	**98.8**		0.50		mg/L		05/28/14 09:00	05/28/14 22:17	1
Iron	**0.36**		0.050		mg/L		05/28/14 09:00	05/28/14 22:17	1
Lead	ND		0.010		mg/L		05/28/14 09:00	05/28/14 22:17	1
Magnesium	**21.9**		0.20		mg/L		05/28/14 09:00	05/28/14 22:17	1
Manganese	**1.4**		0.0030		mg/L		05/28/14 09:00	05/28/14 22:17	1
Potassium	**1.2**		0.50		mg/L		05/28/14 09:00	05/28/14 22:17	1
Sodium	**12.9**		1.0		mg/L		05/28/14 09:00	05/28/14 22:17	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	**337**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**247**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**90.3**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 04:13	1
Alkalinity, Total	**319**		100		mg/L			05/31/14 08:45	10
Ammonia	ND		0.020		mg/L			05/28/14 18:12	1
Total Kjeldahl Nitrogen	**0.22**		0.20		mg/L		05/29/14 12:18	05/29/14 17:04	1
Nitrate as N	**0.068**		0.050		mg/L			05/23/14 09:28	1
Chemical Oxygen Demand	**21.7**		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:26	1
Sulfate	**15.8**		5.0		mg/L			05/31/14 08:23	1
Total Dissolved Solids	**413**		10.0		mg/L			05/27/14 21:56	1
Chloride	**16.9**		1.0		mg/L			05/31/14 08:32	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	**1.3**		1.0		mg/L			05/28/14 23:14	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.91**				SU			05/21/14 13:45	1
Field Conductivity	**787**				umhos/cm			05/21/14 13:45	1
Field Temperature	**9.32**				Degrees C			05/21/14 13:45	1
Field Turbidity	**14.8**				NTU			05/21/14 13:45	1
Field EH/ORP	**241.2**				millivolts			05/21/14 13:45	1
Oxygen, Dissolved	**5.74**				mg/L			05/21/14 13:45	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-5A
Date Collected: 05/21/14 13:20
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-10
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:20	1
Calcium	**28.5**		0.50		mg/L		05/28/14 09:00	05/28/14 22:20	1
Iron	**0.52**		0.050		mg/L		05/28/14 09:00	05/28/14 22:20	1
Lead	ND		0.010		mg/L		05/28/14 09:00	05/28/14 22:20	1
Magnesium	**8.3**		0.20		mg/L		05/28/14 09:00	05/28/14 22:20	1
Manganese	**0.050**		0.0030		mg/L		05/28/14 09:00	05/28/14 22:20	1
Potassium	**0.98**		0.50		mg/L		05/28/14 09:00	05/28/14 22:20	1
Sodium	**11.1**		1.0		mg/L		05/28/14 09:00	05/28/14 22:20	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	**105**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**71.3**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**34.2**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 04:23	1
Alkalinity, Total	**139**		50.0		mg/L			05/31/14 08:52	5
Ammonia	ND		0.020		mg/L			05/28/14 18:13	1
Total Kjeldahl Nitrogen	ND		0.20		mg/L		05/29/14 12:18	05/29/14 17:04	1
Nitrate as N	**0.097**		0.050		mg/L			05/23/14 09:31	1
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 10:26	1
Sulfate	**17.7**		5.0		mg/L			05/31/14 08:23	1
Total Dissolved Solids	**145**		10.0		mg/L			05/27/14 21:57	1
Chloride	**6.0**		1.0		mg/L			05/31/14 08:40	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	ND		1.0		mg/L			05/28/14 23:31	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.20**				SU			05/21/14 13:20	1
Field Conductivity	**248**				umhos/cm			05/21/14 13:20	1
Field Temperature	**11.03**				Degrees C			05/21/14 13:20	1
Field Turbidity	**12.0**				NTU			05/21/14 13:20	1
Field EH/ORP	**-31.4**				millivolts			05/21/14 13:20	1
Oxygen, Dissolved	**5.63**				mg/L			05/21/14 13:20	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-6A

Date Collected: 05/21/14 12:55
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-11

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:23	1
Calcium	**54.6**		0.50		mg/L		05/28/14 09:00	05/28/14 22:23	1
Iron	**76.8**		0.050		mg/L		05/28/14 09:00	05/28/14 22:23	1
Lead	**0.025**		0.010		mg/L		05/28/14 09:00	05/28/14 22:23	1
Magnesium	**21.8**		0.20		mg/L		05/28/14 09:00	05/28/14 22:23	1
Manganese	**4.8**		0.0030		mg/L		05/28/14 09:00	05/28/14 22:23	1
Potassium	**10.6**		0.50		mg/L		05/28/14 09:00	05/28/14 22:23	1
Sodium	**13.1**		1.0		mg/L		05/28/14 09:00	05/28/14 22:23	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/29/14 09:00	05/29/14 19:03	1
Calcium	**49.6**		0.50		mg/L		05/29/14 09:00	05/29/14 19:03	1
Iron	ND		0.050		mg/L		05/29/14 09:00	05/29/14 19:03	1
Lead	ND		0.010		mg/L		05/29/14 09:00	05/29/14 19:03	1
Magnesium	**9.0**		0.20		mg/L		05/29/14 09:00	05/29/14 19:03	1
Manganese	**1.7**		0.0030		mg/L		05/29/14 09:00	05/29/14 19:03	1
Potassium	**1.9**		0.50		mg/L		05/29/14 09:00	05/29/14 19:03	1
Sodium	**13.6**		1.0		mg/L		05/29/14 09:00	05/29/14 19:03	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	**226**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**136**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**89.7**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 04:33	1
Alkalinity, Total	**136**		50.0		mg/L			05/31/14 09:44	5
Ammonia	**0.24**		0.020		mg/L			05/28/14 18:14	1
Total Kjeldahl Nitrogen	**5.9**		1.0		mg/L		05/29/14 12:18	05/29/14 17:04	1
Nitrate as N	**0.24**		0.050		mg/L			05/23/14 09:32	1
Chemical Oxygen Demand	**15.4**		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 11:02	05/29/14 10:20	1
Sulfate	**17.7**		5.0		mg/L			05/31/14 08:23	1
Total Dissolved Solids	**233**		10.0		mg/L			05/27/14 21:58	1
Chloride	**6.1**		1.0		mg/L			05/31/14 08:25	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	**2.2**		1.0		mg/L			05/29/14 00:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.80**				SU			05/21/14 12:55	1
Field Conductivity	**408**				umhos/cm			05/21/14 12:55	1
Field Temperature	**9.02**				Degrees C			05/21/14 12:55	1
Field EH/ORP	**127.0**				millivolts			05/21/14 12:55	1
Oxygen, Dissolved	**4.36**				mg/L			05/21/14 12:55	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-6B
Date Collected: 05/21/14 12:35
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-12
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:26	1
Calcium	**38.3**		0.50		mg/L		05/28/14 09:00	05/28/14 22:26	1
Iron	**2.6**		0.050		mg/L		05/28/14 09:00	05/28/14 22:26	1
Lead	ND		0.010		mg/L		05/28/14 09:00	05/28/14 22:26	1
Magnesium	**10.8**		0.20		mg/L		05/28/14 09:00	05/28/14 22:26	1
Manganese	**0.26**		0.0030		mg/L		05/28/14 09:00	05/28/14 22:26	1
Potassium	**1.3**		0.50		mg/L		05/28/14 09:00	05/28/14 22:26	1
Sodium	**12.8**		1.0		mg/L		05/28/14 09:00	05/28/14 22:26	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	**140**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**95.6**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**44.6**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 05:14	1
Alkalinity, Total	**203**		100		mg/L			05/30/14 14:46	10
Ammonia	ND		0.020		mg/L			05/28/14 18:14	1
Total Kjeldahl Nitrogen	ND		0.20		mg/L		05/29/14 12:18	05/29/14 17:11	1
Nitrate as N	**0.098**		0.050		mg/L			05/23/14 09:34	1
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 11:02	05/29/14 10:20	1
Sulfate	**37.6**		5.0		mg/L			05/30/14 14:11	1
Total Dissolved Solids	**188**		10.0		mg/L			05/27/14 21:59	1
Chloride	**17.4**		1.0		mg/L			05/30/14 14:37	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	ND		1.0		mg/L			05/29/14 02:38	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.13**				SU			05/21/14 12:35	1
Field Conductivity	**354**				umhos/cm			05/21/14 12:35	1
Field Temperature	**10.36**				Degrees C			05/21/14 12:35	1
Field Turbidity	**29.7**				NTU			05/21/14 12:35	1
Field EH/ORP	**131.1**				millivolts			05/21/14 12:35	1
Oxygen, Dissolved	**7.27**				mg/L			05/21/14 12:35	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-7A

Date Collected: 05/21/14 16:30
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-13

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:37	1
Calcium	**115**		0.50		mg/L		05/28/14 09:00	05/28/14 22:37	1
Iron	**7.6**		0.050		mg/L		05/28/14 09:00	05/28/14 22:37	1
Lead	ND		0.010		mg/L		05/28/14 09:00	05/28/14 22:37	1
Magnesium	**31.0**		0.20		mg/L		05/28/14 09:00	05/28/14 22:37	1
Manganese	**3.2**		0.0030		mg/L		05/28/14 09:00	05/28/14 22:37	1
Potassium	**3.3**		0.50		mg/L		05/28/14 09:00	05/28/14 22:37	1
Sodium	**81.4**		1.0		mg/L		05/28/14 09:00	05/28/14 22:37	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/29/14 09:00	05/29/14 19:06	1
Calcium	**113**		0.50		mg/L		05/29/14 09:00	05/29/14 19:06	1
Iron	ND		0.050		mg/L		05/29/14 09:00	05/29/14 19:06	1
Lead	ND		0.010		mg/L		05/29/14 09:00	05/29/14 19:06	1
Magnesium	**28.8**		0.20		mg/L		05/29/14 09:00	05/29/14 19:06	1
Manganese	**2.9**		0.0030		mg/L		05/29/14 09:00	05/29/14 19:06	1
Potassium	**1.1**		0.50		mg/L		05/29/14 09:00	05/29/14 19:06	1
Sodium	**74.4**		1.0		mg/L		05/29/14 09:00	05/29/14 19:06	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	**414**		0.50		mg/L			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**286**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**128**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 05:24	1
Alkalinity, Total	**520**		100		mg/L			05/31/14 08:45	10
Ammonia	**0.027**		0.020		mg/L			05/28/14 18:18	1
Total Kjeldahl Nitrogen	**0.62**		0.20		mg/L		05/29/14 12:18	05/29/14 17:11	1
Nitrate as N	**0.055**		0.050		mg/L			05/23/14 09:39	1
Chemical Oxygen Demand	**17.3**		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 11:02	05/29/14 10:20	1
Sulfate	**31.6**		5.0		mg/L			05/31/14 08:23	1
Total Dissolved Solids	**645**		10.0		mg/L			05/27/14 22:00	1
Chloride	**73.5**		2.0		mg/L			05/31/14 08:54	2
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	**4.8**		1.0		mg/L			05/29/14 02:55	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.96**				SU			05/21/14 16:30	1
Field Conductivity	**1099**				umhos/cm			05/21/14 16:30	1
Field Temperature	**11.05**				Degrees C			05/21/14 16:30	1
Field Turbidity	**99.7**				NTU			05/21/14 16:30	1
Field EH/ORP	**202.5**				millivolts			05/21/14 16:30	1
Oxygen, Dissolved	**7.52**				mg/L			05/21/14 16:30	1

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: Scale House

Date Collected: 05/21/14 12:00
Date Received: 05/23/14 01:00

Lab Sample ID: 480-60429-14
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 22:40	1
Calcium	**39.4**		0.50		mg/L		05/28/14 09:00	05/28/14 22:40	1
Iron	ND		0.050		mg/L		05/28/14 09:00	05/28/14 22:40	1
Lead	ND		0.010		mg/L		05/28/14 09:00	05/28/14 22:40	1
Magnesium	**9.0**		0.20		mg/L		05/28/14 09:00	05/28/14 22:40	1
Manganese	ND		0.0030		mg/L		05/28/14 09:00	05/28/14 22:40	1
Potassium	ND		0.50		mg/L		05/28/14 09:00	05/28/14 22:40	1
Sodium	**7.2**		1.0		mg/L		05/28/14 09:00	05/28/14 22:40	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			06/10/14 13:54	1
Calcium hardness as calcium carbonate	**98.3**		0.50		mg/L			06/10/14 13:54	1
Magnesium hardness as calcium carbonate	**37.2**		0.50		mg/L			06/10/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/28/14 05:34	1
Alkalinity, Total	**139**		50.0		mg/L			05/30/14 15:44	5
Ammonia	ND		0.020		mg/L			05/28/14 18:19	1
Total Kjeldahl Nitrogen	ND		0.20		mg/L		05/29/14 12:18	05/29/14 17:11	1
Nitrate as N	**0.075**		0.050		mg/L			05/23/14 09:40	1
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 11:02	05/29/14 10:20	1
Sulfate	**37.8**		5.0		mg/L			05/30/14 14:16	1
Total Dissolved Solids	**187**		10.0		mg/L			05/27/14 22:01	1
Chloride	**10.3**		1.0		mg/L			05/30/14 14:37	1
Biochemical Oxygen Demand	ND		2.0		mg/L			05/23/14 05:14	1
Total Organic Carbon	ND		1.0		mg/L			05/29/14 03:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.63**				SU			05/21/14 12:00	1
Field Conductivity	**350**				umhos/cm			05/21/14 12:00	1
Field Temperature	**11.86**				Degrees C			05/21/14 12:00	1
Field Turbidity	**0.28**				NTU			05/21/14 12:00	1
Field EH/ORP	**108.4**				millivolts			05/21/14 12:00	1
Oxygen, Dissolved	**2.88**				mg/L			05/21/14 12:00	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-184291/1-A
Matrix: Water
Analysis Batch: 184570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/28/14 09:00	05/28/14 21:29	1
Calcium	ND		0.50		mg/L		05/28/14 09:00	05/28/14 21:29	1
Iron	ND		0.050		mg/L		05/28/14 09:00	05/28/14 21:29	1
Lead	ND		0.010		mg/L		05/28/14 09:00	05/28/14 21:29	1
Magnesium	ND		0.20		mg/L		05/28/14 09:00	05/28/14 21:29	1
Manganese	ND		0.0030		mg/L		05/28/14 09:00	05/28/14 21:29	1
Potassium	ND		0.50		mg/L		05/28/14 09:00	05/28/14 21:29	1
Sodium	ND		1.0		mg/L		05/28/14 09:00	05/28/14 21:29	1

Lab Sample ID: LCS 480-184291/2-A
Matrix: Water
Analysis Batch: 184570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.200	0.191		mg/L		95	80 - 120
Calcium	10.0	9.31		mg/L		93	80 - 120
Iron	10.0	9.25		mg/L		93	80 - 120
Lead	0.200	0.185		mg/L		93	80 - 120
Magnesium	10.0	9.71		mg/L		97	80 - 120
Manganese	0.200	0.192		mg/L		96	80 - 120
Potassium	10.0	9.19		mg/L		92	80 - 120
Sodium	10.0	9.31		mg/L		93	80 - 120

Lab Sample ID: 480-60429-1 MS
Matrix: Water
Analysis Batch: 184570

Client Sample ID: CD-1
Prep Type: Total/NA
Prep Batch: 184291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	ND		0.200	0.191		mg/L		96	75 - 125
Calcium	65.6		10.0	72.35	4	mg/L		67	75 - 125
Iron	20.0		10.0	27.95		mg/L		79	75 - 125
Lead	0.011		0.200	0.200		mg/L		95	75 - 125
Magnesium	14.2		10.0	23.35		mg/L		92	75 - 125
Manganese	5.5		0.200	5.27	4	mg/L		-88	75 - 125
Potassium	4.3		10.0	14.42		mg/L		101	75 - 125
Sodium	4.0		10.0	13.60		mg/L		96	75 - 125

Lab Sample ID: 480-60429-1 MSD
Matrix: Water
Analysis Batch: 184570

Client Sample ID: CD-1
Prep Type: Total/NA
Prep Batch: 184291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		0.200	0.192		mg/L		96	75 - 125	0	20
Calcium	65.6		10.0	75.82	4	mg/L		102	75 - 125	5	20
Iron	20.0		10.0	28.71		mg/L		87	75 - 125	3	20
Lead	0.011		0.200	0.199		mg/L		94	75 - 125	1	20
Magnesium	14.2		10.0	23.94		mg/L		97	75 - 125	2	20
Manganese	5.5		0.200	5.48	4	mg/L		14	75 - 125	4	20
Potassium	4.3		10.0	14.48		mg/L		102	75 - 125	0	20

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

Lab Sample ID: 480-60429-1 MSD — **Client Sample ID: CD-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184570 — **Prep Batch: 184291**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sodium	4.0		10.0	13.59		mg/L		96	75 - 125	0	20

Lab Sample ID: MB 480-184121/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 184770 — **Prep Batch: 184441**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		05/29/14 09:00	05/29/14 17:57	1
Calcium	ND		0.50		mg/L		05/29/14 09:00	05/29/14 17:57	1
Iron	ND		0.050		mg/L		05/29/14 09:00	05/29/14 17:57	1
Lead	ND		0.010		mg/L		05/29/14 09:00	05/29/14 17:57	1
Magnesium	ND		0.20		mg/L		05/29/14 09:00	05/29/14 17:57	1
Manganese	ND		0.0030		mg/L		05/29/14 09:00	05/29/14 17:57	1
Potassium	ND		0.50		mg/L		05/29/14 09:00	05/29/14 17:57	1
Sodium	ND		1.0		mg/L		05/29/14 09:00	05/29/14 17:57	1

Lab Sample ID: LCS 480-184121/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 184770 — **Prep Batch: 184441**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.200	0.193		mg/L		96	80 - 120
Calcium	10.0	9.22		mg/L		92	80 - 120
Iron	10.0	9.50		mg/L		95	80 - 120
Lead	0.200	0.184		mg/L		92	80 - 120
Magnesium	10.0	9.72		mg/L		97	80 - 120
Manganese	0.200	0.188		mg/L		94	80 - 120
Potassium	10.0	9.52		mg/L		95	80 - 120
Sodium	10.0	9.54		mg/L		95	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-184174/52 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184174

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			05/27/14 23:19	1

Lab Sample ID: LCS 480-184174/51 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184174

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	2.00	1.98		mg/L		99	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-60429-4 MS
Matrix: Water
Analysis Batch: 184174

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		2.50	2.27		mg/L		91	90 - 110

Lab Sample ID: 480-60429-4 MSD
Matrix: Water
Analysis Batch: 184174

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		2.50	2.27		mg/L		91	90 - 110	0	20

Lab Sample ID: MB 480-184176/76
Matrix: Water
Analysis Batch: 184176

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			05/28/14 03:23	1

Lab Sample ID: LCS 480-184176/75
Matrix: Water
Analysis Batch: 184176

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	2.00	2.00		mg/L		100	90 - 110

Lab Sample ID: 480-60429-11 MS
Matrix: Water
Analysis Batch: 184176

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
Bromide	ND		2.50	2.46		mg/L		98	90 - 110

Method: 310.2 - Alkalinity

Lab Sample ID: MB 480-184953/42
Matrix: Water
Analysis Batch: 184953

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			05/30/14 14:39	1

Lab Sample ID: LCS 480-184953/41
Matrix: Water
Analysis Batch: 184953

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	53.62		mg/L		107	90 - 110

Method: 310.2 - Alkalinity (Continued)

Lab Sample ID: MB 480-185043/7
Matrix: Water
Analysis Batch: 185043

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			05/31/14 08:22	1

Lab Sample ID: LCS 480-185043/6
Matrix: Water
Analysis Batch: 185043

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	51.07		mg/L		102	90 - 110

Lab Sample ID: 480-60429-10 MS
Matrix: Water
Analysis Batch: 185043

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	139		20.0	152.3	4	mg/L		66	42 - 116

Lab Sample ID: 480-60429-10 MSD
Matrix: Water
Analysis Batch: 185043

Client Sample ID: MW-5A
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	139		20.0	152.8	4	mg/L		69	42 - 116	0	20

Lab Sample ID: MB 480-185480/117
Matrix: Water
Analysis Batch: 185480

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			06/03/14 15:24	1

Lab Sample ID: MB 480-185480/35
Matrix: Water
Analysis Batch: 185480

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			06/03/14 09:43	1

Lab Sample ID: LCS 480-185480/116
Matrix: Water
Analysis Batch: 185480

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	53.27		mg/L		107	90 - 110

Lab Sample ID: LCS 480-185480/34
Matrix: Water
Analysis Batch: 185480

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	53.39		mg/L		107	90 - 110

Lab Sample ID: 480-60429-1 MS
Matrix: Water
Analysis Batch: 185480

Client Sample ID: CD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	79.7		20.0	92.62		mg/L		65	42 - 116

Lab Sample ID: 480-60429-1 MSD
Matrix: Water
Analysis Batch: 185480

Client Sample ID: CD-1
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	79.7		20.0	87.39	F1	mg/L		39	42 - 116	6	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-184467/108
Matrix: Water
Analysis Batch: 184467

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			05/28/14 18:07	1

Lab Sample ID: MB 480-184467/36
Matrix: Water
Analysis Batch: 184467

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			05/28/14 17:04	1

Lab Sample ID: MB 480-184467/84
Matrix: Water
Analysis Batch: 184467

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			05/28/14 17:46	1

Lab Sample ID: LCS 480-184467/109
Matrix: Water
Analysis Batch: 184467

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	1.00		mg/L		100	90 - 110

Lab Sample ID: LCS 480-184467/37
Matrix: Water
Analysis Batch: 184467

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	1.00		mg/L		100	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 480-184467/85
Matrix: Water
Analysis Batch: 184467

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	1.00		mg/L		100	90 - 110

Lab Sample ID: 480-60429-12 MS
Matrix: Water
Analysis Batch: 184467

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
Ammonia	ND		0.200	0.201		mg/L		101	90 - 110

Lab Sample ID: MB 480-184497/123
Matrix: Water
Analysis Batch: 184497

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			05/28/14 21:57	1

Lab Sample ID: MB 480-184497/171
Matrix: Water
Analysis Batch: 184497

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			05/28/14 22:40	1

Lab Sample ID: MB 480-184497/195
Matrix: Water
Analysis Batch: 184497

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			05/28/14 23:02	1

Lab Sample ID: MB 480-184497/243
Matrix: Water
Analysis Batch: 184497

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			05/28/14 23:46	1

Lab Sample ID: LCS 480-184497/124
Matrix: Water
Analysis Batch: 184497

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	1.00		mg/L		100	90 - 110

Lab Sample ID: LCS 480-184497/172
Matrix: Water
Analysis Batch: 184497

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	1.00		mg/L		100	90 - 110

Lab Sample ID: LCS 480-184497/196
Matrix: Water
Analysis Batch: 184497

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	1.01		mg/L		101	90 - 110		

Lab Sample ID: LCS 480-184497/244
Matrix: Water
Analysis Batch: 184497

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	1.00		mg/L		100	90 - 110		

Lab Sample ID: 480-60429-5 MS
Matrix: Water
Analysis Batch: 184497

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		
Ammonia	5.2		1.00	6.55	4	mg/L		135	90 - 110		

Lab Sample ID: 480-60429-5 DU
Matrix: Water
Analysis Batch: 184497

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia	5.2			5.30		mg/L				2	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-184636/1-A
Matrix: Water
Analysis Batch: 184713

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184636

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20		mg/L		05/29/14 12:13	05/29/14 16:19	1

Lab Sample ID: LCS 480-184636/2-A
Matrix: Water
Analysis Batch: 184713

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184636

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

Lab Sample ID: 480-60429-2 MS
Matrix: Water
Analysis Batch: 184713

Client Sample ID: CD-1RA
Prep Type: Total/NA
Prep Batch: 184636

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Kjeldahl Nitrogen	2.4		1.00	2.92	F1	mg/L		49	90 - 110		

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: MB 480-184637/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184713 — **Prep Batch: 184637**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20		mg/L		05/29/14 12:18	05/29/14 16:19	1

Lab Sample ID: LCS 480-184637/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184713 — **Prep Batch: 184637**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.45		mg/L		98	90 - 110

Lab Sample ID: 480-60429-4 MS — **Client Sample ID: MW-1B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184713 — **Prep Batch: 184637**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	ND		1.00	1.03		mg/L		103	90 - 110

Lab Sample ID: 480-60429-4 DU — **Client Sample ID: MW-1B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184713 — **Prep Batch: 184637**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Kjeldahl Nitrogen	ND		ND		mg/L		NC	20

Method: 410.4 - COD

Lab Sample ID: MB 480-184252/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1

Lab Sample ID: MB 480-184252/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1

Lab Sample ID: MB 480-184252/51 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			05/27/14 20:04	1

Method: 410.4 - COD (Continued)

Lab Sample ID: MB 480-184252/75
Matrix: Water
Analysis Batch: 184252

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			05/27/14 20:04	1

Lab Sample ID: LCS 480-184252/28
Matrix: Water
Analysis Batch: 184252

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	27.07		mg/L		108	90 - 110

Lab Sample ID: LCS 480-184252/4
Matrix: Water
Analysis Batch: 184252

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	27.39		mg/L		110	90 - 110

Lab Sample ID: LCS 480-184252/52
Matrix: Water
Analysis Batch: 184252

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	25.81		mg/L		103	90 - 110

Lab Sample ID: LCS 480-184252/76
Matrix: Water
Analysis Batch: 184252

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	26.12		mg/L		104	90 - 110

Lab Sample ID: 480-60429-3 MS
Matrix: Water
Analysis Batch: 184252

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
Chemical Oxygen Demand	ND		50.0	49.47		mg/L		99	75 - 125

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-184165/1-A
Matrix: Water
Analysis Batch: 184650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 08:58	05/29/14 09:35	1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 480-184165/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184650 — **Prep Batch: 184165**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.103		mg/L		103	90 - 110

Lab Sample ID: 480-60429-1 MS — **Client Sample ID: CD-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184650 — **Prep Batch: 184165**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	ND		0.100	0.103		mg/L		103	90 - 110

Lab Sample ID: 480-60429-10 MS — **Client Sample ID: MW-5A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184650 — **Prep Batch: 184165**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	ND		0.100	0.108		mg/L		108	90 - 110

Lab Sample ID: MB 480-184166/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184650 — **Prep Batch: 184166**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010		mg/L		05/27/14 11:02	05/29/14 09:35	1

Lab Sample ID: LCS 480-184166/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184650 — **Prep Batch: 184166**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.101		mg/L		101	90 - 110

Lab Sample ID: 480-60429-14 MS — **Client Sample ID: Scale House**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184650 — **Prep Batch: 184166**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	ND		0.100	0.107		mg/L		107	90 - 110

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 480-184951/36 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 184951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0		mg/L			05/30/14 11:39	1

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: MB 480-184951/85
Matrix: Water
Analysis Batch: 184951

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			05/30/14 14:11	1

Lab Sample ID: LCS 480-184951/35
Matrix: Water
Analysis Batch: 184951

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	31.54		mg/L		105	90 - 110

Lab Sample ID: LCS 480-184951/84
Matrix: Water
Analysis Batch: 184951

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	31.52		mg/L		105	90 - 110

Lab Sample ID: MB 480-185045/21
Matrix: Water
Analysis Batch: 185045

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			05/31/14 09:41	1

Lab Sample ID: MB 480-185045/7
Matrix: Water
Analysis Batch: 185045

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			05/31/14 08:23	1

Lab Sample ID: LCS 480-185045/20
Matrix: Water
Analysis Batch: 185045

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	32.21		mg/L		107	90 - 110

Lab Sample ID: LCS 480-185045/6
Matrix: Water
Analysis Batch: 185045

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	32.71		mg/L		109	90 - 110

Lab Sample ID: 480-60429-10 MS
Matrix: Water
Analysis Batch: 185045

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	17.7		20.0	38.43		mg/L		103	60 - 128

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

TestAmerica Job ID: 480-60429-1

Lab Sample ID: 480-60429-10 MSD
Matrix: Water
Analysis Batch: 185045

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	17.7		20.0	38.47		mg/L		104	60 - 128	0	20

Lab Sample ID: MB 480-185413/12
Matrix: Water
Analysis Batch: 185413

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			06/03/14 09:30	1

Lab Sample ID: LCS 480-185413/11
Matrix: Water
Analysis Batch: 185413

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	28.87		mg/L		96	90 - 110

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

Lab Sample ID: MB 480-184225/1
Matrix: Water
Analysis Batch: 184225

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			05/27/14 19:18	1

Lab Sample ID: LCS 480-184225/2
Matrix: Water
Analysis Batch: 184225

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	503	470.0		mg/L		93	85 - 115

Lab Sample ID: MB 480-184247/1
Matrix: Water
Analysis Batch: 184247

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			05/27/14 21:40	1

Lab Sample ID: LCS 480-184247/2
Matrix: Water
Analysis Batch: 184247

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	503	470.0		mg/L		93	85 - 115

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 480-184952/93
Matrix: Water
Analysis Batch: 184952

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			05/30/14 14:25	1

Lab Sample ID: LCS 480-184952/92
Matrix: Water
Analysis Batch: 184952

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	27.02		mg/L		108	90 - 110

Lab Sample ID: MB 480-185044/7
Matrix: Water
Analysis Batch: 185044

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			05/31/14 08:25	1

Lab Sample ID: LCS 480-185044/6
Matrix: Water
Analysis Batch: 185044

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	26.80		mg/L		107	90 - 110

Lab Sample ID: 480-60429-10 MS
Matrix: Water
Analysis Batch: 185044

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.0		20.0	26.46		mg/L		102	74 - 131

Lab Sample ID: 480-60429-10 MSD
Matrix: Water
Analysis Batch: 185044

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.0		20.0	23.01		mg/L		85	74 - 131	14	20

Lab Sample ID: 480-60429-11 MS
Matrix: Water
Analysis Batch: 185044

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
Chloride	6.1		20.0	28.19		mg/L		110	74 - 131

Lab Sample ID: 480-60429-11 MSD
Matrix: Water
Analysis Batch: 185044

Client Sample ID: MW-6A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.1		20.0	27.48		mg/L		107	74 - 131	3	20

Lab Sample ID: MB 480-185479/29
Matrix: Water
Analysis Batch: 185479

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			06/03/14 09:41	1

Lab Sample ID: LCS 480-185479/28
Matrix: Water
Analysis Batch: 185479

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	24.78		mg/L		99	90 - 110

Lab Sample ID: 480-60429-1 MS
Matrix: Water
Analysis Batch: 185479

Client Sample ID: CD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.2		20.0	23.72		mg/L		108	74 - 131

Lab Sample ID: 480-60429-1 MSD
Matrix: Water
Analysis Batch: 185479

Client Sample ID: CD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.2		20.0	23.58		mg/L		107	74 - 131	1	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-183864/1
Matrix: Water
Analysis Batch: 183864

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			05/23/14 05:14	1

Lab Sample ID: LCS 480-183864/2
Matrix: Water
Analysis Batch: 183864

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	194.2		mg/L		98	85 - 115

Lab Sample ID: USB 480-183900/1
Matrix: Water
Analysis Batch: 183900

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			05/23/14 14:02	1

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

Lab Sample ID: LCS 480-183900/2
Matrix: Water
Analysis Batch: 183900

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	199.5		mg/L		101	85 - 115

Method: SM 5310D - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-184911/24
Matrix: Water
Analysis Batch: 184911

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			05/28/14 18:04	1

Lab Sample ID: MB 480-184911/48
Matrix: Water
Analysis Batch: 184911

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			05/29/14 01:38	1

Lab Sample ID: LCS 480-184911/25
Matrix: Water
Analysis Batch: 184911

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	59.60		mg/L		99	90 - 110

Lab Sample ID: LCS 480-184911/49
Matrix: Water
Analysis Batch: 184911

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	59.35		mg/L		99	90 - 110

Lab Sample ID: 480-60429-11 MS
Matrix: Water
Analysis Batch: 184911

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	20.08		mg/L		89	54 - 131

Lab Sample ID: 480-60429-10 DU
Matrix: Water
Analysis Batch: 184911

Client Sample ID: MW-5A
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

Metals

Filtration Batch: 184121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Dissolved	Water	FILTRATION	
480-60429-2	CD-1RA	Dissolved	Water	FILTRATION	
480-60429-3	MW-1A	Dissolved	Water	FILTRATION	
480-60429-5	MW-2A	Dissolved	Water	FILTRATION	
480-60429-7	MW-3A	Dissolved	Water	FILTRATION	
480-60429-8	MW-3B	Dissolved	Water	FILTRATION	
480-60429-11	MW-6A	Dissolved	Water	FILTRATION	
480-60429-13	MW-7A	Dissolved	Water	FILTRATION	
LCS 480-184121/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 480-184121/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 184291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	3005A	
480-60429-1 MS	CD-1	Total/NA	Water	3005A	
480-60429-1 MSD	CD-1	Total/NA	Water	3005A	
480-60429-2	CD-1RA	Total/NA	Water	3005A	
480-60429-3	MW-1A	Total/NA	Water	3005A	
480-60429-4	MW-1B	Total/NA	Water	3005A	
480-60429-5	MW-2A	Total/NA	Water	3005A	
480-60429-6	MW-2B	Total/NA	Water	3005A	
480-60429-7	MW-3A	Total/NA	Water	3005A	
480-60429-8	MW-3B	Total/NA	Water	3005A	
480-60429-9	MW-4A	Total/NA	Water	3005A	
480-60429-10	MW-5A	Total/NA	Water	3005A	
480-60429-11	MW-6A	Total/NA	Water	3005A	
480-60429-12	MW-6B	Total/NA	Water	3005A	
480-60429-13	MW-7A	Total/NA	Water	3005A	
480-60429-14	Scale House	Total/NA	Water	3005A	
LCS 480-184291/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-184291/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 184441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Dissolved	Water	3005A	184121
480-60429-2	CD-1RA	Dissolved	Water	3005A	184121
480-60429-3	MW-1A	Dissolved	Water	3005A	184121
480-60429-5	MW-2A	Dissolved	Water	3005A	184121
480-60429-7	MW-3A	Dissolved	Water	3005A	184121
480-60429-8	MW-3B	Dissolved	Water	3005A	184121
480-60429-11	MW-6A	Dissolved	Water	3005A	184121
480-60429-13	MW-7A	Dissolved	Water	3005A	184121
LCS 480-184121/2-B	Lab Control Sample	Dissolved	Water	3005A	184121
MB 480-184121/1-B	Method Blank	Dissolved	Water	3005A	184121

Analysis Batch: 184570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	6010C	184291
480-60429-1 MS	CD-1	Total/NA	Water	6010C	184291
480-60429-1 MSD	CD-1	Total/NA	Water	6010C	184291
480-60429-2	CD-1RA	Total/NA	Water	6010C	184291

Metals (Continued)

Analysis Batch: 184570 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-3	MW-1A	Total/NA	Water	6010C	184291
480-60429-4	MW-1B	Total/NA	Water	6010C	184291
480-60429-5	MW-2A	Total/NA	Water	6010C	184291
480-60429-6	MW-2B	Total/NA	Water	6010C	184291
480-60429-7	MW-3A	Total/NA	Water	6010C	184291
480-60429-8	MW-3B	Total/NA	Water	6010C	184291
480-60429-9	MW-4A	Total/NA	Water	6010C	184291
480-60429-10	MW-5A	Total/NA	Water	6010C	184291
480-60429-11	MW-6A	Total/NA	Water	6010C	184291
480-60429-12	MW-6B	Total/NA	Water	6010C	184291
480-60429-13	MW-7A	Total/NA	Water	6010C	184291
480-60429-14	Scale House	Total/NA	Water	6010C	184291
LCS 480-184291/2-A	Lab Control Sample	Total/NA	Water	6010C	184291
MB 480-184291/1-A	Method Blank	Total/NA	Water	6010C	184291

Analysis Batch: 184770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Dissolved	Water	6010C	184441
480-60429-2	CD-1RA	Dissolved	Water	6010C	184441
480-60429-3	MW-1A	Dissolved	Water	6010C	184441
480-60429-5	MW-2A	Dissolved	Water	6010C	184441
480-60429-7	MW-3A	Dissolved	Water	6010C	184441
480-60429-8	MW-3B	Dissolved	Water	6010C	184441
480-60429-11	MW-6A	Dissolved	Water	6010C	184441
480-60429-13	MW-7A	Dissolved	Water	6010C	184441
LCS 480-184121/2-B	Lab Control Sample	Dissolved	Water	6010C	184441
MB 480-184121/1-B	Method Blank	Dissolved	Water	6010C	184441

Analysis Batch: 186840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	SM 2340B	
480-60429-2	CD-1RA	Total/NA	Water	SM 2340B	
480-60429-3	MW-1A	Total/NA	Water	SM 2340B	
480-60429-4	MW-1B	Total/NA	Water	SM 2340B	
480-60429-5	MW-2A	Total/NA	Water	SM 2340B	
480-60429-6	MW-2B	Total/NA	Water	SM 2340B	
480-60429-7	MW-3A	Total/NA	Water	SM 2340B	
480-60429-8	MW-3B	Total/NA	Water	SM 2340B	
480-60429-9	MW-4A	Total/NA	Water	SM 2340B	
480-60429-10	MW-5A	Total/NA	Water	SM 2340B	
480-60429-11	MW-6A	Total/NA	Water	SM 2340B	
480-60429-12	MW-6B	Total/NA	Water	SM 2340B	
480-60429-13	MW-7A	Total/NA	Water	SM 2340B	
480-60429-14	Scale House	Total/NA	Water	SM 2340B	

General Chemistry

Analysis Batch: 183807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 183807 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-2	CD-1RA	Total/NA	Water	353.2	
480-60429-3	MW-1A	Total/NA	Water	353.2	
480-60429-4	MW-1B	Total/NA	Water	353.2	
480-60429-5	MW-2A	Total/NA	Water	353.2	
480-60429-6	MW-2B	Total/NA	Water	353.2	
480-60429-7	MW-3A	Total/NA	Water	353.2	
480-60429-8	MW-3B	Total/NA	Water	353.2	
480-60429-9	MW-4A	Total/NA	Water	353.2	
480-60429-10	MW-5A	Total/NA	Water	353.2	
480-60429-11	MW-6A	Total/NA	Water	353.2	
480-60429-12	MW-6B	Total/NA	Water	353.2	
480-60429-13	MW-7A	Total/NA	Water	353.2	
480-60429-14	Scale House	Total/NA	Water	353.2	

Analysis Batch: 183864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	SM 5210B	
480-60429-2	CD-1RA	Total/NA	Water	SM 5210B	
480-60429-3	MW-1A	Total/NA	Water	SM 5210B	
480-60429-4	MW-1B	Total/NA	Water	SM 5210B	
480-60429-5	MW-2A	Total/NA	Water	SM 5210B	
480-60429-6	MW-2B	Total/NA	Water	SM 5210B	
480-60429-9	MW-4A	Total/NA	Water	SM 5210B	
480-60429-10	MW-5A	Total/NA	Water	SM 5210B	
480-60429-11	MW-6A	Total/NA	Water	SM 5210B	
480-60429-12	MW-6B	Total/NA	Water	SM 5210B	
480-60429-13	MW-7A	Total/NA	Water	SM 5210B	
480-60429-14	Scale House	Total/NA	Water	SM 5210B	
LCS 480-183864/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-183864/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 183900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-7	MW-3A	Total/NA	Water	SM 5210B	
480-60429-8	MW-3B	Total/NA	Water	SM 5210B	
LCS 480-183900/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-183900/1	Method Blank	Total/NA	Water	SM 5210B	

Prep Batch: 184165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	Distill/Phenol	
480-60429-1 MS	CD-1	Total/NA	Water	Distill/Phenol	
480-60429-2	CD-1RA	Total/NA	Water	Distill/Phenol	
480-60429-3	MW-1A	Total/NA	Water	Distill/Phenol	
480-60429-4	MW-1B	Total/NA	Water	Distill/Phenol	
480-60429-5	MW-2A	Total/NA	Water	Distill/Phenol	
480-60429-6	MW-2B	Total/NA	Water	Distill/Phenol	
480-60429-7	MW-3A	Total/NA	Water	Distill/Phenol	
480-60429-8	MW-3B	Total/NA	Water	Distill/Phenol	
480-60429-9	MW-4A	Total/NA	Water	Distill/Phenol	
480-60429-10	MW-5A	Total/NA	Water	Distill/Phenol	

General Chemistry (Continued)

Prep Batch: 184165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-10 MS	MW-5A	Total/NA	Water	Distill/Phenol	
LCS 480-184165/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-184165/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Prep Batch: 184166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-11	MW-6A	Total/NA	Water	Distill/Phenol	
480-60429-12	MW-6B	Total/NA	Water	Distill/Phenol	
480-60429-13	MW-7A	Total/NA	Water	Distill/Phenol	
480-60429-14	Scale House	Total/NA	Water	Distill/Phenol	
480-60429-14 MS	Scale House	Total/NA	Water	Distill/Phenol	
LCS 480-184166/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-184166/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 184174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	300.0	
480-60429-2	CD-1RA	Total/NA	Water	300.0	
480-60429-3	MW-1A	Total/NA	Water	300.0	
480-60429-4	MW-1B	Total/NA	Water	300.0	
480-60429-4 MS	MW-1B	Total/NA	Water	300.0	
480-60429-4 MSD	MW-1B	Total/NA	Water	300.0	
LCS 480-184174/51	Lab Control Sample	Total/NA	Water	300.0	
MB 480-184174/52	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 184176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-5	MW-2A	Total/NA	Water	300.0	
480-60429-6	MW-2B	Total/NA	Water	300.0	
480-60429-7	MW-3A	Total/NA	Water	300.0	
480-60429-8	MW-3B	Total/NA	Water	300.0	
480-60429-9	MW-4A	Total/NA	Water	300.0	
480-60429-10	MW-5A	Total/NA	Water	300.0	
480-60429-11	MW-6A	Total/NA	Water	300.0	
480-60429-11 MS	MW-6A	Total/NA	Water	300.0	
480-60429-12	MW-6B	Total/NA	Water	300.0	
480-60429-13	MW-7A	Total/NA	Water	300.0	
480-60429-14	Scale House	Total/NA	Water	300.0	
LCS 480-184176/75	Lab Control Sample	Total/NA	Water	300.0	
MB 480-184176/76	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 184225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-5	MW-2A	Total/NA	Water	SM 2540C	
480-60429-6	MW-2B	Total/NA	Water	SM 2540C	
480-60429-7	MW-3A	Total/NA	Water	SM 2540C	
480-60429-8	MW-3B	Total/NA	Water	SM 2540C	
LCS 480-184225/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-184225/1	Method Blank	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 184247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	SM 2540C	
480-60429-2	CD-1RA	Total/NA	Water	SM 2540C	
480-60429-3	MW-1A	Total/NA	Water	SM 2540C	
480-60429-4	MW-1B	Total/NA	Water	SM 2540C	
480-60429-9	MW-4A	Total/NA	Water	SM 2540C	
480-60429-10	MW-5A	Total/NA	Water	SM 2540C	
480-60429-11	MW-6A	Total/NA	Water	SM 2540C	
480-60429-12	MW-6B	Total/NA	Water	SM 2540C	
480-60429-13	MW-7A	Total/NA	Water	SM 2540C	
480-60429-14	Scale House	Total/NA	Water	SM 2540C	
LCS 480-184247/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-184247/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 184252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	410.4	
480-60429-2	CD-1RA	Total/NA	Water	410.4	
480-60429-3	MW-1A	Total/NA	Water	410.4	
480-60429-3 MS	MW-1A	Total/NA	Water	410.4	
480-60429-4	MW-1B	Total/NA	Water	410.4	
480-60429-5	MW-2A	Total/NA	Water	410.4	
480-60429-6	MW-2B	Total/NA	Water	410.4	
480-60429-7	MW-3A	Total/NA	Water	410.4	
480-60429-8	MW-3B	Total/NA	Water	410.4	
480-60429-9	MW-4A	Total/NA	Water	410.4	
480-60429-10	MW-5A	Total/NA	Water	410.4	
480-60429-11	MW-6A	Total/NA	Water	410.4	
480-60429-12	MW-6B	Total/NA	Water	410.4	
480-60429-13	MW-7A	Total/NA	Water	410.4	
480-60429-14	Scale House	Total/NA	Water	410.4	
LCS 480-184252/28	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-184252/4	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-184252/52	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-184252/76	Lab Control Sample	Total/NA	Water	410.4	
MB 480-184252/27	Method Blank	Total/NA	Water	410.4	
MB 480-184252/3	Method Blank	Total/NA	Water	410.4	
MB 480-184252/51	Method Blank	Total/NA	Water	410.4	
MB 480-184252/75	Method Blank	Total/NA	Water	410.4	

Analysis Batch: 184467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	350.1	
480-60429-2	CD-1RA	Total/NA	Water	350.1	
480-60429-3	MW-1A	Total/NA	Water	350.1	
480-60429-4	MW-1B	Total/NA	Water	350.1	
480-60429-6	MW-2B	Total/NA	Water	350.1	
480-60429-7	MW-3A	Total/NA	Water	350.1	
480-60429-8	MW-3B	Total/NA	Water	350.1	
480-60429-9	MW-4A	Total/NA	Water	350.1	
480-60429-10	MW-5A	Total/NA	Water	350.1	
480-60429-11	MW-6A	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 184467 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-12	MW-6B	Total/NA	Water	350.1	
480-60429-12 MS	MW-6B	Total/NA	Water	350.1	
480-60429-13	MW-7A	Total/NA	Water	350.1	
480-60429-14	Scale House	Total/NA	Water	350.1	
LCS 480-184467/109	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-184467/37	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-184467/85	Lab Control Sample	Total/NA	Water	350.1	
MB 480-184467/108	Method Blank	Total/NA	Water	350.1	
MB 480-184467/36	Method Blank	Total/NA	Water	350.1	
MB 480-184467/84	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 184497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-5	MW-2A	Total/NA	Water	350.1	
480-60429-5 DU	MW-2A	Total/NA	Water	350.1	
480-60429-5 MS	MW-2A	Total/NA	Water	350.1	
LCS 480-184497/124	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-184497/172	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-184497/196	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-184497/244	Lab Control Sample	Total/NA	Water	350.1	
MB 480-184497/123	Method Blank	Total/NA	Water	350.1	
MB 480-184497/171	Method Blank	Total/NA	Water	350.1	
MB 480-184497/195	Method Blank	Total/NA	Water	350.1	
MB 480-184497/243	Method Blank	Total/NA	Water	350.1	

Prep Batch: 184636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	351.2	
480-60429-2	CD-1RA	Total/NA	Water	351.2	
480-60429-2 MS	CD-1RA	Total/NA	Water	351.2	
LCS 480-184636/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-184636/1-A	Method Blank	Total/NA	Water	351.2	

Prep Batch: 184637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-3	MW-1A	Total/NA	Water	351.2	
480-60429-4	MW-1B	Total/NA	Water	351.2	
480-60429-4 DU	MW-1B	Total/NA	Water	351.2	
480-60429-4 MS	MW-1B	Total/NA	Water	351.2	
480-60429-5	MW-2A	Total/NA	Water	351.2	
480-60429-6	MW-2B	Total/NA	Water	351.2	
480-60429-7	MW-3A	Total/NA	Water	351.2	
480-60429-8	MW-3B	Total/NA	Water	351.2	
480-60429-9	MW-4A	Total/NA	Water	351.2	
480-60429-10	MW-5A	Total/NA	Water	351.2	
480-60429-11	MW-6A	Total/NA	Water	351.2	
480-60429-12	MW-6B	Total/NA	Water	351.2	
480-60429-13	MW-7A	Total/NA	Water	351.2	
480-60429-14	Scale House	Total/NA	Water	351.2	
LCS 480-184637/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-184637/1-A	Method Blank	Total/NA	Water	351.2	

General Chemistry (Continued)

Analysis Batch: 184650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	420.4	184165
480-60429-1 MS	CD-1	Total/NA	Water	420.4	184165
480-60429-2	CD-1RA	Total/NA	Water	420.4	184165
480-60429-3	MW-1A	Total/NA	Water	420.4	184165
480-60429-4	MW-1B	Total/NA	Water	420.4	184165
480-60429-5	MW-2A	Total/NA	Water	420.4	184165
480-60429-6	MW-2B	Total/NA	Water	420.4	184165
480-60429-7	MW-3A	Total/NA	Water	420.4	184165
480-60429-8	MW-3B	Total/NA	Water	420.4	184165
480-60429-9	MW-4A	Total/NA	Water	420.4	184165
480-60429-10	MW-5A	Total/NA	Water	420.4	184165
480-60429-10 MS	MW-5A	Total/NA	Water	420.4	184165
480-60429-11	MW-6A	Total/NA	Water	420.4	184166
480-60429-12	MW-6B	Total/NA	Water	420.4	184166
480-60429-13	MW-7A	Total/NA	Water	420.4	184166
480-60429-14	Scale House	Total/NA	Water	420.4	184166
480-60429-14 MS	Scale House	Total/NA	Water	420.4	184166
LCS 480-184165/2-A	Lab Control Sample	Total/NA	Water	420.4	184165
LCS 480-184166/2-A	Lab Control Sample	Total/NA	Water	420.4	184166
MB 480-184165/1-A	Method Blank	Total/NA	Water	420.4	184165
MB 480-184166/1-A	Method Blank	Total/NA	Water	420.4	184166

Analysis Batch: 184713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	351.2	184636
480-60429-2	CD-1RA	Total/NA	Water	351.2	184636
480-60429-2 MS	CD-1RA	Total/NA	Water	351.2	184636
480-60429-3	MW-1A	Total/NA	Water	351.2	184637
480-60429-4	MW-1B	Total/NA	Water	351.2	184637
480-60429-4 DU	MW-1B	Total/NA	Water	351.2	184637
480-60429-4 MS	MW-1B	Total/NA	Water	351.2	184637
480-60429-5	MW-2A	Total/NA	Water	351.2	184637
480-60429-6	MW-2B	Total/NA	Water	351.2	184637
480-60429-7	MW-3A	Total/NA	Water	351.2	184637
480-60429-8	MW-3B	Total/NA	Water	351.2	184637
480-60429-9	MW-4A	Total/NA	Water	351.2	184637
480-60429-10	MW-5A	Total/NA	Water	351.2	184637
480-60429-11	MW-6A	Total/NA	Water	351.2	184637
480-60429-12	MW-6B	Total/NA	Water	351.2	184637
480-60429-13	MW-7A	Total/NA	Water	351.2	184637
480-60429-14	Scale House	Total/NA	Water	351.2	184637
LCS 480-184636/2-A	Lab Control Sample	Total/NA	Water	351.2	184636
LCS 480-184637/2-A	Lab Control Sample	Total/NA	Water	351.2	184637
MB 480-184636/1-A	Method Blank	Total/NA	Water	351.2	184636
MB 480-184637/1-A	Method Blank	Total/NA	Water	351.2	184637

Analysis Batch: 184911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	SM 5310D	
480-60429-2	CD-1RA	Total/NA	Water	SM 5310D	
480-60429-3	MW-1A	Total/NA	Water	SM 5310D	

General Chemistry (Continued)

Analysis Batch: 184911 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-4	MW-1B	Total/NA	Water	SM 5310D	
480-60429-5	MW-2A	Total/NA	Water	SM 5310D	
480-60429-6	MW-2B	Total/NA	Water	SM 5310D	
480-60429-7	MW-3A	Total/NA	Water	SM 5310D	
480-60429-8	MW-3B	Total/NA	Water	SM 5310D	
480-60429-9	MW-4A	Total/NA	Water	SM 5310D	
480-60429-10	MW-5A	Total/NA	Water	SM 5310D	
480-60429-10 DU	MW-5A	Total/NA	Water	SM 5310D	
480-60429-11	MW-6A	Total/NA	Water	SM 5310D	
480-60429-11 MS	MW-6A	Total/NA	Water	SM 5310D	
480-60429-12	MW-6B	Total/NA	Water	SM 5310D	
480-60429-13	MW-7A	Total/NA	Water	SM 5310D	
480-60429-14	Scale House	Total/NA	Water	SM 5310D	
LCS 480-184911/25	Lab Control Sample	Total/NA	Water	SM 5310D	
LCS 480-184911/49	Lab Control Sample	Total/NA	Water	SM 5310D	
MB 480-184911/24	Method Blank	Total/NA	Water	SM 5310D	
MB 480-184911/48	Method Blank	Total/NA	Water	SM 5310D	

Analysis Batch: 184951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-2	CD-1RA	Total/NA	Water	9038	
480-60429-3	MW-1A	Total/NA	Water	9038	
480-60429-4	MW-1B	Total/NA	Water	9038	
480-60429-6	MW-2B	Total/NA	Water	9038	
480-60429-8	MW-3B	Total/NA	Water	9038	
480-60429-12	MW-6B	Total/NA	Water	9038	
480-60429-14	Scale House	Total/NA	Water	9038	
LCS 480-184951/35	Lab Control Sample	Total/NA	Water	9038	
LCS 480-184951/84	Lab Control Sample	Total/NA	Water	9038	
MB 480-184951/36	Method Blank	Total/NA	Water	9038	
MB 480-184951/85	Method Blank	Total/NA	Water	9038	

Analysis Batch: 184952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-2	CD-1RA	Total/NA	Water	SM 4500 Cl- E	
480-60429-3	MW-1A	Total/NA	Water	SM 4500 Cl- E	
480-60429-4	MW-1B	Total/NA	Water	SM 4500 Cl- E	
480-60429-6	MW-2B	Total/NA	Water	SM 4500 Cl- E	
480-60429-8	MW-3B	Total/NA	Water	SM 4500 Cl- E	
480-60429-12	MW-6B	Total/NA	Water	SM 4500 Cl- E	
480-60429-14	Scale House	Total/NA	Water	SM 4500 Cl- E	
LCS 480-184952/92	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 480-184952/93	Method Blank	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 184953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-2	CD-1RA	Total/NA	Water	310.2	
480-60429-3	MW-1A	Total/NA	Water	310.2	
480-60429-4	MW-1B	Total/NA	Water	310.2	
480-60429-6	MW-2B	Total/NA	Water	310.2	
480-60429-8	MW-3B	Total/NA	Water	310.2	

General Chemistry (Continued)

Analysis Batch: 184953 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-12	MW-6B	Total/NA	Water	310.2	
480-60429-14	Scale House	Total/NA	Water	310.2	
LCS 480-184953/41	Lab Control Sample	Total/NA	Water	310.2	
MB 480-184953/42	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 185043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-5	MW-2A	Total/NA	Water	310.2	
480-60429-7	MW-3A	Total/NA	Water	310.2	
480-60429-9	MW-4A	Total/NA	Water	310.2	
480-60429-10	MW-5A	Total/NA	Water	310.2	
480-60429-10 MS	MW-5A	Total/NA	Water	310.2	
480-60429-10 MSD	MW-5A	Total/NA	Water	310.2	
480-60429-11	MW-6A	Total/NA	Water	310.2	
480-60429-13	MW-7A	Total/NA	Water	310.2	
LCS 480-185043/6	Lab Control Sample	Total/NA	Water	310.2	
MB 480-185043/7	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 185044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-5	MW-2A	Total/NA	Water	SM 4500 Cl- E	
480-60429-7	MW-3A	Total/NA	Water	SM 4500 Cl- E	
480-60429-9	MW-4A	Total/NA	Water	SM 4500 Cl- E	
480-60429-10	MW-5A	Total/NA	Water	SM 4500 Cl- E	
480-60429-10 MS	MW-5A	Total/NA	Water	SM 4500 Cl- E	
480-60429-10 MSD	MW-5A	Total/NA	Water	SM 4500 Cl- E	
480-60429-11	MW-6A	Total/NA	Water	SM 4500 Cl- E	
480-60429-11 MS	MW-6A	Total/NA	Water	SM 4500 Cl- E	
480-60429-11 MSD	MW-6A	Total/NA	Water	SM 4500 Cl- E	
480-60429-13	MW-7A	Total/NA	Water	SM 4500 Cl- E	
LCS 480-185044/6	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 480-185044/7	Method Blank	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 185045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-5	MW-2A	Total/NA	Water	9038	
480-60429-7	MW-3A	Total/NA	Water	9038	
480-60429-9	MW-4A	Total/NA	Water	9038	
480-60429-10	MW-5A	Total/NA	Water	9038	
480-60429-10 MS	MW-5A	Total/NA	Water	9038	
480-60429-10 MSD	MW-5A	Total/NA	Water	9038	
480-60429-11	MW-6A	Total/NA	Water	9038	
480-60429-13	MW-7A	Total/NA	Water	9038	
LCS 480-185045/20	Lab Control Sample	Total/NA	Water	9038	
LCS 480-185045/6	Lab Control Sample	Total/NA	Water	9038	
MB 480-185045/21	Method Blank	Total/NA	Water	9038	
MB 480-185045/7	Method Blank	Total/NA	Water	9038	

Analysis Batch: 185413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	9038	

General Chemistry (Continued)

Analysis Batch: 185413 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-185413/11	Lab Control Sample	Total/NA	Water	9038	
MB 480-185413/12	Method Blank	Total/NA	Water	9038	

Analysis Batch: 185479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	SM 4500 Cl- E	
480-60429-1 MS	CD-1	Total/NA	Water	SM 4500 Cl- E	
480-60429-1 MSD	CD-1	Total/NA	Water	SM 4500 Cl- E	
LCS 480-185479/28	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 480-185479/29	Method Blank	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 185480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	310.2	
480-60429-1 MS	CD-1	Total/NA	Water	310.2	
480-60429-1 MSD	CD-1	Total/NA	Water	310.2	
LCS 480-185480/116	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-185480/34	Lab Control Sample	Total/NA	Water	310.2	
MB 480-185480/117	Method Blank	Total/NA	Water	310.2	
MB 480-185480/35	Method Blank	Total/NA	Water	310.2	

Field Service / Mobile Lab

Analysis Batch: 186813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60429-1	CD-1	Total/NA	Water	Field Sampling	
480-60429-2	CD-1RA	Total/NA	Water	Field Sampling	
480-60429-3	MW-1A	Total/NA	Water	Field Sampling	
480-60429-4	MW-1B	Total/NA	Water	Field Sampling	
480-60429-5	MW-2A	Total/NA	Water	Field Sampling	
480-60429-6	MW-2B	Total/NA	Water	Field Sampling	
480-60429-7	MW-3A	Total/NA	Water	Field Sampling	
480-60429-8	MW-3B	Total/NA	Water	Field Sampling	
480-60429-9	MW-4A	Total/NA	Water	Field Sampling	
480-60429-10	MW-5A	Total/NA	Water	Field Sampling	
480-60429-11	MW-6A	Total/NA	Water	Field Sampling	
480-60429-12	MW-6B	Total/NA	Water	Field Sampling	
480-60429-13	MW-7A	Total/NA	Water	Field Sampling	
480-60429-14	Scale House	Total/NA	Water	Field Sampling	

Client Sample ID: CD-1

Lab Sample ID: 480-60429-1

Date Collected: 05/21/14 15:40

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			184121	05/27/14 13:00	EHD	TAL BUF
Dissolved	Prep	3005A			184441	05/29/14 09:00	EHD	TAL BUF
Dissolved	Analysis	6010C		1	184770	05/29/14 18:38	SS1	TAL BUF
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 21:35	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184174	05/28/14 01:51	KRC	TAL BUF
Total/NA	Analysis	310.2		1	185480	06/03/14 09:43	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:00	RS	TAL BUF
Total/NA	Prep	351.2			184636	05/29/14 12:13	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 16:55	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 09:24	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:38	NCH	TAL BUF
Total/NA	Analysis	9038		1	185413	06/03/14 09:44	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 21:52	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	185479	06/03/14 09:41	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 20:27	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 15:40	FLD	TAL BUF

Client Sample ID: CD-1RA

Lab Sample ID: 480-60429-2

Date Collected: 05/21/14 15:15

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			184121	05/27/14 13:00	EHD	TAL BUF
Dissolved	Prep	3005A			184441	05/29/14 09:00	EHD	TAL BUF
Dissolved	Analysis	6010C		1	184770	05/29/14 18:41	SS1	TAL BUF
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 21:49	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184174	05/28/14 02:02	KRC	TAL BUF
Total/NA	Analysis	310.2		5	184953	05/30/14 15:08	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:00	RS	TAL BUF
Total/NA	Prep	351.2			184636	05/29/14 12:13	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 16:55	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 08:33	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:38	NCH	TAL BUF

Client Sample ID: CD-1RA

Lab Sample ID: 480-60429-2

Date Collected: 05/21/14 15:15

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9038		1	184951	05/30/14 14:11	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 21:53	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	184952	05/30/14 14:37	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 20:44	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 15:15	FLD	TAL BUF

Client Sample ID: MW-1A

Lab Sample ID: 480-60429-3

Date Collected: 05/21/14 16:15

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			184121	05/27/14 13:00	EHD	TAL BUF
Dissolved	Prep	3005A			184441	05/29/14 09:00	EHD	TAL BUF
Dissolved	Analysis	6010C		1	184770	05/29/14 18:44	SS1	TAL BUF
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 21:52	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184174	05/28/14 02:12	KRC	TAL BUF
Total/NA	Analysis	310.2		5	184953	05/30/14 15:08	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:01	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 16:55	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 08:35	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:38	NCH	TAL BUF
Total/NA	Analysis	9038		1	184951	05/30/14 14:11	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 21:54	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	184952	05/30/14 14:37	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 21:01	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 16:15	FLD	TAL BUF

Client Sample ID: MW-1B

Lab Sample ID: 480-60429-4

Date Collected: 05/21/14 14:10

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:03	MTM2	TAL BUF

Client Sample ID: MW-1B

Lab Sample ID: 480-60429-4

Date Collected: 05/21/14 14:10

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184174	05/28/14 02:22	KRC	TAL BUF
Total/NA	Analysis	310.2		5	184953	05/30/14 15:08	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:02	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:04	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 09:25	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:38	NCH	TAL BUF
Total/NA	Analysis	9038		1	184951	05/30/14 14:11	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 21:55	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	184952	05/30/14 14:37	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 21:51	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 14:10	FLD	TAL BUF

Client Sample ID: MW-2A

Lab Sample ID: 480-60429-5

Date Collected: 05/21/14 17:15

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			184121	05/27/14 13:00	EHD	TAL BUF
Dissolved	Prep	3005A			184441	05/29/14 09:00	EHD	TAL BUF
Dissolved	Analysis	6010C		1	184770	05/29/14 18:47	SS1	TAL BUF
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:06	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 03:33	KRC	TAL BUF
Total/NA	Analysis	310.2		10	185043	05/31/14 08:45	NCH	TAL BUF
Total/NA	Analysis	350.1		5	184497	05/28/14 22:52	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		2	184713	05/29/14 17:46	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 09:26	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:39	NCH	TAL BUF
Total/NA	Analysis	9038		1	185045	05/31/14 08:23	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184225	05/27/14 19:38	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	185044	05/31/14 08:25	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF

Client Sample ID: MW-2A

Lab Sample ID: 480-60429-5

Date Collected: 05/21/14 17:15

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 22:07	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 17:15	FLD	TAL BUF

Client Sample ID: MW-2B

Lab Sample ID: 480-60429-6

Date Collected: 05/21/14 17:30

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:09	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 03:43	KRC	TAL BUF
Total/NA	Analysis	310.2		10	184953	05/30/14 14:59	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:09	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:04	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 09:27	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:39	NCH	TAL BUF
Total/NA	Analysis	9038		1	184951	05/30/14 14:16	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184225	05/27/14 19:39	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		2	184952	05/30/14 15:00	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 22:24	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 17:30	FLD	TAL BUF

Client Sample ID: MW-3A

Lab Sample ID: 480-60429-7

Date Collected: 05/21/14 18:00

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			184121	05/27/14 13:00	EHD	TAL BUF
Dissolved	Prep	3005A			184441	05/29/14 09:00	EHD	TAL BUF
Dissolved	Analysis	6010C		1	184770	05/29/14 18:49	SS1	TAL BUF
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:12	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 03:53	KRC	TAL BUF
Total/NA	Analysis	310.2		5	185043	05/31/14 09:44	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:10	RS	TAL BUF

Client Sample ID: MW-3A

Lab Sample ID: 480-60429-7

Date Collected: 05/21/14 18:00

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:04	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 08:39	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:42	NCH	TAL BUF
Total/NA	Analysis	9038		1	185045	05/31/14 08:38	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184225	05/27/14 19:40	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	185044	05/31/14 08:32	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183900	05/23/14 14:02	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 22:41	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 18:00	FLD	TAL BUF

Client Sample ID: MW-3B

Lab Sample ID: 480-60429-8

Date Collected: 05/21/14 18:30

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			184121	05/27/14 13:00	EHD	TAL BUF
Dissolved	Prep	3005A			184441	05/29/14 09:00	EHD	TAL BUF
Dissolved	Analysis	6010C		1	184770	05/29/14 18:52	SS1	TAL BUF
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:15	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 04:03	KRC	TAL BUF
Total/NA	Analysis	310.2		10	184953	05/30/14 14:47	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:11	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:04	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 08:40	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:26	NCH	TAL BUF
Total/NA	Analysis	9038		1	184951	05/30/14 14:11	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184225	05/27/14 19:41	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	184952	05/30/14 14:37	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183900	05/23/14 14:02	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 22:58	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 18:30	FLD	TAL BUF

Client Sample ID: MW-4A

Lab Sample ID: 480-60429-9

Date Collected: 05/21/14 13:45

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:17	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 04:13	KRC	TAL BUF
Total/NA	Analysis	310.2		10	185043	05/31/14 08:45	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:12	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:04	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 09:28	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:26	NCH	TAL BUF
Total/NA	Analysis	9038		1	185045	05/31/14 08:23	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 21:56	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	185044	05/31/14 08:32	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 23:14	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 13:45	FLD	TAL BUF

Client Sample ID: MW-5A

Lab Sample ID: 480-60429-10

Date Collected: 05/21/14 13:20

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:20	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 04:23	KRC	TAL BUF
Total/NA	Analysis	310.2		5	185043	05/31/14 08:52	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:13	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:04	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 09:31	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184165	05/27/14 08:58	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:26	NCH	TAL BUF
Total/NA	Analysis	9038		1	185045	05/31/14 08:23	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 21:57	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	185044	05/31/14 08:40	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/28/14 23:31	KRC	TAL BUF

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: MW-5A

Lab Sample ID: 480-60429-10

Date Collected: 05/21/14 13:20
Matrix: Water
Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 13:20	FLD	TAL BUF

Client Sample ID: MW-6A

Lab Sample ID: 480-60429-11

Date Collected: 05/21/14 12:55
Matrix: Water
Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			184121	05/27/14 13:00	EHD	TAL BUF
Dissolved	Prep	3005A			184441	05/29/14 09:00	EHD	TAL BUF
Dissolved	Analysis	6010C		1	184770	05/29/14 19:03	SS1	TAL BUF
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:23	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 04:33	KRC	TAL BUF
Total/NA	Analysis	310.2		5	185043	05/31/14 09:44	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:14	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:04	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 09:32	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184166	05/27/14 11:02	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:20	NCH	TAL BUF
Total/NA	Analysis	9038		1	185045	05/31/14 08:23	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 21:58	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	185044	05/31/14 08:25	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/29/14 00:05	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 12:55	FLD	TAL BUF

Client Sample ID: MW-6B

Lab Sample ID: 480-60429-12

Date Collected: 05/21/14 12:35
Matrix: Water
Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:26	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 05:14	KRC	TAL BUF
Total/NA	Analysis	310.2		10	184953	05/30/14 14:46	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:14	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:11	CLT	TAL BUF

Client Sample ID: MW-6B

Lab Sample ID: 480-60429-12

Date Collected: 05/21/14 12:35

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	183807	05/23/14 09:34	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184166	05/27/14 11:02	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:20	NCH	TAL BUF
Total/NA	Analysis	9038		1	184951	05/30/14 14:11	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 21:59	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	184952	05/30/14 14:37	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/29/14 02:38	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 12:35	FLD	TAL BUF

Client Sample ID: MW-7A

Lab Sample ID: 480-60429-13

Date Collected: 05/21/14 16:30

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			184121	05/27/14 13:00	EHD	TAL BUF
Dissolved	Prep	3005A			184441	05/29/14 09:00	EHD	TAL BUF
Dissolved	Analysis	6010C		1	184770	05/29/14 19:06	SS1	TAL BUF
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:37	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 05:24	KRC	TAL BUF
Total/NA	Analysis	310.2		10	185043	05/31/14 08:45	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:18	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:11	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 09:39	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184166	05/27/14 11:02	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:20	NCH	TAL BUF
Total/NA	Analysis	9038		1	185045	05/31/14 08:23	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 22:00	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		2	185044	05/31/14 08:54	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/29/14 02:55	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 16:30	FLD	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-60429-1

Client Sample ID: Scale House

Lab Sample ID: 480-60429-14

Date Collected: 05/21/14 12:00

Matrix: Water

Date Received: 05/23/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			184291	05/28/14 09:00	EHD	TAL BUF
Total/NA	Analysis	6010C		1	184570	05/28/14 22:40	MTM2	TAL BUF
Total/NA	Analysis	SM 2340B		1	186840	06/10/14 13:54	MTM2	TAL BUF
Total/NA	Analysis	300.0		1	184176	05/28/14 05:34	KRC	TAL BUF
Total/NA	Analysis	310.2		5	184953	05/30/14 15:44	NCH	TAL BUF
Total/NA	Analysis	350.1		1	184467	05/28/14 18:19	RS	TAL BUF
Total/NA	Prep	351.2			184637	05/29/14 12:18	KJ1	TAL BUF
Total/NA	Analysis	351.2		1	184713	05/29/14 17:11	CLT	TAL BUF
Total/NA	Analysis	353.2		1	183807	05/23/14 09:40	NCH	TAL BUF
Total/NA	Analysis	410.4		1	184252	05/27/14 20:04	JMB	TAL BUF
Total/NA	Prep	Distill/Phenol			184166	05/27/14 11:02	RP	TAL BUF
Total/NA	Analysis	420.4		1	184650	05/29/14 10:20	NCH	TAL BUF
Total/NA	Analysis	9038		1	184951	05/30/14 14:16	NCH	TAL BUF
Total/NA	Analysis	SM 2540C		1	184247	05/27/14 22:01	KS	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	184952	05/30/14 14:37	NCH	TAL BUF
Total/NA	Analysis	SM 5210B		1	183864	05/23/14 05:14	MDL	TAL BUF
Total/NA	Analysis	SM 5310D		1	184911	05/29/14 03:11	KRC	TAL BUF
Total/NA	Analysis	Field Sampling		1	186813	05/21/14 12:00	FLD	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-60429-1

Laboratory: TestAmerica Buffalo

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

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

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-60429-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	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
9038	Sulfate, Turbidimetric	SW846	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 4500 Cl- E	Chloride, 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

Sample Summary

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

TestAmerica Job ID: 480-60429-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-60429-1	CD-1	Water	05/21/14 15:40	05/23/14 01:00
480-60429-2	CD-1RA	Water	05/21/14 15:15	05/23/14 01:00
480-60429-3	MW-1A	Water	05/21/14 16:15	05/23/14 01:00
480-60429-4	MW-1B	Water	05/21/14 14:10	05/23/14 01:00
480-60429-5	MW-2A	Water	05/21/14 17:15	05/23/14 01:00
480-60429-6	MW-2B	Water	05/21/14 17:30	05/23/14 01:00
480-60429-7	MW-3A	Water	05/21/14 18:00	05/23/14 01:00
480-60429-8	MW-3B	Water	05/21/14 18:30	05/23/14 01:00
480-60429-9	MW-4A	Water	05/21/14 13:45	05/23/14 01:00
480-60429-10	MW-5A	Water	05/21/14 13:20	05/23/14 01:00
480-60429-11	MW-6A	Water	05/21/14 12:55	05/23/14 01:00
480-60429-12	MW-6B	Water	05/21/14 12:35	05/23/14 01:00
480-60429-13	MW-7A	Water	05/21/14 16:30	05/23/14 01:00
480-60429-14	Scale House	Water	05/21/14 12:00	05/23/14 01:00

TestAmerica Albany
25 Kraft Road
Albany, NY 12205

Chain of Custody Record

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

480-60429 Chain of Custody

Client Information	Sampler:
Client Contact: Mr. Tim Knollmeyer	Phone:
Company: TestAmerica Laboratories, Inc.	
Address: 25 Kraft Road	Due Date Requested:
City: Albany	TAT Requested (days):
State, Zip: NY, 12205	
Phone:	PO #: Purchase Order not required
Email: tim.knollmeyer@testamericainc.com	WO #:
Project Name: Cortland Landfill/ Event Desc: Towslee Landfill - Routine	Project #: 48009337
Site: New York	SSOW#:

Carrier Tracking No(s):

COC No: 480-49779-12242.1
Page: Page 1 of 2
Job #:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D - Bromide	350.1, 351.2, 410.4	6010C, SM2340B	420.4 - Phenolics, Total Recoverable	SM5310D - Total Organic Carbon	5210B - Biochemical Oxygen Demand	2540C_Calcd - Total Dissolved Solids	FieldSampling - pH,Cond,Temp,Turb, DO, ORP	353.2, 353.2_Nitrite, 9038, Nitrate_Calc, SM4500_Cl_E	310.2 - Alkalinity, Total	6010C Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	S	D	S	A	N	N	N	N	N			
CD-1	5-21-14	1540	G	Water			X	X	X	X	X	X	X	X	X	X	X		
CD-1RA	5-21-14	1515	G	Water			X	X	X	X	X	X	X	X	X	X	X		
MW-1A	5-21-14	1615	G	Water			X	X	X	X	X	X	X	X	X	X	X		
MW-1B	5-21-14	1410	G	Water			X	X	X	X	X	X	X	X	X	X			
MW-2A	5-21-14	1715	G	Water			X	X	X	X	X	X	X	X	X	X	X		
MW-2B	5-21-14	1730	G	Water			X	X	X	X	X	X	X	X	X	X			
MW-3A	5-21-14	1800	G	Water			X	X	X	X	X	X	X	X	X	X	X		
MW-3B	5-21-14	1830	G	Water			X	X	X	X	X	X	X	X	X	X	X		
MW-4A	5-21-14	1345	G	Water			X	X	X	X	X	X	X	X	X	X			
MW-5A	5-21-14	1320	G	Water			X	X	X	X	X	X	X	X	X	X			
MW-6A	5-21-14	1255	G	Water			X	X	X	X	X	X	X	X	X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 5-22-14 1800	Company: TA	Received by: [signature]	Date/Time: 5-23-14 0100	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: [initials] 5-23-14	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.1, 2.6, 2.2, 2.4 IR 7 [illegible]

TestAmerica Albany
25 Kraft Road
Albany, NY 12205

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-49779-12242.2
Client Contact: Mr. Tim Knollmeyer	Phone:	E-Mail: ryan.vandette@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.				Job #:

Address: 25 Kraft Road	Due Date Requested:
City: Albany	TAT Requested (days):
State, Zip: NY, 12205	
Phone:	PO #: Purchase Order not required
Email: tim.knollmeyer@testamericainc.com	WO #:
Project Name: Cortland Landfill/ Event Desc: Towslee Landfill - Routine	Project #: 48009337
Site: New York	SSOW#:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D - Bromide	350.1, 351.2, 410.4	6010C, SM2340B	420.4 - Phenolics, Total Recoverable	SM5310D - Total Organic Carbon	5210B - Biochemical Oxygen Demand	2540C_Calcd - Total Dissolved Solids	FieldSampling - pH,Cond,Temp,Turb (DO, ORP	353.2, 363.2_Nitrite, 9038, Nitrate_Calc, SM4500_Cl_E	310.2 - Alkalinity, Total	6010C Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	S	D	S	A	N	N	N	N	N					
MW-6B	5-21-14	1235	G	Water			X	X	X	X	X	X	X	X	X	X			
MW-7A	5-21-14	1630	G	Water			X	X	X	X	X	X	X	X	X	X	X		
Scale House	5-21-14	1200	G	Water			X	X	X	X	X	X	X	X	X	X			

TDK

5-21-14

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Tim Knollmeyer	5-22-14 1900	TA		5-23-14 0100	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1, 4.6, 2.0, 2.4 #1

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

FIELD OBSERVATIONS

BF-FS-Albany-001
Field ObservationsGroundwaters
Rev.0 Mar 12, 2014

Facility: Towsley LF Sample Point ID: CD-1

Field Personnel: TDL Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14, 1540

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"
Well Depth (from top of PVC): 24.70
Water Depth (from top of PVC): 8.11
Length of water Column: 16.59
Puge Volume: LWC x 0.17 x 3=: 8.4609 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)
1540	10.31	7.77	255	666	179.2	3.97

INSTRUMENT CHECK DATA: See page 19 for calibrations

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: _____

COMMENTS AND OBSERVATIONS: Very Turbid, Submit Sample for Diss metals

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 By: TDL Company: TA

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FIELD OBSERVATIONS

BF-FS-Albany-001
Field ObservationsGroundwaters
Rev.0 Mar 12, 2014

Facility: ~~Fulton County~~ Foxlee LF TDK

Sample Point ID: CD-1RA

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5.21.14 1515

Method of Sampling: Bailer

Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 48.99'

Water Depth (from top of PVC): 7.0'

Length of water Column: 41.99

Puge Volume: LWC x 0.17 x 3= 21.4145

Volume Purged: 22 gallons

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1515	10.51	8.00	299	>	152.0	3.17

INSTRUMENT CHECK DATA: See page 19 for calibrations

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: _____

COMMENTS AND OBSERVATIONS: Very turbid. Submit sample for Diss metals

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 By: TDK Company: TA

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FIELD OBSERVATIONS

BF-FS-Albany-001
Field ObservationsGroundwaters
Rev.0 Mar 12, 2014

Facility: Towsley LF Sample Point ID: MW-1A

Field Personnel: TDK Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14 / 1615

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"
Well Depth (from top of PVC): 33.50
Water Depth (from top of PVC): 0.90
Length of water Column: 32.60
Puge Volume: LWC x 0.17 x 3= 16.626 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)
1615	11.18	8.03	375	7	144.6	4.84

INSTRUMENT CHECK DATA: See page 19 for calibrations

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: _____

COMMENTS AND OBSERVATIONS: Water level is at the top of the PVC. Bailed dry @ 7 gallons @ 1430 Very turbid Submit Samples for Diss metals

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 By: TDK Company: TA

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FIELD OBSERVATIONS

BF-FS-Albany-001
Field ObservationsGroundwaters
Rev.0 Mar 12, 2014

Facility: Towsley LF Sample Point ID: MW-1B

Field Personnel: TDK Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14 / 1410

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:

Purge Volume: LWC x 0.17 x 3= Volume Purged: NONE (2)

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1410	11.69	8.09	227	3.47	151.3	2.65

INSTRUMENT CHECK DATA: See purge 19 for Calibration

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 Windy 60's

COMMENTS AND OBSERVATIONS: Water level is at top of PVC (2). This well is Artesian water flowing constantly

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 By: TDK Company: TA

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FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towne LF Sample Point ID: MW-2A

Field Personnel: TDK Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14 1715

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 12.82

Water Depth (from top of PVC): 7.94

Length of water Column: 4.88

Purge Volume: LWC x 0.17 x 3= 2.4852 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)
[illegible]	10.44	6.77	600	1674	30.4	4.84

INSTRUMENT CHECK DATA: See page 14 for calibrations

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Conductivity Serial #: _____ _____ umhos/cm@25 C

ORP Serial # _____ _____ Mv

Calibrated to _____ @ _____

Weather conditions @ time of sampling: _____

COMMENTS AND OBSERVATIONS: Subm. 1 Sample for DISS metals

_____

_____

_____ that sampling procedures were in accordance with all applicable EPA, State and Site-Specific

5/21/14 By: TDK Company: TA

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FIELD OBSERVATIONS

BF-FS-Albany-001
Field ObservationsGroundwaters
Rev.0 Mar 12, 2014

Facility: Towsley

Sample Point ID: MW-2B

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14, 1730

Method of Sampling: Bailer

Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 33.52

Water Depth (from top of PVC): 9.42

Length of water Column: 24.10

Puge Volume: LWC x 0.17 x 3=: 12.291

Volume Purged: 8 gallon

Methane Reading: _____

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1730	10.24	6.83	1358	19.1	55.2	4.94

INSTRUMENT CHECK DATA: See page 14 for calibration

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 _____ @ _____

Other conditions @ time of sampling: _____

COMMENTS AND OBSERVATIONS: Bailed dry @ 8 gallons

_____

_____

_____ Sampling procedures were in accordance with all applicable EPA, State and Site-Specific

5/21/14 By: TDK Company: TA

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FIELD OBSERVATIONS

Facility: ~~Fulton County~~ Toysleg LF — Sample Point ID: MW-3A

Field Personnel: TDK — Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14, 1800

Method of Sampling: Bailer — Dedicated: YES

Diameter of Well: 2"
Well Depth (from top of PVC): 22.43
Water Depth (from top of PVC): 9.29
Length of water Column: 13.14
Puge Volume: LWC x 0.17 x 3=: 6.7014 — Volume Purged: 4 Gallon

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1400	9.73	6.67	334	1123	-9.4	5.94

INSTRUMENT CHECK DATA: See page 14 for Calibration

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: _____

COMMENTS AND OBSERVATIONS: Bailed dry @ 4 gallons
Submit sample for Dissolved metals

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 By: TDK Company: TA

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FIELD OBSERVATIONS

Facility: ~~Fulton County~~ Township LF TDK

Sample Point ID: MW-3B

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14, 1836

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 44.38

Water Depth (from top of PVC): 14.59

Length of water Column: 29.79

Puge Volume: LWC x 0.17 x 3= 15.1925 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)
1836	12.03	7.55	450	83	112.2	5.34

INSTRUMENT CHECK DATA:

See Page 19 For Calibration

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: _____

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: 5/21/14 By: TDK Company: TA

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FIELD OBSERVATIONS

BF-FS-Albany-001
Field ObservationsGroundwaters
Rev.0 Mar 12, 2014

Facility: ~~Fulton County~~ Towsley LF TOK

Sample Point ID: MW-4R

Field Personnel: TOK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5.21.14 1345

Method of Sampling: Bailer

Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 32.42

Water Depth (from top of PVC): 8.41

Length of water Column: 24.01

Puge Volume: LWC x 0.17 x 3= 12.24.51

Volume Purged: 5 gallons

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1345	9.32	6.91	787	14.8	241.2	5.74

INSTRUMENT CHECK DATA: See page 19 for calibrations

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 windy 60°

COMMENTS AND OBSERVATIONS: Bailed dry @ 5 gallons @ 1148

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 By: TOK Company: TA

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FIELD OBSERVATIONS

Facility: Fulton Towslee LF Fulton County DPW

Sample Point ID: MW-5A

Field Personnel: TDK

Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5.21.14, 1320

Method of Sampling: Bailer

Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 32.28

Water Depth (from top of PVC): 9.81

Length of water Column: 22.47

Puge Volume: LWC x 0.17 x 3= 11.4597

Volume Purged: 2 Gallons

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1320	11.03	8.20	248	12.0	-31.4	5.63

INSTRUMENT CHECK DATA: See page 19 For Calibration

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 windy 60's

COMMENTS AND OBSERVATIONS: Baled dry @ 2 gallons obstruction in well @ 1138

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 By: TDK Company: TA

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FIELD OBSERVATIONS

BF-FS-Albany-001
Field ObservationsGroundwaters
,Rev.0 Mar 12, 2014

Facility: Towsley LF Sample Point ID: MW-6A

Field Personnel: TDC Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14 1255

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"

Well Depth (from top of PVC): 19.16

Water Depth (from top of PVC): 10.52

Length of water Column: 8.64

Puge Volume: LWC x 0.17 x 3= 4.4064 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)
1255	9.02	6.80	408		127.0	4.36

INSTRUMENT CHECK DATA: See page 14 for calibrations

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 windy 60°

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 protocals.

Date: 5/21/14 By: TDC Company: PA

FIELD OBSERVATIONS

BF-FS-Albany-001
Field Observations Groundwaters
Rev.0 Mar 12, 2014

Facility: Towsley IF **Sample Point ID:** MW-68

Field Personnel: TDC **Sample Matrix:** GW

SAMPLING INFORMATION:

Date/Time 5-21-14 / 1235

Method of Sampling: Bailer **Dedicated:** YES

Diameter of Well 2"
Well Depth (from top of PVC) 40.79
Water Depth (from top of PVC) 12.84
Length of water Column 27.95
Purge Volume: LWC x 0.17 x 3= 14.2345 **Volume Purged** 5.5 gallon

Methane Reading 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1235	10.36	7.13	3.54	29.7	131.1	7.27

INSTRUMENT CHECK DATA: See page 19 for Calibrations

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 windy 60's

COMMENTS AND OBSERVATIONS: Bailed dry @ 5.5 gallons @ 1126

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 **By:** TDC **Company:** TA

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FIELD OBSERVATIONS

BF-FS-Albany-001
Field ObservationsGroundwater
Rev.0 Mar 12, 2014

Facility: Towsee LF Sample Point ID: MW-7A

Field Personnel: TDK Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14 ; 1630

Method of Sampling: Bailer Dedicated: YES

Diameter of Well: 2"
Well Depth (from top of PVC): 22.65
Water Depth (from top of PVC): 6.34
Length of water Column: 16.31
Puge Volume: LWC x 0.17 x 3= 8.3181 Volume Purged 9 gallon

Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm).	Turb. (NTU)	ORP Mv	DO (mg/l)
1630	11.65	6.96	1099	99.7	202.5	7.52

INSTRUMENT CHECK DATA: See page 14 for calibrations

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: _____

COMMENTS AND OBSERVATIONS: Submit sample for Diss metals

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 By: TDK Company: TA

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FIELD OBSERVATIONS

BF-FS-Albany-001
Field ObservationsGroundwaters
Rev.0 Mar 12, 2014

Facility: Towsley LF Sample Point ID: Scale House

Field Personnel: TDK Sample Matrix: GW

SAMPLING INFORMATION:

Date/Time: 5-21-14, 1200

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: ____

Puge Volume: LWC x 0.17 x 3= ____ Volume Purged —

Ambiant = 0
Methane Reading: 0

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1200	11.86	7.63	350	0.28	108.4	2.88

INSTRUMENT CHECK DATA: Lamotte 2020 Turbidity Meter

Turbidity 0.0 Serial #: C257633 Exp 7/14
Turbidity 1.0 Serial #: C256201 Exp 8/14
Turbidity 10.0 Serial #: C256952 Exp 7/14

YSI 556
pH 4.0 Serial #: 13m3R
pH 7.0 Serial #: 13m35
pH 10.0 Serial #: 13m3T

Ambient Gas Reading taken in parking lot of Scale House.

Cond Serial #: 4AC207 1413 umhos/cm@25 C Exp 3/31/15

ORP Serial # 5100 240.0 Mv Exp 10/17

DO Calibrated to 98.8% @ 27.99 mmHg 1450

Weather conditions @ time of sampling: ____

COMMENTS AND OBSERVATIONS: Taken from tap in basement
Let water run 10 minutes before Sampling

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/21/14 By: T Kolb Company: TA

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Login Sample Receipt Checklist

Client: Cortland Cty Soil & Water Cons District

Job Number: 480-60429-1

Login Number: 60429

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	False	Lab to filter
Chlorine Residual 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	258	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	10.3	179	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	--

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	39	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	10.5	152	8	299	--	--	151	500	177	1.4	22.7	<0.2	<0.05	0.095	2.4	<10	<2	<1	<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	11.2	145	8.03	379	--	--	149	303	239	33.7	21.4	<0.2	<0.05	0.06	1.2	<10	<2	<1	<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	11.7	151	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	--

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	--	492	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	10.4	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	--

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	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	10.2	55	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	--

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	387	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	--

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	0.89	<0.005	--
3/18/14	9.84	94	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	112	7.55	450	--	83	250	213	263	24.1	15.3	<0.2	<0.05	<0.02	<0.2	<10	<2	<1	<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	6.97	685	--	46.6	470	461	420	18.6	11.2	<0.2	<0.05	<0.02	0.31	12	<2	2.3	<0.01	--
5/21/14	9.32	241	6.91	787	--	14.8	319	337	413	16.9	15.8	<0.2	0.068	<0.02	0.22	22	<2	1.3	<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	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	-31	8.2	248	--	12	139	105	145	6	17.7	<0.2	0.097	<0.02	<0.2	<10	<2	<1	<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	<2	2.2	<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	10.4	131	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	--

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	(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	--	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	11.1	203	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	--

Historical Water Quality Data - Towslee Landfill

CD-1 Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

CD-1RA Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-1A Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-1B Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-2A Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-2B Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-3A Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-3B Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-4A Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-5A Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-6A Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--	--	--	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-6B Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--	--	<0.05	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	--	--	--	--	--

Historical Water Quality Data - Towslee Landfill

MW-7A Total Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	<0.01	<0.02	<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	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill

CD-1 - Dissolved Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill

CD-1RA - Dissolved Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill

MW-1A - Dissolved Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill

MW-1B - Dissolved Metals (all values in mg/l)

	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
Water Quality Stand.	--	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	0.0146B	<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)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill

MW-2B - Dissolved Metals (all values in mg/l)

	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
Water Quality Stand.	--	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)

	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
Water Quality Stand.	--	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)

	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
Water Quality Stand.	--	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)

	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
Water Quality Stand.	--	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)

	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
Water Quality Stand.	--	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)

	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
Water Quality Stand.	--	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	0.0142B	--	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	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill

MW-6B - Dissolved Metals (all values in mg/l)

	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
Water Quality Stand.	--	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)

	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
Water Quality Stand.	--	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	--	--	--	--	--

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well CD-1 - Overburden

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well CD-1RA - Bedrock

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-1A - Overburden

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-1B - Bedrock

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-2A - Overburden

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill
Organics (ug/l) (includes only detected compounds)
Well MW-2B - Bedrock

	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
Water Quality Standard	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	28.3	<5	<5	<5	<5	<5	<10	<5

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-3A - Bedrock

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-3B - Bedrock

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-4A - Bedrock

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-5A - Bedrock

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-6A - Overburden

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-6B - Bedrock

	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
Water Quality Standard	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

Historical Water Quality Database - Towslee Landfill

Organics (ug/l) (includes only detected compounds)

Well MW-7A - Overburden

	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
Water Quality Standard	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	6.59	5.22	<5	<5	<5	<5	<10	<5

Appendix C

Historical Summary of Parameters Identified by B&L in 1997 that are Suggestive of Mild Leachate Contamination

Cortland County Towslee Landfill

Conventionals	Metals
Alkalinity	Aluminum
Hardness	Arsenic
Chloride	Calcium
Ammonia	Chromium
TKN	Cobalt
COD	Copper
TOC	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
Alkalinity	1997_Q3	--	134	160	94.8	702	577	145	235	253	130	357	240	569
mg/L	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

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	1997_Q3	--	0.04	6	<0.02	23	0.95	<0.02	<0.02	<0.02	<0.02	1.6	0.09	0.93
mg/L	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

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	1997_Q3	--	<2	152	<2	156	267	31.4	32	79.1	44.5	79.1	38.2	300
mg/L	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

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	1997_Q3	--	<15	305	<15	127	58	19	22	37	16	94	40	43
mg/L	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

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	1997_Q3	--	160	4000	88	1300	960	1250	280	308	250	650	300	1010
mg/L	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

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	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
mg/L	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

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	1997_Q3	--	2.1	4.2	9.3	42.5	12.3	4.5	7.9	7.7	2.7	14	6	10.1
mg/L	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

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
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

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

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
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
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

Historical Summary of Parameters Identified by B&L in 1997 that are Indicative of Mild Leachate Contamination

Total Metals (all values in mg/l)

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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

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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

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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

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

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

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

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
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

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-6A	MW-6B	MW-7A
Aluminum	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	--	--
Arsenic	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	--	--
Calcium	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
Chromium	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	--	--
Cobalt	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	--	--
Copper	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	--	--

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-6A	MW-6B	MW-7A
Iron	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
Lead	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
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

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-6A	MW-6B	MW-7A
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
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
Sodium	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

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-6A	MW-6B	MW-7A
Vanadium	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	--	--
Zinc	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	--	--

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