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

July 25, 2012

Brian Jankauskas
NYS DEC
Div. of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7015

Dear Mr. Jankauskas:

Enclosed is a report summarizing monitoring activities for Quarter 1 of 2012 at the Towslee Landfill in Cortland County. Cortland County Soil and Water Conservation District prepared this report for Don Chambers, Superintendent of Cortland County Highway Department.

Please contact our office at (607) 756-5991, or Don Chambers at (607) 753-9377, if you have any questions.

Sincerely,

Patrick Reidy
Water Quality Specialist

cc: Don Chambers w/ report
James Gruppe, NYSDEC Region 7 w/ report
Amanda Barber, SWCD/files

Environmental Monitoring Report
2012 Quarter 1

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

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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. This report summarizes groundwater quality monitoring activities at the Towslee Landfill for Quarter 1 of 2012.

The Towslee Landfill is designated by New York State Department of Environmental Conservation (NYSDEC) as a Class 2 inactive hazardous waste disposal site, and has been listed in the Registry of Inactive Hazardous Waste Disposal Sites (#7-12-001). NYSDEC issued an Order of Consent (#B7-0486-12-95), effective May 31, 1996, making it the responsibility of Cortland County to develop and implement a remedial investigation plan towards the closure and cleanup of the facility.

Barton & Loguidice (B&L) completed a remedial investigation report in March 1998 that included the results of a hydrogeologic investigation and a "limits of waste" investigation, among other things. Groundwater monitoring wells were installed and tested as part of this investigation.

Towslee Landfill monitoring follows the sampling and analysis plan prepared by B&L in 2006. Upstate Laboratories, Inc. (herein referred to as Upstate Labs) conducted all sample collection activities, and performed all laboratory analyses for Quarter 1 of 2012. 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

The site was a private disposal facility starting in the 1940s. The City of Cortland leased the site for municipal disposal in the mid-1960s in the portion of the site now referred to as the Abandoned City of Cortland Landfill. Cortland County purchased the site in 1972. In April 1972 the County began landfill operations north of the Abandoned City operation. The County stopped disposing of municipal solid waste at this site in 1987, but continued to dispose of construction debris until early 1992. Based on landfill records, hazardous wastes were believed to have been deposited at the site. The wastes were believed to have been generated by one or more local industries. B&L delineated the limits of hazardous waste associated with the site.

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 adjacent to Towslee Landfill.

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 19-21, 2012
Second Quarter:	Routine	to be completed
Third Quarter:	Routine	to be completed
Fourth Quarter:	Baseline	to be completed

3.2 Groundwater Monitoring Locations

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

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

(a) MW-5A cannot be sampled because of a blockage above the water table. An attempt to sample this well with small diameter plastic tubing was unsuccessful. Further efforts to unblock the well are planned.

4.0 Groundwater Monitoring Results

This section provides an evaluation of groundwater monitoring results for Quarter 1 of 2012. 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 1 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 2012 groundwater quality data to NYS water quality standards. Tables 1, 2 and 3 summarize groundwater quality results for Quarter 1 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 1 of 2012 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 the two upgradient wells and 9 of the 10 sampled downgradient wells in Quarter 1, with results ranging from about 7 to over 900 NTU. Based on separate monitoring conducted at the closed Pine Tree Landfill, and the active West Side Landfill, natural groundwater in this area appears to have elevated turbidity.

Total Dissolved Solids (TDS) - The TDS standard of 500 mg/l has been consistently exceeded for the same two wells, and this trend continued in Quarter 1. TDS was 830 mg/l at MW-2B, and 1,000 mg/l at MW-7A.

Ammonia - The ammonia standard of 2 mg/l was exceeded at MW-2A (5.32 mg/l) in Quarter 1, and was exceeded in all previous monitoring events at this well, with levels slowly decreasing over time.

4.1.2 Metals

Total Barium - The NYS standard for barium is 1 mg/l. This was exceeded for MW-2B (1.4 mg/l) and MW-4A (1.3 mg/l) in Quarter 1 of 2012.

Total Iron - The NYS standard for iron is 0.3 mg/l. The standard was exceeded for one upgradient wells and 7 of the 10 sampled downgradient wells in Quarter 1, ranging from about 0.4 to 34 mg/l. Iron has frequently exceeded the standard in past monitoring at Towslee. The elevated iron levels are believed to be due at least in part to particulate in the unfiltered samples.

Total Manganese - The NYS standard for manganese is 0.3 mg/l. The manganese standard was exceeded for one upgradient well and 7 of 10 downgradient wells in Quarter 1, ranging from about 0.7 to 7 mg/l. As with iron, the manganese standard has frequently been exceeded in past monitoring, and may be due to particulate in unfiltered samples.

Sodium – Of the several NYS sodium standards, the lowest is 20 mg/l, and applies to people on severely restricted sodium diets. Contraventions in Quarter 1 were observed at MW-2B (58.5 mg/l) and MW-7A (108 mg/l). These results are consistent with past monitoring. Elevated sodium may be at least partially related to deicing activities on the road network within the landfill.

4.1.3 Volatile Organic Compounds (VOCs)

No VOCs were detected in 10 of the 12 wells sampled in Quarter 1. For the other two wells, a total of four different VOCs were detected, as described below.

Vinyl chloride was detected at 8 ug/l at MW-2B, above the drinking water standard of 2 ug/l.

Chloroethane was detected in Well MW-2B at 4 ug/l, which is below the MCL of 5 ug/l. This result is considered to be estimated because it was below the MDL.

cis-1,2-dichloroethene was detected in Wells MW-2B (15 ug/l) and MW-7A (3 ug/l). The result for MW-2B is above the drinking water MCL of 5 ug/l.

1,1-Dichloroethane was detected in MW-7A at 3 ug/l. This is below the drinking water MCL of 5 ug/l. This result is considered to be estimated because it was below the MDL.

There were no other contraventions of NYS water quality standards in Quarter 1 of 2012.

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 2012.

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. Appendix C contains historical summary tables of results for the COCs for conventional and total metals.

4.2.1 Upgradient Wells

Wells CD-1 and CD-1RA are upgradient of the landfill. Note that in 1997, CD-1RA received analyses for a broad range of parameters, while CD-1 was only tested for VOCs.

The 2012 Quarter 1 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

Trends for Conventionals

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

- Alkalinity continues to be generally lower than 1997 levels, and fairly stable over the past 6 years. There is a general downward trend over the past few years for the wells with the highest alkalinity levels, except for MW-4A.

- Chloride levels continue to be significantly lower than 1997 levels. There is a downward trend over the past few years for the wells with the highest chloride levels, except for MW-4A.

- Hardness levels are generally lower than in 1997, especially for the wells with high levels in 1997. Hardness has been fairly stable for the past 6 years.

- Ammonia – For most wells, ammonia has consistently been below the detection level in recent years. Well MW-2A continues to have elevated ammonia levels, but continues to show an overall decreasing trend over time. MW-2B is the only other well at which ammonia was detected in the past several years, but has been “non-detect” for the past three quarters.

- TKN levels in general show an overall decreasing trend over time, with several wells consistently below the detection limit in recent years. TKN results for MW-2A are elevated, but show an overall decreasing trend. Results for MW-2B have remained generally stable for the past years, and below the detection limit in the most recent event. TKN results for MW-3A and MW-7A fluctuate more than at other wells, with no clear trend either up or down.

- COD continues to show an overall decrease compared to 1997 levels. Results for most wells have been below the detection limit in recent quarters. Results for MW-7A have been relatively stable.

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

- For all other conventionals, the results for 2012 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	

- Aluminum levels continue to show a significant decrease through Quarter 1 of 2012, compared to 1997.

- Arsenic levels have generally decreased compared to 1997 levels, and have been below the detection limit for over half the wells for the past few quarters of monitoring.

- Calcium levels continue to show an overall decrease through Quarter 1 of 2012, compared to 1997 levels, and have been relatively stable in recent monitoring. There has generally been a significant decrease in calcium concentrations for the wells with the highest levels in 1997.

- Chromium levels have decreased over time, and results have generally been below the detection limit in recent years.

- Cobalt has been below the detection limit for all wells since sampling resumed in 2006.

- Copper has generally been below the detection limit for all wells in recent years.

- Iron continues to show an overall decrease compared to 1997 levels. Variability in total iron levels in recent years is likely due to varying amounts of particulate in samples.

- Lead levels have generally been below the detection limit for the past 6 years.
- Magnesium levels continue to show an overall decrease compared to 1997 observations, and have been fairly stable over the past few years.
- Manganese continues to show an overall decrease compared to 1997 levels.
- Potassium levels continue to show an overall decrease through Quarter 1 of 2012, compared to 1997, and are below the detection limit at most wells in recent years.
- Sodium levels have continued to show a general decrease through Quarter 1 of 2012, or have remained fairly stable.
- Vanadium levels have been below the detection limit at all wells since sampling resumed in 2006.
- Zinc levels have generally decreased over time, compared to 1997 levels.

Trends for Organics

For most wells, VOCs have either not been detected, or been detected sporadically at low levels over time. The only wells for which VOCs were detected in Quarter 1 of 2012 are MW-2B and MW-7A. Low level organic contamination persists at these two locations, with no clear trend apparent.

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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.

At DEC's request, we have begun to include the West Side surface water quality results in the Towslee report. However, since West Side Landfill monitoring does not occur in Quarter 1, no results are available for this report.

6.0 Landfill Gas Testing

Landfill gas measurements were made at each of 13 monitoring wells in Quarter 1, as well as in the scalehouse. The landfill gas results are presented in Appendix D. The lower explosive limit (LEL) of methane is 5 percent in air by volume. All measurements are expressed as a percentage of the LEL.

In Quarter 1 of 2012, landfill gas was not detected at any of the monitoring locations. Note that gas measurements were not obtained at the two upgradient wells (CD-1 and CD-1RA) and one downgradient well (MW-7A). Also note that a gas measurement was made at MW-5A despite a blockage preventing water sample collection.

7.0 Quality Control

Quality control samples and data validation are discussed below. Based on a review of this information, we believe the Quarter 1 data are adequate to characterize groundwater quality in the vicinity of the Towslee Landfill.

7.1 Quality Control Samples

Duplicate samples were collected for MW-1B in Quarter 1 of 2012. Relative Percent Differences (RPDs) were calculated if results for both the sample and the duplicate were above the detection limit.

- 10 of 12 RPDs were below 20%, with 8 of 10 below 10%.
- The RPDs for total aluminum (84) and total iron (57), are elevated, but may be due to varying amounts of particulate in the unfiltered split samples.

7.2 Data Validation

DATAVAL, Inc. performed independent data validation for the Quarter 1 monitoring. DATAVAL found that in most cases laboratory analyses were performed well and demonstrated excellent quality control. A small percentage of results not completely satisfying program requirements have been qualified, as described in the validation summary report in Appendix A. Test results for two BOD samples and one total phenolics sample were rejected during data validation.

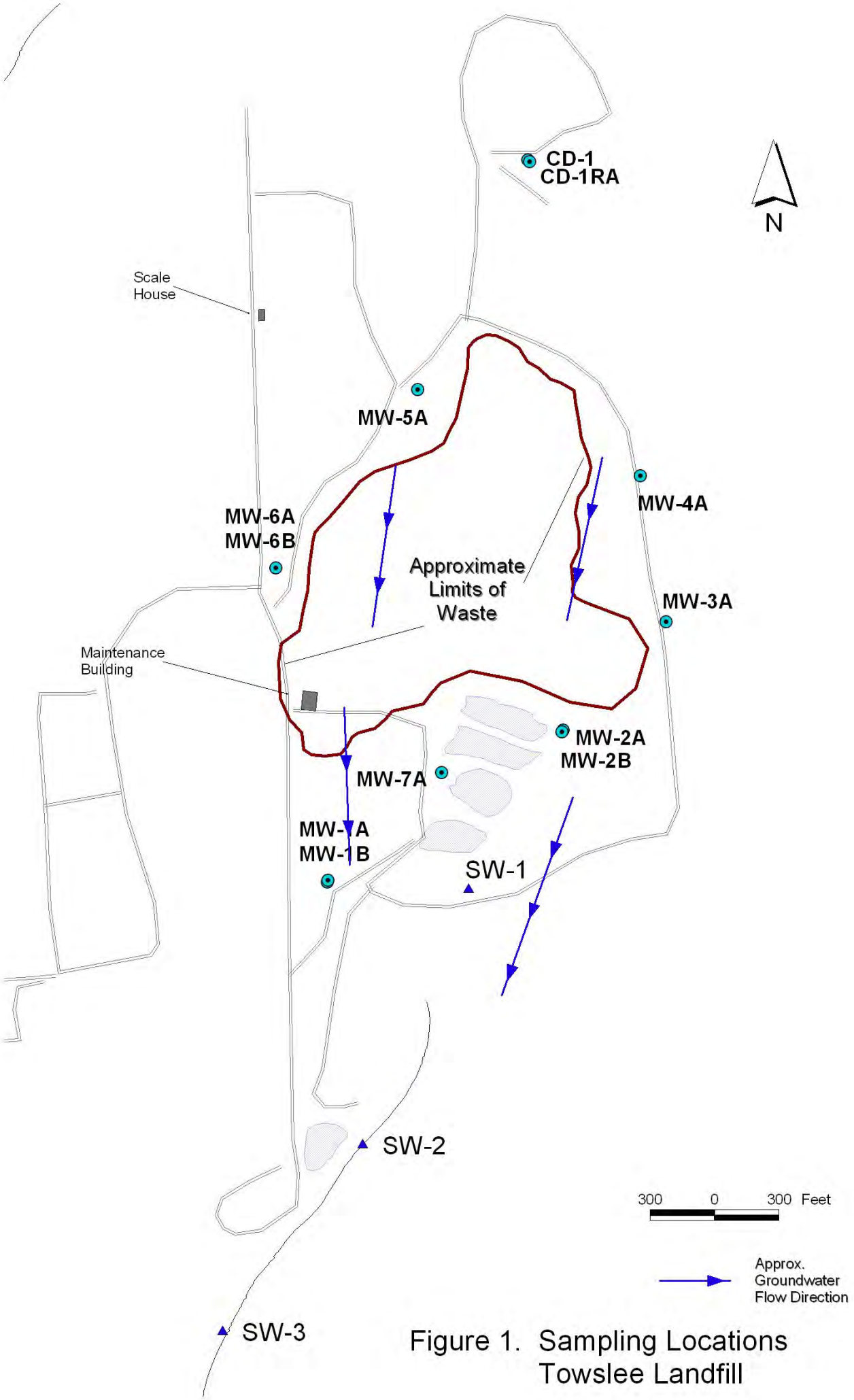

Figure 1. Sampling Locations
Towslee Landfill

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

Towslee Landfill - Quarter 1 2012

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)	--		18.2	17.7	19.8	22.8	21.3	18.0	17.7	15.8	14.6	NS	23.8	18.5	18.0
Eh	(mV)	--		179	180	116	115	72	88	194	203	193	NS	193	190	172
pH	log	6.5 - 8.5	a	7.89	7.98	7.91	7.93	6.84	6.6	7.27	7.04	7.1	NS	7.38	7.3	6.74
Specific Conduct.	(uS/cm)	--		274	299	401	279	448	1377	284	482	762	NS	415	344	1172
Color	(Units)	15	a, b	6	<5	6	<5	<5	<5	11	<5	<5	NS	<5	<5	6
Turbidity	(NTU)	5	a	**46.2**	**20.3**	**572**	**9.46**	**25.9**	**17.6**	**29.9**	**13.2**	**35**	NS	**922**	**6.83**	**24.6**
Alkalinity (as CaCO3)	(mg/l)	--		130 J	140 J	130 J	110 J	260 J	490 J	130 J	260 J	460 J	NS	200 J	140 J	500 J
Hardness (as CaCO3)	(mg/l)	--		144	164	225	124	170	712	147	262	444	NS	197	146	524
Total Diss. Solids	(mg/l)	500	a	180	150	190	170	250	**830**	140	250	460	NS	230	170	**1000**
Chloride	(mg/l)	250	a, b	<1 J	1.43 J	33.9 J	6.68 J	8.96 J	123 J	1.88 J	23.8 J	21.5 J	NS	8.86 J	16.2 J	99.4 J
Sulfate	(mg/l)	250	a, b	15.6	15.8	11.4	5.8	<5	<5	<5	8.7	7	NS	13.8	21.5	21.9
Bromide	(mg/l)	2	a	<0.8 J	<0.8 J	<8 J	<0.8 J	<8 J	<0.8 J	<0.8 J	<0.8 J	<0.8 J	NS	<8 J	<0.8 J	<80 J
Nitrate (As N)	(mg/l)	10	a, b	0.055	0.079	<0.05	<0.05	<0.05	0.053	<0.05	<0.05	<0.05	NS	0.094	0.073	<0.05
Ammonia (As N)	(mg/l)	2 *	a	<0.5	<0.5	<0.5 J	<0.5	**5.32 J**	<0.5	<0.5	<0.5	<0.5	NS	<0.5 J	<0.5	<0.5
TKN	(mg/l)	--		<0.5 J	<0.5 J	0.994 J	<0.5 J	4.95 J	<0.5 J	<0.5 J	<0.5 J	<0.5 J	NS	1.16 J	<0.5 J	<0.5 J
COD	(mg/l)	--		<20	<20	<20	<20	<20	<20	<20	<20	<20	NS	<20	<20	22
BOD	(mg/l)	--		<6 J	<4 J	<4 R	<4 J	<6 J	<4 J	5 J	<4 J	<4 J	NS	<6 R	<4 J	<4 J
TOC	(mg/l)	--		<3	<3	<3	<3	7.4	20.7	4.4	4.5	8.4	NS	5.6	<3	15.1
Phenolics, Total	(mg/l)	0.001	a	<0.005 J	<0.005 J	<0.005 J	<0.005 J	<0.005 J	<0.005 R	<0.005 J	<0.005 J	<0.005 J	NS	<0.005 J	<0.005 J	<0.005 J
Cyanide	(mg/l)	0.2	a, b	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS	<0.01	<0.01	<0.01

a - Part 703 Water Quality Standard (assumes Class GA waters)
b - Part 5 Drinking Water MCL
* Standard is for NH4+ and NH3 combined, as is the laboratory analysis
1.23 indicates contravention of standard.

-- not analyzed
NS - not sampled
J - estimated value
R - rejected during data validation

OB = overburden well
BR = Bedrock well

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

Towslee Landfill - Quarter 1 2012

Parameter	NYS Water Quality Standard		Total Metals												
			Upgradient		Downgradient										
			OB CD-1	BR CD-1RA	OB MW-1A	BR MW-1B	OB MW-2A	BR MW-2B	BR MW-3A	BR MW-3B	BR MW-4A	BR MW-5A	OB MW-6A	BR MW-6B	OB MW-7A
Aluminum	--		1.32	0.145	19.1	0.141	0.323	0.536	1.33	0.148	0.39	NS	3.91	<0.1	0.709
Antimony	0.003	a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	<0.005	<0.005
Arsenic	0.025	a	<0.005	<0.005	0.0115 J	<0.005	0.00679 BJ	<0.005	<0.005	<0.005	<0.005	NS	0.00689 BJ	<0.005	0.00582 BJ
Barium	1	a	0.106	0.243	0.273	0.222	0.259	**1.4**	0.627	0.339	**1.3**	NS	0.343	0.354	0.59
Beryllium	0.004	b	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	NS	<0.003	<0.003	<0.003
Boron	1	a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS	<0.5	<0.5	<0.5
Cadmium	0.005	a, b	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	<0.005	<0.005
Calcium	--		40.7	47.1	58.2	35	49.6	208	44.9	69	131	NS	58.8	40.8	149
Chromium	0.05	a	<0.01	<0.01	0.0267	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS	<0.01	<0.01	<0.01
Chrom, Hex	0.05	a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS	<0.01	<0.01	<0.01
Cobalt	--		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS	<0.02	<0.02	<0.02
Copper	0.2	a	<0.01	<0.01	0.0218	<0.01	<0.01	<0.01	<0.01	<0.01	0.0224	NS	<0.01	<0.01	<0.01
Iron	0.3	a, b	**2.04 J**	0.248 J	**33.7 J**	0.238 J	**2.9 J**	**1.11 J**	**1.77 J**	**0.386 J**	0.427 J	NS	**7.22 J**	1.05 J	**0.931 J**
Lead	0.015	b	<0.003	<0.003	0.0108	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	NS	<0.003	<0.003	<0.003
Magnesium	--		10.3	11.4	19.3	8.85	11.2	46.6	8.39	21.6	28.3	NS	12.2	10.8	36.8
Manganese	0.3	a, b	**1.62**	0.188	**0.691**	0.223	**6.81**	**6.23**	**0.802**	0.102	**1.75**	NS	**1.63**	0.0335	**1.62**
Mercury	0.0007	a	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NS	<0.0002	<0.0002	<0.0002
Nickel	0.1	a	<0.03	<0.03	0.0409	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	NS	<0.03	<0.03	<0.03
Potassium	--		<5	<5	<5	<5	6.33	<5	<5	<5	<5	NS	<5	<5	<5
Sodium	20	a, b	<5	6.24	15.6	9.91	11	**58.5**	<5	11.9	17.7	NS	19	16.5	**108**
Selenium	0.01	a	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	NS	<0.003	<0.003	<0.003
Silver	0.05	a	<0.01 J	<0.01 J	<0.01 J	<0.01 J	<0.01 J	<0.01 J	<0.01 J	<0.01 J	<0.01 J	NS	<0.01 J	<0.01 J	<0.01 J
Thallium	0.002	b	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	NS	<0.003	<0.003	<0.003
Vanadium	--		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	NS	<0.03	<0.03	<0.03
Zinc	5	b	0.0119	<0.01	0.0792	<0.01	<0.01	0.0177	0.0106	0.017	0.0154	NS	0.0235	<0.01	<0.01

a - Part 703 Water Quality Standard (assumes Class GA)
b - Part 5 Drinking Water MCL
1.23 indicates contravention of standard.

-- not analyzed
NS - not sampled
R - rejected during data validation

OB = overburden well
BR = Bedrock well

Table 3. Contraventions of NYS Water Quality Standards
for Organics
Towslee Landfill - Quarter 1 2012

Parameter *	NYS Water Quality Standard		Upgradient		Downgradient										
			OB CD-1	BR CD-1RA	OB MW-1A	BR MW-1B	OB MW-2A	BR MW-2B	BR MW-3A	BR MW-3B	BR MW-4A	BR MW-5A	OB MW-6A	BR MW-6B	OB MW-7A
Vinyl chloride	2	b	<5	<5	<5 J	<5 J	<5 J	**8 J**	<5	<5	<5	NS	<5	<5	<5
Chloroethane	5	b	<5	<5	<5	<5	<5	**4 J**	<5	<5	<5	NS	<5	<5	<5
Acetone	50	b	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS	<10	<10	<10
Methylene chloride	5	b	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5
trans-1,2-Dichloroethene	5	b	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5
cis-1,2-Dichloroethene	5	b	<5	<5	<5	<5	<5	**15**	<5	<5	<5	NS	<5	<5	**3 J**
1,1-Dichloroethane	5	b	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	**3 J**
Benzene	1	a	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5
Toluene	5	b	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5
Chlorobenzene	5	b	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5
Ethylbenzene	5	b	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5
Xylenes, Total	5	b	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5
1,4-Dichlorobenzene	5	b	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<5	<5	<5

all units are ug/l

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

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

b - Part 5 Drinking Water MCL

1.23 indicates contravention of standard.

J - Estimated, below detection limit

NS - Not sampled

Appendix A

Analytical Laboratory Results and Data Validation Summary

Cortland County Towslee Landfill

DATA VALIDATION
BASELINE PARAMETERS MONITORING
TOWSLEE LANDFILL

Collected March 2012
Volatile Organics
Metals
Leachate Indicators

Prepared for:
CORTLAND COUNTY SOIL and WATER CONSERVATION DISTRICT
100 Grange Place, Room 202
Cortland, NY 13045

Prepared by:

DATAVAL, Inc.
518 Hooper Rd., PMB 283
Endwell, NY 13760

DATA ASSESSMENT

A data package containing analytical results for 14 aqueous samples was received from the Cortland County Soil and Water Conservation District on 29May12. The samples were collected from the Towslee Landfill site between 19Mar12 and 21Mar12, as required by 6 NYCRR Part 360 (10/94). The ASP deliverables package included formal reports, raw data, the necessary QC, and supporting information for Baseline Parameters Monitoring. Samples were identified by Chain of Custody documents and trackable through the work of Upstate Laboratories, Inc., the laboratory contracted for analysis. Laboratory data was evaluated according to the Quality Assurance / Quality Control Requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol, September 1989, Rev. 07/2005. When the required protocols were not followed, the current EPA Region II Functional Guidelines (SOP NO. HW-24, Rev. #2, August 2008, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B, and SOP HW-2, Rev 13, September 2006, Evaluation of Metals Data for the Contract Laboratory Program) were used as a technical reference.

To satisfy the requirement for 5% data validation, data calculations relating to MW-2B, MW-2BMS, MW-2BMSD and MW-2BD were examined in detail. All available QA/QC information was then applied to an evaluation of every program sample.

Fourteen samples were collected on 20Mar12 and 21Mar12. The VOA volumes from seven of these points were collected on 19Mar12. Each group of samples was delivered to the laboratory the day they were collected. The samples arrived intact and properly chilled. Cooler temperatures between 0.7°C and 3.4°C were recorded at the time of sample receipt.

Proper sample preservation was documented in the field custody record and verified by the laboratory at the time of receipt. Although these checks were not documented, the Sample Receipt Check List indicates that each sample volume was properly stabilized. The pH of each VOA sample was recorded at the time of analysis to verify proper preservation.

LEACHATE INDICATORS

Test methods for the determination of Leachate Indicators utilize classical wet chemistry techniques. In most cases, these methods were performed well and demonstrated excellent quality control. Areas were program requirements were not completely satisfied are detailed below.

Biological Oxygen Demand (BOD)

The analysis of BOD samples was subcontracted to Phoenix Environmental laboratories, Inc. Although these determinations were reported with acceptable QC, the work was submitted without supporting raw data. The BOD results reported from this project have been qualified as estimations due to this omission.

It is also noted that MW-6A and MW-1A were held in the laboratory for five and six days, respectively, prior to analysis. Because the 1 day holding time limitation was grossly exceeded, the BOD results from this pair of samples have been rejected.

Chloride
Duplicate analyses of MW-1B produced chloride results that differed by 60%. The chloride results from this project have been qualified as estimations based on this indication of poor measurement precision.

Nitrate
A linear regression of the nitrate calibration standards produced a correlation coefficient of 0.9926, below the site requirement of 0.997. This was caused by extending a curve that was linear between 0-10 mg/l, to 20 mg/l. The lab compensated by fitting the points to a smooth curve. This treatment of a linear relationship is considered inappropriate. However, because the nitrate concentration reported from every sample was obtained from the linear region of the curve, data qualifications are not required.

Alkalinity
The alkalinity calibration curve produced a correlation of r=0.9953, below the requirement of 0.997. Because the linearity of this curve could not be improved by limiting its range, the alkalinity results from this group of samples have been qualified as estimations.

Total Kjeldahl Nitrogen (TKN)
MW-6A was originally analyzed for TKN on 22Mar12, producing a result of 1.16 mg/l. The sample was reanalyzed on 16Apr12 for no apparent reason. The second analysis produced a result of 0.221 mg/l which was reported. The TKN results from this project have been qualified as estimations based on this indication of poor measurement precision.

Bromide
The bromide spike to MW-2B produced a low recovery of 59.8%. The bromide results from this group of samples have been qualified as estimations based on this indication of negative bias.

It is also noted that the bromide chromatograms were not properly integrated, producing results that were biased high. This error had no impact on reported results. Bromide was not detected in this group of samples.

Low recoveries were reported for several bromide CRI standards. This performance was caused by a co-eluting negative peak and had no impact of reported data.

Phenolics
A high spiked blank (LCS) recovery of 154% and a positive blank indicated a potential positive bias in measurements of phenolics. This had no impact on reported data because each sample produced a negative result.

Duplicate phenolics spikes to MW-2B, however, produced recoveries of 71.8% and 0%. The phenolics results from this project have been qualified as estimations based on this performance. The phenolics result from MW-2B must be considered unreliable and should not be included in data tables.

Ammonia
The spiked blank (LCS) associated with the analysis of MW-2A produced a high ammonia recovery of 170%. The ammonia concentration reported from MW-2A has been qualified as an estimation based on this indication of bias.

MW-6A was held in the laboratory for 27 days prior to analysis. MW-1A and MW-2A were held for 32 days, exceeding the ASP limitation of 26 days. The ammonia results from these samples have been qualified as estimations due to this error.

INORGANICS

The analysis of each metal was associated with the appropriate quality control checks, as defined by ASP protocol. Areas where ASP requirements were not completely satisfied are discussed below.

Calibrations
Calibration curves are constructed, using certified materials, to define the linear range of each analytical instrument. Beyond this range measurements cannot be made with confidence. The calibration curve is immediately tested by analyzing an initial calibration verification standard (ICV). Continuing verifications (CCV) must bracket each group of up to ten samples. ICV and CCV recoveries must meet established criteria.

Each instrument calibration was immediately verified by the analysis of an ICV standard. Continuing calibration checks were made following each group of 10 samples. Although the results reported for these checks included unacceptable recoveries of potassium (89.3%), lead (87.8%,85.9%) and cyanide (115.4%,115.4%, 115.2%), this performance warrants no concern. The low potassium and lead results were not associated with samples from this program. Although a positive bias was indicated by the elevated cyanide recoveries, cyanide was not found in the associated samples.

Interference Check Sample (ICS)
ICS standards are analyzed at the beginning and end of each ICP analysis sequence to verify background and inter-element correction factors. The recoveries of specified analytes are measured in the presence of interfering concentrations of aluminum, calcium, magnesium and iron.

Interference check standards, ICSA and ICSAB, were reported from the beginning and end of each ICP analysis sequence. The ICS performance associated with this group of samples included one elevated recovery of silver (123.8%). This performance had no

impact on reported data because silver was not detected in this group of samples.

Predigestion Spike
The recovery of spike concentrations added to samples prior to digestion and analysis demonstrates measurement bias caused by sample matrix effects. Predigestion spikes must be recovered within control limits of 75% - 125%.

MW-2B was selected for matrix spiking. The recoveries reported for the additions to this sample included a high result for arsenic (143.8%) and a low silver (57.5%) recovery. The negative silver result from each program sample has been qualified as an estimation based on this indication of negative bias. The arsenic concentrations found in MW-6A, MW-1A, MW-2A and MW-7A have also been qualified.

Duplicates
Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

MW-2B was analyzed as a laboratory split duplicate. The iron concentrations obtained from this pair of samples differed by 20.5%. The iron results from this group of samples have been qualified as estimations based on this performance.

VOLATILE ORGANICS

Each VOA analysis incorporates several quality assurance checks to demonstrate the precision and accuracy of laboratory measurements. These include the addition of surrogates and internal standards to every calibration standard, blank and program sample. A matrix spiked sample, a matrix spiked duplicate, and a matrix spiked blank are also analyzed with each group of samples. ASP protocol defines acceptance criteria for each of these evaluations. The results reported by the laboratory satisfied most program requirements. Areas where program requirements were not satisfied are detailed below.

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

The initial instrument calibration was performed on 02Mar12. Standards of 3, 10, 20, 50, 100 and 200 µg/l were included. Although each targeted analyte produced the required levels of response during the this calibration, bromomethane demonstrated poor linearity. Although errors might be expected in measurements

of this analyte, it may be assumed that bromomethane would be detected if present in samples. Because bromomethane was not found in program samples, data has been left unqualified.

Calibration verification standards were run on 26Mar12 and 27Mar12, prior to the analysis of program samples. In most cases, these checks demonstrated an acceptable level of instrument stability. An unacceptable shift was observed in the response of vinyl chloride during the check on 27Mar12. The vinyl chloride results from MW-1A, MW-1B, MW-2A, MW-2B, the Duplicate, and the Scale House sample have been qualified as estimations based on this performance.

CORRECTNESS AND USABILITY

The results reported from this group of samples should be considered technically correct in their present form. Data presenting a usable estimation of the conditions being measured has been flagged "J", "UJ" or "BJ". Data considered to be unreliable has been identified with a single red line and flagged "R". Rejected data should not be included in data tables. Estimated data should be used with caution.

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

Reviewer's signature: James B. Baldwin Date: 31 May 12

James B. Baldwin

QUALIFIED DATA
TOWSLEE LANDFILL
SAMPLED MARCH 2012

	SUB CONTRACT BOD	PRECISION CHLORIDE	CALIBRATE ALKALINITY	PRECISION TKN	SPIKE BROMIDE	SPIKE PHENOLICS	HOLD TIME AMMONIA
CD-1	6.0UJ	1.0UJ	130J	0.50UJ	0.8UJ	0.005UJ	
CD-1RA	4.0UJ	1.43J	140J	0.50UJ	0.8UJ	0.005UJ	
MW-3A	5.0J	1.88J	130J	0.50UJ	0.8UJ	0.005UJ	
MW-3B	4.0UJ	23.8J	260J	0.50UJ	0.8UJ	0.005UJ	
MW-4A	4.0UJ	21.5J	460J	0.50UJ	0.8UJ	0.005UJ	
MW-6A	REJECT	8.86J	200J	1.16J	8.0UJ	0.005UJ	0.50UJ
MW-6B	4.0UJ	16.2J	140J	0.50UJ	0.8UJ	0.005UJ	
MW-1A	REJECT	33.9J	130J	0.994J	8.0UJ	0.005UJ	0.50UJ
MW-1B	4.0UJ	6.68J	110J	0.50UJ	0.8UJ	0.005UJ	
MW-2A	6.0UJ	8.96J	260J	4.95J	8.0UJ	0.005UJ	5.32J
MW-2B	4.0UJ	123J	490J	0.50UJ	0.8UJ	REJECT	
MW-7A	4.0UJ	99.4J	500J	0.50UJ	80UJ	0.005UJ	
DUPE	4.0UJ	5.84J	99J	0.50UJ	0.8UJ	0.005UJ	
S.HOUSE	4.0UJ	14.0J	110J	0.50UJ	0.8UJ	0.005UJ	

QUALIFIED DATA
TOWSLEE LANDFILL
SAMPLED MARCH 2012

	SPIKE ARSENIC	SPIKE SILVER	DUPLICATES IRON	CALIBRATE VINYL CHLORIDE
CD-1		10UJ	2040J	
CD-1RA		10UJ	248J	
MW-3A		10UJ	1770J	
MW-3B		10UJ	386J	
MW-4A		10UJ	427J	
MW-6Adis		10UJ	60.0UJ	
MW-6A	6.89BJ	10UJ	7220J	
MW-6B		10UJ	1050J	
MW-1Adis		10UJ	102J	
MW-1A	11.5J	10UJ	33700J	5.0UJ
MW-1B		10UJ	238J	5.0UJ
MW-2A	6.79BJ	10UJ	2900J	5.0UJ
MW-2B		10UJ	1110J	8.0J
MW-7A	5.82BJ	10UJ	931J	
DUPE		10UJ	428J	5.0UJ
S.HOUSE		10UJ	186J	5.0UJ

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 169 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 239-4413 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 581-4285

Mr. Patrick Reidy
Cortland Co. Soil and Water Cons. Dist.
100 Grange Place
Room 202
Cortland, NY 13045
(607) 753-0851

Wednesday, April 25, 2012

RE: Analytical Report:
Towslee Landfill

Order No.: U1203406

Dear Mr. Patrick Reidy:

Upstate Laboratories, Inc. received 34 sample(s) on 3/21/2012 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.
Anthony J. Scala
Anthony J. Scala
President/CEO

CC:
Encls: (ASP-B,rept,f.data on disk), invoice
J. Baldwin, Dataval Inc.: ASP-B Pkg.

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1
Lab Order:	U1203406	**Collection Date:**	3/19/2012 2:01:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 2:04:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 2:04:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 2:04:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 2:04:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 2:04:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 2:04:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1
Lab Order:	U1203406	**Collection Date:**	3/19/2012 2:01:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 2:04:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 2:04:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 2:04:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1RA
Lab Order:	U1203406	**Collection Date:**	3/19/2012 1:56:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 2:43:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 2:43:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 2:43:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 2:43:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 2:43:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 2:43:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1RA
Lab Order:	U1203406	**Collection Date:**	3/19/2012 1:56:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 2:43:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 2:43:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 2:43:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U1203406	**Collection Date:**	3/19/2012 2:41:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 3:21:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 3:21:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 3:21:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 3:21:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 3:21:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 3:21:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U1203406	**Collection Date:**	3/19/2012 2:41:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 3:21:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 3:21:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 3:21:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3B
Lab Order:	U1203406	**Collection Date:**	3/19/2012 2:44:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 3:59:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 3:59:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 3:59:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 3:59:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 3:59:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 3:59:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3B
Lab Order:	U1203406	**Collection Date:**	3/19/2012 2:44:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 3:59:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 3:59:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 3:59:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-4A
Lab Order:	U1203406	**Collection Date:**	3/19/2012 2:32:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 4:37:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 4:37:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 4:37:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 4:37:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 4:37:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 4:37:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-4A
Lab Order:	U1203406	**Collection Date:**	3/19/2012 2:32:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 4:37:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 4:37:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 4:37:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6A
Lab Order:	U1203406	**Collection Date:**	3/19/2012 1:40:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 5:16:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 5:16:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 5:16:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 5:16:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 5:16:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 5:16:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6A
Lab Order:	U1203406	**Collection Date:**	3/19/2012 1:40:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 5:16:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 5:16:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 5:16:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: *DH* **Date:** *4-25-12*

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U1203406	**Collection Date:**	3/19/2012 1:45:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 5:54:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 5:54:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 5:54:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 5:54:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 5:54:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 5:54:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U1203406	**Collection Date:**	3/19/2012 1:45:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 5:54:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 5:54:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 5:54:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:40:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 1:25:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 1:25:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 1:25:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 1:25:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 1:25:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 1:25:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:40:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 1:25:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 1:25:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 1:25:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	ULI Trip Blank
Lab Order:	U1203406	**Collection Date:**	3/19/2012
Project:	Towslee Landfill		
Lab ID:	U1203406-009	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 6:32:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 6:32:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 6:32:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 6:32:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 6:32:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 6:32:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	ULI Trip Blank
Lab Order:	U1203406	**Collection Date:**	3/19/2012
Project:	Towslee Landfill		
Lab ID:	U1203406-009	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 6:32:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 6:32:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 6:32:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:25:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-010	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	274	1.0		umhos/cm		3/20/2012 11:25:00 AM
Eh	179	-300		mV		3/20/2012 11:25:00 AM
pH	7.89	2-12.5		SU		3/20/2012 11:25:00 AM
SWL	6.43			ft		3/20/2012 11:25:00 AM
Temperature	18.2			°C		3/20/2012 11:25:00 AM
Turbidity	46.2	5.0		NTU		3/20/2012 11:25:00 AM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **CAC**
Bromide	ND	0.8		mg/L	1	3/21/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	1320	100		µg/L	1	4/12/2012 2:58:20 PM
Barium	106	50.0		µg/L	1	4/12/2012 2:58:20 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 2:58:20 PM
Boron	ND	500		µg/L	1	4/11/2012 3:19:41 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 2:58:20 PM
Calcium	40700	5000		µg/L	1	4/12/2012 2:58:20 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 2:58:20 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 2:58:20 PM
Copper	ND	10.0		µg/L	1	4/12/2012 2:58:20 PM
Iron	2040	60.0		µg/L	1	4/12/2012 2:58:20 PM
Magnesium	10300	5000		µg/L	1	4/12/2012 2:58:20 PM
Manganese	1620	10.0		µg/L	1	4/12/2012 2:58:20 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 2:58:20 PM
Potassium	ND	5000		µg/L	1	4/12/2012 2:58:20 PM
Silver	ND	10.0		µg/L	1	4/12/2012 2:58:20 PM
Sodium	ND	5000		µg/L	1	4/12/2012 2:58:20 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 2:58:20 PM
Zinc	11.9	10.0		µg/L	1	4/12/2012 2:58:20 PM
Hardness, Total(CaCO3)	144000	7000		µg/L	1	4/12/2012 2:58:20 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:25:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-010	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:12:50 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	130	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	6.0		mg/L	1	3/21/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	ND	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/26/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/27/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	3/29/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	6.00	5.00		UNITS	1	3/21/2012 7:30:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 9:29:00 AM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:25:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-010	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	3/22/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	0.055	0.050		mg/L	1	3/21/2012 8:20:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/22/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/23/2012 8:17:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	15.6	5.00		mg/L	1	3/21/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	180	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 3/21/2012 10:30:00 AM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/22/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	ND	3.0		mg/L	1	3/27/2012

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1RA
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:18:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	299	1.0		umhos/cm		3/20/2012 11:18:00 AM
Eh	180	-300		mV		3/20/2012 11:18:00 AM
pH	7.98	2-12.5		SU		3/20/2012 11:18:00 AM
SWL	3.00			ft		3/20/2012 11:18:00 AM
Temperature	17.7			°C		3/20/2012 11:18:00 AM
Turbidity	20.3	5.0		NTU		3/20/2012 11:18:00 AM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **CAC**
Bromide	ND	0.8		mg/L	1	3/21/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	145	100		µg/L	1	4/12/2012 3:06:59 PM
Barium	243	50.0		µg/L	1	4/12/2012 3:06:59 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 3:06:59 PM
Boron	ND	500		µg/L	1	4/11/2012 3:24:22 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 3:06:59 PM
Calcium	47100	5000		µg/L	1	4/12/2012 3:06:59 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 3:06:59 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 3:06:59 PM
Copper	ND	10.0		µg/L	1	4/12/2012 3:06:59 PM
Iron	248	60.0		µg/L	1	4/12/2012 3:06:59 PM
Magnesium	11400	5000		µg/L	1	4/12/2012 3:06:59 PM
Manganese	188	10.0		µg/L	1	4/12/2012 3:06:59 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 3:06:59 PM
Potassium	ND	5000		µg/L	1	4/12/2012 3:06:59 PM
Silver	ND	10.0		µg/L	1	4/12/2012 3:06:59 PM
Sodium	6240	5000		µg/L	1	4/12/2012 3:06:59 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 3:06:59 PM
Zinc	ND	10.0		µg/L	1	4/12/2012 3:06:59 PM
Hardness, Total(CaCO3)	164000	7000		µg/L	1	4/12/2012 3:06:59 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1RA
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:18:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:14:48 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	140	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/21/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	1.43	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/26/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/27/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	3/29/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/21/2012 7:30:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 9:29:00 AM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	CD-1RA
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:18:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	3/22/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	0.079	0.050		mg/L	1	3/21/2012 8:20:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/22/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/23/2012 8:17:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	15.8	5.00		mg/L	1	3/21/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	150	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 3/21/2012 10:30:00 AM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/22/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	ND	3.0		mg/L	1	3/24/2012

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:45:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-012	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	284	1.0		umhos/cm		3/20/2012 11:45:00 AM
Eh	194	-300		mV		3/20/2012 11:45:00 AM
pH	7.27	2-12.5		SU		3/20/2012 11:45:00 AM
SWL	6.57			ft		3/20/2012 11:45:00 AM
Temperature	17.7			°C		3/20/2012 11:45:00 AM
Turbidity	29.9	5.0		NTU		3/20/2012 11:45:00 AM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **CAC**
Bromide	ND	0.8		mg/L	1	3/21/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	1330	100		µg/L	1	4/12/2012 3:15:37 PM
Barium	627	50.0		µg/L	1	4/12/2012 3:15:37 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 3:15:37 PM
Boron	ND	500		µg/L	1	4/11/2012 3:29:02 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 3:15:37 PM
Calcium	44900	5000		µg/L	1	4/12/2012 3:15:37 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 3:15:37 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 3:15:37 PM
Copper	ND	10.0		µg/L	1	4/12/2012 3:15:37 PM
Iron	1770	60.0		µg/L	1	4/12/2012 3:15:37 PM
Magnesium	8390	5000		µg/L	1	4/12/2012 3:15:37 PM
Manganese	802	10.0		µg/L	1	4/12/2012 3:15:37 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 3:15:37 PM
Potassium	ND	5000		µg/L	1	4/12/2012 3:15:37 PM
Silver	ND	10.0		µg/L	1	4/12/2012 3:15:37 PM
Sodium	ND	5000		µg/L	1	4/12/2012 3:15:37 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 3:15:37 PM
Zinc	10.6	10.0		µg/L	1	4/12/2012 3:15:37 PM
Hardness, Total(CaCO3)	147000	7000		µg/L	1	4/12/2012 3:15:37 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:45:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-012	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:16:46 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	130	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	5.0	4.0		mg/L	1	3/21/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	1.88	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/26/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/27/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	3/29/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	11.0	5.00		UNITS	1	3/21/2012 7:30:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 9:29:00 AM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:45:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-012	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	3/22/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	3/21/2012 8:20:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/22/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/23/2012 8:17:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	ND	5.00		mg/L	1	3/21/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	140	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 3/21/2012 10:30:00 AM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/22/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	4.4	3.0		mg/L	1	3/24/2012

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3B
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:52:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-013	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	482	1.0		umhos/cm		3/20/2012 11:52:00 AM
Eh	203	-300		mV		3/20/2012 11:52:00 AM
pH	7.04	2-12.5		SU		3/20/2012 11:52:00 AM
SWL	12.59			ft		3/20/2012 11:52:00 AM
Temperature	15.8			°C		3/20/2012 11:52:00 AM
Turbidity	13.2	5.0		NTU		3/20/2012 11:52:00 AM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **CAC**
Bromide	ND	0.8		mg/L	1	3/21/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	148	100		µg/L	1	4/12/2012 3:22:19 PM
Barium	339	50.0		µg/L	1	4/12/2012 3:22:19 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 3:22:19 PM
Boron	ND	500		µg/L	1	4/11/2012 3:33:42 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 3:22:19 PM
Calcium	69000	5000		µg/L	1	4/12/2012 3:22:19 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 3:22:19 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 3:22:19 PM
Copper	ND	10.0		µg/L	1	4/12/2012 3:22:19 PM
Iron	386	60.0		µg/L	1	4/12/2012 3:22:19 PM
Magnesium	21600	5000		µg/L	1	4/12/2012 3:22:19 PM
Manganese	102	10.0		µg/L	1	4/12/2012 3:22:19 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 3:22:19 PM
Potassium	ND	5000		µg/L	1	4/12/2012 3:22:19 PM
Silver	ND	10.0		µg/L	1	4/12/2012 3:22:19 PM
Sodium	11900	5000		µg/L	1	4/12/2012 3:22:19 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 3:22:19 PM
Zinc	17.0	10.0		µg/L	1	4/12/2012 3:22:19 PM
Hardness, Total(CaCO3)	262000	7000		µg/L	1	4/12/2012 3:22:19 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3B
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:52:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-013	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:18:45 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	260	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/21/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	23.8	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/26/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/27/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	3/29/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/21/2012 7:30:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 9:29:00 AM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3B
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:52:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-013	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	3/22/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	3/21/2012 8:20:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/23/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/23/2012 8:17:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	8.70	5.00		mg/L	1	3/21/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	250	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 3/21/2012 10:30:00 AM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/22/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	4.5	3.0		mg/L	1	3/24/2012

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-4A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:39:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-014	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	762	1.0		umhos/cm		3/20/2012 11:39:00 AM
Eh	193	-300		mV		3/20/2012 11:39:00 AM
pH	7.10	2-12.5		SU		3/20/2012 11:39:00 AM
SWL	6.94			ft		3/20/2012 11:39:00 AM
Temperature	14.6			°C		3/20/2012 11:39:00 AM
Turbidity	35.0	5.0		NTU		3/20/2012 11:39:00 AM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **CAC**
Bromide	ND	0.8		mg/L	1	3/21/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	390	100		µg/L	1	4/12/2012 3:31:06 PM
Barium	1300	50.0		µg/L	1	4/12/2012 3:31:06 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 3:31:06 PM
Boron	ND	500		µg/L	1	4/11/2012 3:38:21 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 3:31:06 PM
Calcium	131000	5000		µg/L	1	4/12/2012 3:31:06 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 3:31:06 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 3:31:06 PM
Copper	22.4	10.0		µg/L	1	4/12/2012 3:31:06 PM
Iron	427	60.0		µg/L	1	4/12/2012 3:31:06 PM
Magnesium	28300	5000		µg/L	1	4/12/2012 3:31:06 PM
Manganese	1750	10.0		µg/L	1	4/12/2012 3:31:06 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 3:31:06 PM
Potassium	ND	5000		µg/L	1	4/12/2012 3:31:06 PM
Silver	ND	10.0		µg/L	1	4/12/2012 3:31:06 PM
Sodium	17700	5000		µg/L	1	4/12/2012 3:31:06 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 3:31:06 PM
Zinc	15.4	10.0		µg/L	1	4/12/2012 3:31:06 PM
Hardness, Total(CaCO3)	444000	7000		µg/L	1	4/12/2012 3:31:06 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-4A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:39:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-014	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:25:11 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	460	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/21/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	21.5	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/26/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/27/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	3/29/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/21/2012 7:30:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 9:29:00 AM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-4A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:39:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-014	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	3/22/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	3/21/2012 8:20:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/23/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/23/2012 8:17:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	7.00	5.00		mg/L	1	3/21/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	460	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 3/21/2012 10:30:00 AM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/22/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	8.4	3.0		mg/L	1	3/24/2012

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 10:59:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-015	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	415	1.0		umhos/cm		3/20/2012 10:59:00 AM
Eh	193	-300		mV		3/20/2012 10:59:00 AM
pH	7.38	2-12.5		SU		3/20/2012 10:59:00 AM
SWL	12.42			ft		3/20/2012 10:59:00 AM
Temperature	23.8			°C		3/20/2012 10:59:00 AM
Turbidity	922.0	5.0		NTU		3/20/2012 10:59:00 AM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **CAC**
Bromide	ND	8.0		mg/L	10	3/21/2012
NOTES: The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	3910	100		µg/L	1	4/12/2012 3:39:46 PM
Barium	343	50.0		µg/L	1	4/12/2012 3:39:46 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 3:39:46 PM
Boron	ND	500		µg/L	1	4/11/2012 3:43:01 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 3:39:46 PM
Calcium	58800	5000		µg/L	1	4/12/2012 3:39:46 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 3:39:46 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 3:39:46 PM
Copper	ND	10.0		µg/L	1	4/12/2012 3:39:46 PM
Iron	7220	60.0		µg/L	1	4/12/2012 3:39:46 PM
Magnesium	12200	5000		µg/L	1	4/12/2012 3:39:46 PM
Manganese	1630	10.0		µg/L	1	4/12/2012 3:39:46 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 3:39:46 PM
Potassium	ND	5000		µg/L	1	4/12/2012 3:39:46 PM
Silver	ND	10.0		µg/L	1	4/12/2012 3:39:46 PM
Sodium	19000	5000		µg/L	1	4/12/2012 3:39:46 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 3:39:46 PM
Zinc	23.5	10.0		µg/L	1	4/12/2012 3:39:46 PM
Hardness, Total(CaCO3)	197000	7000		µg/L	1	4/12/2012 3:39:46 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 10:59:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-015	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	6.89	5.00		µg/L	1	4/10/2012 2:14:27 PM
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:27:11 PM
ICP METALS, DISSOLVED BY NYSDEC ASP 2005					**200.7WDASP**	Analyst: **ALW**
(Prep Code: 200.7DPRASP	Prep Date: 3/28/2012 11:22:16 AM				Prep By: ARO)	
Aluminum	ND	100		µg/L	1	4/12/2012 6:11:00 PM
Barium	246	50.0		µg/L	1	4/12/2012 6:11:00 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 6:11:00 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 6:11:00 PM
Calcium	53700	5000		µg/L	1	4/12/2012 6:11:00 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 6:11:00 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 6:11:00 PM
Copper	ND	10.0		µg/L	1	4/12/2012 6:11:00 PM
Iron	ND	60.0		µg/L	1	4/12/2012 6:11:00 PM
Magnesium	9950	5000		µg/L	1	4/12/2012 6:11:00 PM
Manganese	836	10.0		µg/L	1	4/12/2012 6:11:00 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 6:11:00 PM
Potassium	ND	5000		µg/L	1	4/12/2012 6:11:00 PM
Silver	ND	10.0		µg/L	1	4/12/2012 6:11:00 PM
Sodium	18000	5000		µg/L	1	4/12/2012 6:11:00 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 6:11:00 PM
Zinc	13.2	10.0		µg/L	1	4/12/2012 6:11:00 PM

NOTES:
Dissolved Metals filtered in Laboratory on 3/28/2012 at 8:30am.

ICPMS METALS, DISSOLVED BY NYSDEC ASP 2005					**200.8_D_ASP**	Analyst: **ALW**
(Prep Code: 200.8DPRASP	Prep Date: 3/28/2012 11:22:54 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 10:59:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-015	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICPMS METALS, DISSOLVED BY NYSDEC ASP 2005					**200.8_D_ASP**	Analyst: **ALW**
(Prep Code: 200.8DPRASP Prep Date: 3/28/2012 11:22:54 AM Prep By: ARO)						
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
NOTES: Dissolved Metals filtered in Laboratory on 3/28/2012 at 8:30am.						
DISSOLVED MERCURY WATERS ASP					**245.2WDASP**	Analyst: **LET**
(Prep Code: 245.2DPRASP Prep Date: 3/28/2012 11:25:13 AM Prep By: ARO)						
Mercury	ND	0.200		µg/L	1	4/16/2012 2:03:06 PM
NOTES: Dissolved Metals filtered in Laboratory on 3/28/12 at 8:30AM.						
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	200	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	6.0		mg/L	1	3/26/2012 10:30:00 PM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	8.86	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP Prep Date: 3/26/2012 Prep By: SKC)						
Cyanide	ND	10.0		µg/L	1	3/27/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	3/29/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/21/2012 7:30:00 AM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 10:59:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-015	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 9:29:00 AM
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	4/16/2012
NOTES: Sample reanalyzed over the holding time; original analysis was within the holding time.						
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	0.094	0.050		mg/L	1	3/21/2012 8:20:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/23/2012)					**PHENOL_W** (Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/23/2012 8:17:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	13.8	5.00		mg/L	1	3/21/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	230	50		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 3/21/2012 10:30:00 AM)					**TKN_W_AUTO** (Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	1.16	0.500		mg/L	1	3/22/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	5.6	3.0		mg/L	1	3/24/2012

Approved By: DH **Date:** 4-25-12

Qualifiers:

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**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:06:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-016	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	344	1.0		umhos/cm		3/20/2012 11:06:00 AM
Eh	190	-300		mV		3/20/2012 11:06:00 AM
pH	7.30	2-12.5		SU		3/20/2012 11:06:00 AM
SWL	12.53			ft		3/20/2012 11:06:00 AM
Temperature	18.5			°C		3/20/2012 11:06:00 AM
Turbidity	6.83	5.0		NTU		3/20/2012 11:06:00 AM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **CAC**
Bromide	ND	0.8		mg/L	1	3/21/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	ND	100		µg/L	1	4/12/2012 3:48:29 PM
Barium	354	50.0		µg/L	1	4/12/2012 3:48:29 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 3:48:29 PM
Boron	ND	500		µg/L	1	4/11/2012 3:47:42 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 3:48:29 PM
Calcium	40800	5000		µg/L	1	4/12/2012 3:48:29 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 3:48:29 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 3:48:29 PM
Copper	ND	10.0		µg/L	1	4/12/2012 3:48:29 PM
Iron	1050	60.0		µg/L	1	4/12/2012 3:48:29 PM
Magnesium	10800	5000		µg/L	1	4/12/2012 3:48:29 PM
Manganese	33.5	10.0		µg/L	1	4/12/2012 3:48:29 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 3:48:29 PM
Potassium	ND	5000		µg/L	1	4/12/2012 3:48:29 PM
Silver	ND	10.0		µg/L	1	4/12/2012 3:48:29 PM
Sodium	16500	5000		µg/L	1	4/12/2012 3:48:29 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 3:48:29 PM
Zinc	ND	10.0		µg/L	1	4/12/2012 3:48:29 PM
Hardness, Total(CaCO3)	146000	7000		µg/L	1	4/12/2012 3:48:29 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

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**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:06:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-016	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:29:11 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	140	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/21/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	16.2	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/26/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/27/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	3/29/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/21/2012 7:30:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 9:29:00 AM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U1203406	**Collection Date:**	3/20/2012 11:06:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-016	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	3/22/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	0.073	0.050		mg/L	1	3/21/2012 8:20:00 AM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A					**PHENOL_W**	Analyst: **SAB**
(Prep Code: PHENOL_WPR Prep Date: 3/23/2012					Prep By: SAB)	
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/23/2012 8:17:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	21.5	5.00		mg/L	1	3/21/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	170	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2					**TKN_W_AUTO**	Analyst: **GWL**
(Prep Code: TKN_WPR Prep Date: 3/21/2012 10:30:00 AM					Prep By: GWL)	
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/22/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	ND	3.0		mg/L	1	3/24/2012

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-7A
Lab Order: U1203406
Collection Date: 3/20/2012 2:23:00 PM
Project: Towslee Landfill
Lab ID: U1203406-017
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Bromomethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Chloroethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Acetone	ND	10		µg/L	1	3/26/2012 7:11:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Iodomethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Acrylonitrile	ND	100		µg/L	1	3/26/2012 7:11:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,1-Dichloroethane	3.0	5.0	J	µg/L	1	3/26/2012 7:11:00 PM
Vinyl acetate	ND	50		µg/L	1	3/26/2012 7:11:00 PM
2-Butanone	ND	10		µg/L	1	3/26/2012 7:11:00 PM
cis-1,2-Dichloroethene	2.9	5.0	J	µg/L	1	3/26/2012 7:11:00 PM
Chloroform	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Benzene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2012 7:11:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Toluene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
2-Hexanone	ND	10		µg/L	1	3/26/2012 7:11:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U1203406	**Collection Date:**	3/20/2012 2:23:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-017	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
o-Xylene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Styrene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
Bromoform	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/26/2012 7:11:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/26/2012 7:11:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/26/2012 7:11:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	ULI Trip Blank
Lab Order:	U1203406	**Collection Date:**	3/20/2012
Project:	Towslee Landfill		
Lab ID:	U1203406-018	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Chloroethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 1:05:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 1:05:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 1:05:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 1:05:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 1:05:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 1:05:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	ULI Trip Blank
Lab Order:	U1203406	**Collection Date:**	3/20/2012
Project:	Towslee Landfill		
Lab ID:	U1203406-018	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 1:05:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 1:05:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 1:05:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U1203406	**Collection Date:**	3/20/2012 6:05:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-019	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Chloroethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 1:45:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 1:45:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 1:45:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 1:45:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 1:45:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 1:45:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM

Approved By: PH **Date:** 4.25.12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U1203406	**Collection Date:**	3/20/2012 6:05:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-019	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 1:45:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 1:45:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 1:45:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:32:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-020	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	401	1.0		umhos/cm		3/21/2012 1:32:00 PM
Eh	116	-300		mV		3/21/2012 1:32:00 PM
pH	7.91	2-12.5		SU		3/21/2012 1:32:00 PM
SWL	Artesian			ft		3/21/2012 1:32:00 PM
Temperature	19.8			°C		3/21/2012 1:32:00 PM
Turbidity	572.0	5.0		NTU		3/21/2012 1:32:00 PM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **BY**
Bromide	ND	8.0		mg/L	10	3/28/2012
NOTES: The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	19100	100		µg/L	1	4/12/2012 3:57:08 PM
Barium	273	50.0		µg/L	1	4/12/2012 3:57:08 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 3:57:08 PM
Boron	ND	500		µg/L	1	4/11/2012 3:52:22 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 3:57:08 PM
Calcium	58200	5000		µg/L	1	4/12/2012 3:57:08 PM
Chromium	26.7	10.0		µg/L	1	4/12/2012 3:57:08 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 3:57:08 PM
Copper	21.8	10.0		µg/L	1	4/12/2012 3:57:08 PM
Iron	33700	60.0		µg/L	1	4/12/2012 3:57:08 PM
Magnesium	19300	5000		µg/L	1	4/12/2012 3:57:08 PM
Manganese	691	10.0		µg/L	1	4/12/2012 3:57:08 PM
Nickel	40.9	30.0		µg/L	1	4/12/2012 3:57:08 PM
Potassium	ND	5000		µg/L	1	4/12/2012 3:57:08 PM
Silver	ND	10.0		µg/L	1	4/12/2012 3:57:08 PM
Sodium	15600	5000		µg/L	1	4/12/2012 3:57:08 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 3:57:08 PM
Zinc	79.2	10.0		µg/L	1	4/12/2012 3:57:08 PM
Hardness, Total(CaCO3)	225000	7000		µg/L	1	4/12/2012 3:57:08 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-1A
Lab Order: U1203406
Collection Date: 3/21/2012 1:32:00 PM
Project: Towslee Landfill
Lab ID: U1203406-020
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	11.5	5.00		µg/L	1	4/10/2012 2:14:27 PM
Lead	10.8	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:31:13 PM
ICP METALS, DISSOLVED BY NYSDEC ASP 2005					**200.7WDASP**	Analyst: **ALW**
(Prep Code: 200.7DPRASP	Prep Date: 3/28/2012 11:22:16 AM				Prep By: ARO)	
Aluminum	ND	100		µg/L	1	4/12/2012 6:17:43 PM
Barium	74.2	50.0		µg/L	1	4/12/2012 6:17:43 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 6:17:43 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 6:17:43 PM
Calcium	47800	5000		µg/L	1	4/12/2012 6:17:43 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 6:17:43 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 6:17:43 PM
Copper	ND	10.0		µg/L	1	4/12/2012 6:17:43 PM
Iron	102	60.0		µg/L	1	4/12/2012 6:17:43 PM
Magnesium	11300	5000		µg/L	1	4/12/2012 6:17:43 PM
Manganese	32.7	10.0		µg/L	1	4/12/2012 6:17:43 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 6:17:43 PM
Potassium	ND	5000		µg/L	1	4/12/2012 6:17:43 PM
Silver	ND	10.0		µg/L	1	4/12/2012 6:17:43 PM
Sodium	14300	5000		µg/L	1	4/12/2012 6:17:43 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 6:17:43 PM
Zinc	10.7	10.0		µg/L	1	4/12/2012 6:17:43 PM

NOTES:
Dissolved Metals filtered in Laboratory on 3/28/2012 at 8:30am.

ICPMS METALS, DISSOLVED BY NYSDEC ASP 2005					**200.8_D_ASP**	Analyst: **ALW**
(Prep Code: 200.8DPRASP	Prep Date: 3/28/2012 11:22:54 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:32:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-020	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICPMS METALS, DISSOLVED BY NYSDEC ASP 2005					**200.8_D_ASP**	Analyst: **ALW**
(Prep Code: 200.8DPRASP Prep Date: 3/28/2012 11:22:54 AM Prep By: ARO)						
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
NOTES: Dissolved Metals filtered in Laboratory on 3/28/2012 at 8:30am.						
DISSOLVED MERCURY WATERS ASP					**245.2WDASP**	Analyst: **LET**
(Prep Code: 245.2DPRASP Prep Date: 3/28/2012 11:25:13 AM Prep By: ARO)						
Mercury	ND	0.200		µg/L	1	4/16/2012 2:05:02 PM
NOTES: Dissolved Metals filtered in Laboratory on 3/28/12 at 8:30AM.						
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	130	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/28/2012 9:00:00 PM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	33.9	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP Prep Date: 3/26/2012 Prep By: SKC)						
Cyanide	ND	10.0		µg/L	1	3/27/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	4/3/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	6.00	5.00		UNITS	1	3/22/2012 7:55:00 AM

Approved By: PH **Date:** 4.25.12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:32:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-020	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 4:35:00 PM
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	4/22/2012
NOTES: Sample reanalyzed over the holding time; original analysis was within the holding time.						
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	3/21/2012 3:55:00 PM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/24/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/28/2012 10:32:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	11.4	5.00		mg/L	1	3/23/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	190	50		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 4/5/2012 2:19:46 PM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	0.994	0.500		mg/L	1	4/5/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	ND	3.0		mg/L	1	3/24/2012

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:38:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-021	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	279	1.0		umhos/cm		3/21/2012 1:38:00 PM
Eh	115	-300		mV		3/21/2012 1:38:00 PM
pH	7.93	2-12.5		SU		3/21/2012 1:38:00 PM
SWL	Artesian			ft		3/21/2012 1:38:00 PM
Temperature	22.8			°C		3/21/2012 1:38:00 PM
Turbidity	9.46	5.0		NTU		3/21/2012 1:38:00 PM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **BY**
Bromide	ND	0.8		mg/L	1	3/28/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	141	100		µg/L	1	4/12/2012 4:05:48 PM
Barium	222	50.0		µg/L	1	4/12/2012 4:05:48 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 4:05:48 PM
Boron	ND	500		µg/L	1	4/11/2012 3:57:02 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 4:05:48 PM
Calcium	35000	5000		µg/L	1	4/12/2012 4:05:48 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 4:05:48 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 4:05:48 PM
Copper	ND	10.0		µg/L	1	4/12/2012 4:05:48 PM
Iron	238	60.0		µg/L	1	4/12/2012 4:05:48 PM
Magnesium	8850	5000		µg/L	1	4/12/2012 4:05:48 PM
Manganese	223	10.0		µg/L	1	4/12/2012 4:05:48 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 4:05:48 PM
Potassium	ND	5000		µg/L	1	4/12/2012 4:05:48 PM
Silver	ND	10.0		µg/L	1	4/12/2012 4:05:48 PM
Sodium	9910	5000		µg/L	1	4/12/2012 4:05:48 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 4:05:48 PM
Zinc	ND	10.0		µg/L	1	4/12/2012 4:05:48 PM
Hardness, Total(CaCO3)	124000	7000		µg/L	1	4/12/2012 4:05:48 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:38:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-021	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:33:13 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	110	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/22/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	6.68	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/30/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/30/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	4/3/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/22/2012 7:55:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 4:35:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:38:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-021	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	4/5/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	3/21/2012 3:55:00 PM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/24/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/28/2012 10:32:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	5.80	5.00		mg/L	1	3/23/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	170	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 4/5/2012 2:19:46 PM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	4/5/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	ND	3.0		mg/L	1	3/24/2012

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:12:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-022	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	448	1.0		umhos/cm		3/21/2012 1:12:00 PM
Eh	72	-300		mV		3/21/2012 1:12:00 PM
pH	6.84	2-12.5		SU		3/21/2012 1:12:00 PM
SWL	5.55			ft		3/21/2012 1:12:00 PM
Temperature	21.3			°C		3/21/2012 1:12:00 PM
Turbidity	25.9	5.0		NTU		3/21/2012 1:12:00 PM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **BY**
Bromide	ND	8.0		mg/L	10	3/28/2012
NOTES: The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	323	100		µg/L	1	4/12/2012 4:12:29 PM
Barium	259	50.0		µg/L	1	4/12/2012 4:12:29 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 4:12:29 PM
Boron	ND	500		µg/L	1	4/11/2012 4:01:43 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 4:12:29 PM
Calcium	49600	5000		µg/L	1	4/12/2012 4:12:29 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 4:12:29 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 4:12:29 PM
Copper	ND	10.0		µg/L	1	4/12/2012 4:12:29 PM
Iron	2900	60.0		µg/L	1	4/12/2012 4:12:29 PM
Magnesium	11200	5000		µg/L	1	4/12/2012 4:12:29 PM
Manganese	6810	10.0		µg/L	1	4/12/2012 4:12:29 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 4:12:29 PM
Potassium	6330	5000		µg/L	1	4/12/2012 4:12:29 PM
Silver	ND	10.0		µg/L	1	4/12/2012 4:12:29 PM
Sodium	11000	5000		µg/L	1	4/12/2012 4:12:29 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 4:12:29 PM
Zinc	ND	10.0		µg/L	1	4/12/2012 4:12:29 PM
Hardness, Total(CaCO3)	170000	7000		µg/L	1	4/12/2012 4:12:29 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:12:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-022	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	6.79	5.00		µg/L	1	4/10/2012 2:14:27 PM
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:35:13 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	260	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	6.0		mg/L	1	3/22/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	8.96	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/30/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/30/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	4/3/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/22/2012 7:55:00 AM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:12:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-022	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 4:35:00 PM
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	5.32	0.500		mg/L	1	4/22/2012
NOTES: Sample reanalyzed over the holding time; original analysis was within the holding time.						
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	3/21/2012 3:55:00 PM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/24/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/28/2012 10:32:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	ND	5.00		mg/L	1	3/23/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	250	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 4/5/2012 2:19:46 PM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	4.95	0.500		mg/L	1	4/5/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	7.4	3.0		mg/L	1	3/24/2012

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:16:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-023	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	1377	1.0		umhos/cm		3/21/2012 1:16:00 PM
Eh	88	-300		mV		3/21/2012 1:16:00 PM
pH	6.60	2-12.5		SU		3/21/2012 1:16:00 PM
SWL	6.40			ft		3/21/2012 1:16:00 PM
Temperature	18.0			°C		3/21/2012 1:16:00 PM
Turbidity	17.6	5.0		NTU		3/21/2012 1:16:00 PM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **BY**
Bromide	ND	0.8		mg/L	1	3/28/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	536	100		µg/L	1	4/12/2012 4:36:41 PM
Barium	1400	50.0		µg/L	1	4/12/2012 4:36:41 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 4:36:41 PM
Boron	ND	500		µg/L	1	4/11/2012 4:15:39 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 4:36:41 PM
Calcium	208000	5000		µg/L	1	4/12/2012 4:36:41 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 4:36:41 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 4:36:41 PM
Copper	ND	10.0		µg/L	1	4/12/2012 4:36:41 PM
Iron	1110	60.0		µg/L	1	4/12/2012 4:36:41 PM
Magnesium	46600	5000		µg/L	1	4/12/2012 4:36:41 PM
Manganese	6230	10.0		µg/L	1	4/12/2012 4:36:41 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 4:36:41 PM
Potassium	ND	5000		µg/L	1	4/12/2012 4:36:41 PM
Silver	ND	10.0		µg/L	1	4/12/2012 4:36:41 PM
Sodium	58500	5000		µg/L	1	4/12/2012 4:36:41 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 4:36:41 PM
Zinc	17.7	10.0		µg/L	1	4/12/2012 4:36:41 PM
Hardness, Total(CaCO3)	712000	7000		µg/L	1	4/12/2012 4:36:41 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:16:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-023	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:37:08 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	490	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/22/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	123	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/30/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/30/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	4/3/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/22/2012 7:55:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 4:35:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:16:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-023	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	4/5/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	0.053	0.050		mg/L	1	3/21/2012 3:55:00 PM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/24/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/28/2012 10:32:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	ND	5.00		mg/L	1	3/23/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	830	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 4/5/2012 2:19:46 PM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	4/5/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	20.7	3.0		mg/L	1	3/24/2012

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 11:06:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-024	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	1172	1.0		umhos/cm		3/21/2012 11:06:00 AM
Eh	172	-300		mV		3/21/2012 11:06:00 AM
pH	6.74	2-12.5		SU		3/21/2012 11:06:00 AM
SWL	3.16			ft		3/21/2012 11:06:00 AM
Temperature	18.0			°C		3/21/2012 11:06:00 AM
Turbidity	24.6	5.0		NTU		3/21/2012 11:06:00 AM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **BY**
Bromide	ND	80		mg/L	100	4/4/2012
NOTES: The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL BY NYSDEC ASP 2005 (Prep Code: 200.7TPRASP Prep Date: 3/28/2012 9:45:18 AM)					**200.7WTASP** Prep By: ARO)	Analyst: **ALW**
Aluminum	709	100		µg/L	1	4/12/2012 5:02:52 PM
Barium	590	50.0		µg/L	1	4/12/2012 5:02:52 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 5:02:52 PM
Boron	ND	500		µg/L	1	4/11/2012 4:29:51 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 5:02:52 PM
Calcium	149000	5000		µg/L	1	4/12/2012 5:02:52 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 5:02:52 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 5:02:52 PM
Copper	ND	10.0		µg/L	1	4/12/2012 5:02:52 PM
Iron	931	60.0		µg/L	1	4/12/2012 5:02:52 PM
Magnesium	36800	5000		µg/L	1	4/12/2012 5:02:52 PM
Manganese	1620	10.0		µg/L	1	4/12/2012 5:02:52 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 5:02:52 PM
Potassium	ND	5000		µg/L	1	4/12/2012 5:02:52 PM
Silver	ND	10.0		µg/L	1	4/12/2012 5:02:52 PM
Sodium	108000	5000		µg/L	1	4/12/2012 5:02:52 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 5:02:52 PM
Zinc	ND	10.0		µg/L	1	4/12/2012 5:02:52 PM
Hardness, Total(CaCO3)	524000	7000		µg/L	1	4/12/2012 5:02:52 PM
ASP TOTAL METALS BY ICP-MS (Prep Code: 200.8TPRASP Prep Date: 3/28/2012 9:46:19 AM)					**200.8ASP** Prep By: ARO)	Analyst: **ALW**

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 11:06:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-024	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	5.82	5.00		µg/L	1	4/10/2012 2:14:27 PM
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:42:54 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	500	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/22/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	99.4	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 3/30/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	3/30/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	22	20		mg/L	1	4/3/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	6.00	5.00		UNITS	1	3/22/2012 7:55:00 AM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 11:06:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-024	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 4:35:00 PM
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	4/5/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	3/21/2012 3:55:00 PM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/24/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/28/2012 10:32:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	21.9	5.00		mg/L	1	3/23/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	1000	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 4/5/2012 2:19:46 PM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	4/5/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	15.1	3.0		mg/L	1	3/24/2012

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Dupe MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:38:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-025	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **BY**
Bromide	ND	0.8		mg/L	1	3/28/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	345	100		µg/L	1	4/12/2012 5:11:40 PM
Barium	223	50.0		µg/L	1	4/12/2012 5:11:40 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 5:11:40 PM
Boron	ND	500		µg/L	1	4/11/2012 4:34:33 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 5:11:40 PM
Calcium	33700	5000		µg/L	1	4/12/2012 5:11:40 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 5:11:40 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 5:11:40 PM
Copper	ND	10.0		µg/L	1	4/12/2012 5:11:40 PM
Iron	428	60.0		µg/L	1	4/12/2012 5:11:40 PM
Magnesium	8860	5000		µg/L	1	4/12/2012 5:11:40 PM
Manganese	236	10.0		µg/L	1	4/12/2012 5:11:40 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 5:11:40 PM
Potassium	ND	5000		µg/L	1	4/12/2012 5:11:40 PM
Silver	ND	10.0		µg/L	1	4/12/2012 5:11:40 PM
Sodium	9690	5000		µg/L	1	4/12/2012 5:11:40 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 5:11:40 PM
Zinc	ND	10.0		µg/L	1	4/12/2012 5:11:40 PM
Hardness, Total(CaCO3)	121000	7000		µg/L	1	4/12/2012 5:11:40 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Lead	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:49:15 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Dupe MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:38:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-025	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	99	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/22/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	5.84	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0 (Prep Code: CN_WPR_ASP Prep Date: 4/2/2012)					**CN_W_ASP** Prep By: SKC)	Analyst: **SKC**
Cyanide	ND	10.0		µg/L	1	4/2/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	4/3/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/22/2012 7:55:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 4:35:00 PM
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	4/5/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	0.485	0.050		mg/L	1	3/21/2012 3:55:00 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

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**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Dupe MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 1:38:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-025	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/24/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/28/2012 10:32:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	5.40	5.00		mg/L	1	3/26/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	180	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 4/5/2012 2:19:46 PM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	4/5/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	ND	3.0		mg/L	1	3/24/2012

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Scale House
Lab Order:	U1203406	**Collection Date:**	3/21/2012 2:20:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-026	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS					**FIELD**	Analyst:
Conductivity	330	1.0		umhos/cm		3/21/2012 2:20:00 PM
Eh	152	-300		mV		3/21/2012 2:20:00 PM
pH	7.90	2-12.5		SU		3/21/2012 2:20:00 PM
Temperature	19.4			°C		3/21/2012 2:20:00 PM
Turbidity	9.46	5.0		NTU		3/21/2012 2:20:00 PM
BROMIDE BY SM 18-21 4110B (00)					**BROMIDE_W**	Analyst: **BY**
Bromide	ND	0.8		mg/L	1	3/28/2012
ICP METALS, TOTAL BY NYSDEC ASP 2005					**200.7WTASP**	Analyst: **ALW**
(Prep Code: 200.7TPRASP	Prep Date: 3/28/2012 9:45:18 AM				Prep By: ARO)	
Aluminum	ND	100		µg/L	1	4/12/2012 5:18:26 PM
Barium	299	50.0		µg/L	1	4/12/2012 5:18:26 PM
Beryllium	ND	3.00		µg/L	1	4/12/2012 5:18:26 PM
Boron	ND	500		µg/L	1	4/11/2012 4:39:13 PM
Cadmium	ND	5.00		µg/L	1	4/12/2012 5:18:26 PM
Calcium	45600	5000		µg/L	1	4/12/2012 5:18:26 PM
Chromium	ND	10.0		µg/L	1	4/12/2012 5:18:26 PM
Cobalt	ND	20.0		µg/L	1	4/12/2012 5:18:26 PM
Copper	26.4	10.0		µg/L	1	4/12/2012 5:18:26 PM
Iron	186	60.0		µg/L	1	4/12/2012 5:18:26 PM
Magnesium	10600	5000		µg/L	1	4/12/2012 5:18:26 PM
Manganese	51.2	10.0		µg/L	1	4/12/2012 5:18:26 PM
Nickel	ND	30.0		µg/L	1	4/12/2012 5:18:26 PM
Potassium	ND	5000		µg/L	1	4/12/2012 5:18:26 PM
Silver	ND	10.0		µg/L	1	4/12/2012 5:18:26 PM
Sodium	8630	5000		µg/L	1	4/12/2012 5:18:26 PM
Vanadium	ND	30.0		µg/L	1	4/12/2012 5:18:26 PM
Zinc	69.8	10.0		µg/L	1	4/12/2012 5:18:26 PM
Hardness, Total(CaCO3)	157000	7000		µg/L	1	4/12/2012 5:18:26 PM
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Antimony	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Arsenic	ND	5.00		µg/L	1	4/10/2012 2:14:27 PM
Lead	9.15	3.00		µg/L	1	4/10/2012 2:14:27 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Scale House
Lab Order:	U1203406	**Collection Date:**	3/21/2012 2:20:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-026	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP TOTAL METALS BY ICP-MS					**200.8ASP**	Analyst: **ALW**
(Prep Code: 200.8TPRASP	Prep Date: 3/28/2012 9:46:19 AM				Prep By: ARO)	
Selenium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
Thallium	ND	3.00		µg/L	1	4/10/2012 2:14:27 PM
TOTAL MERCURY WATERS ASP					**245.2WTASP**	Analyst: **LET**
(Prep Code: 245.2TPRASP	Prep Date: 3/28/2012 1:02:23 PM				Prep By: ARO)	
Mercury	ND	0.200		µg/L	1	4/16/2012 2:51:12 PM
ALKALINITY BY EPA 310.2					**ALK_W_AUTO**	Analyst: **KLS**
Alkalinity, Total (As CaCO3)	110	10		mg/L	1	3/23/2012
BOD, 5 DAY BY SM 18-20 5210B (01)					**BOD**	Analyst: **Sub**
Biochemical Oxygen Demand	ND	4.0		mg/L	1	3/22/2012 11:45:00 AM
NOTES: Subcontracted to NYSDOH ELAP Lab ID#11301						
CHLORIDE WATERS BY LACHAT 10-117-07-1 A					**CL_W_AUTO**	Analyst: **KLS**
Chloride	14.0	1.00		mg/L	1	3/23/2012
CYANIDE, TOTAL WATERS BY EPA 335.4 REV. 1.0					**CN_W_ASP**	Analyst: **SKC**
(Prep Code: CN_WPR_ASP	Prep Date: 4/2/2012				Prep By: SKC)	
Cyanide	ND	10.0		µg/L	1	4/2/2012
COD BY EPA 410.4 REV. 2.0					**COD**	Analyst: **KLS**
Chemical Oxygen Demand	ND	20		mg/L	1	4/3/2012
COLOR BY SM 18-21 2120B (01)					**COLOR**	Analyst: **MGP**
Color	ND	5.00		UNITS	1	3/22/2012 7:55:00 AM
HEXAVALENT CHROMIUM BY SM 18-19 3500-CR D					**CR6_W**	Analyst: **CAS**
Chromium, Hexavalent	ND	0.010		mg/L	1	3/21/2012 4:35:00 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

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**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Scale House
Lab Order:	U1203406	**Collection Date:**	3/21/2012 2:20:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-026	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NH3 BY LACHAT 10-107-06-1-J					**NH3_W_AUTO**	Analyst: **GWL**
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	4/5/2012
NITROGEN, NITRATE (AS N) BY LACHAT 10-107-04-1C					**NO3_W**	Analyst: **SAB**
Nitrogen, Nitrate (as N)	ND	0.050		mg/L	1	3/21/2012 3:55:00 PM
PHENOLICS, TOTAL BY LACHAT 10-210-00-1A (Prep Code: PHENOL_WPR Prep Date: 3/24/2012)					**PHENOL_W** Prep By: SAB)	Analyst: **SAB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/28/2012 10:32:00 AM
SULFATE BY ASTM D516-90, 02 & 07					**SULFATE_W**	Analyst: **MGP**
Sulfate	35.8	5.00		mg/L	1	3/26/2012
TDS BY SM 18-21 2540C (97)					**TDS**	Analyst: **SAB**
Residue, Dissolved (TDS)	170	25		mg/L	1	3/22/2012
TKN BY LACHAT 10-107-06-2 (Prep Code: TKN_WPR Prep Date: 4/5/2012 2:19:46 PM)					**TKN_W_AUTO** Prep By: GWL)	Analyst: **GWL**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	4/5/2012
TOC BY SM 18-21 5310B (00)					**TOC_W**	Analyst: **SAB**
Organic Carbon, Total	ND	3.0		mg/L	1	3/24/2012

Approved By: PH **Date:** 4-25-12

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Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:40:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-027	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Chloroethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 2:23:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 2:23:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 2:23:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 2:23:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 2:23:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 2:23:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

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Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:40:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-027	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 2:23:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 2:23:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 2:23:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:43:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-028	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Chloroethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 3:02:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 3:02:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 3:02:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 3:02:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 3:02:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 3:02:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

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**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:43:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-028	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 3:02:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 3:02:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 3:02:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:12:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-029	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Chloroethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 3:40:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 3:40:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 3:40:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 3:40:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 3:40:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 3:40:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:12:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-029	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 3:40:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 3:40:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 3:40:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:15:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-030	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Vinyl chloride	8.0	5.0		µg/L	1	3/27/2012 7:07:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Chloroethane	4.4	5.0	J	µg/L	1	3/27/2012 7:07:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 7:07:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 7:07:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 7:07:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 7:07:00 PM
cis-1,2-Dichloroethene	15	5.0		µg/L	1	3/27/2012 7:07:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 7:07:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 7:07:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:15:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-030	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 7:07:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 7:07:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 7:07:00 PM
TIC: Ethyl ether	3.0	0		µg/L	1	3/27/2012 7:07:00 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Dupe MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:43:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-031	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Chloroethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 4:33:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 4:33:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 4:33:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 4:33:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 4:33:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 4:33:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Dupe MW-1B
Lab Order:	U1203406	**Collection Date:**	3/21/2012 10:43:00 AM
Project:	Towslee Landfill		
Lab ID:	U1203406-031	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 4:33:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 4:33:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 4:33:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	ULI Trip Blank
Lab Order:	U1203406	**Collection Date:**	3/21/2012
Project:	Towslee Landfill		
Lab ID:	U1203406-032	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Chloroethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 5:12:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 5:12:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 5:12:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 5:12:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 5:12:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 5:12:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM

Approved By: DH **Date:** 4.25.12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	ULI Trip Blank
Lab Order:	U1203406	**Collection Date:**	3/21/2012
Project:	Towslee Landfill		
Lab ID:	U1203406-032	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 5:12:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 5:12:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 5:12:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U1203406	**Collection Date:**	3/21/2012 6:00:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-033	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Chloroethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 5:50:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 5:50:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 5:50:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 5:50:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 5:50:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 5:50:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM

Approved By: DH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U1203406	**Collection Date:**	3/21/2012 6:00:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-033	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 5:50:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 5:50:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 5:50:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or aualysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Scale House
Lab Order:	U1203406	**Collection Date:**	3/21/2012 2:20:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-034	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Vinyl chloride	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Bromomethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Chloroethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Acetone	ND	10		µg/L	1	3/27/2012 6:29:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Iodomethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Carbon disulfide	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Methylene chloride	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Acrylonitrile	ND	100		µg/L	1	3/27/2012 6:29:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Vinyl acetate	ND	50		µg/L	1	3/27/2012 6:29:00 PM
2-Butanone	ND	10		µg/L	1	3/27/2012 6:29:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Chloroform	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Bromochloromethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Benzene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Trichloroethene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Dibromomethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/27/2012 6:29:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Toluene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
2-Hexanone	ND	10		µg/L	1	3/27/2012 6:29:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Chlorobenzene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *25-Apr-12*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Scale House
Lab Order:	U1203406	**Collection Date:**	3/21/2012 2:20:00 PM
Project:	Towslee Landfill		
Lab ID:	U1203406-034	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATERS BY METHOD 503 /8260B				**8260ASP_A1_W**		Analyst: **LEF**
Ethylbenzene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
m,p-Xylene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
o-Xylene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Styrene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
Bromoform	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	3/27/2012 6:29:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/27/2012 6:29:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	3/27/2012 6:29:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 4-25-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

Project: **Towslee Landfill**

Well ID.: **CD-1**

ULI ID No. (enter by lab)

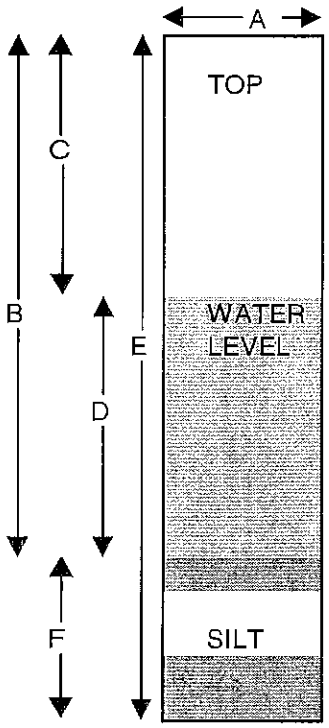
Condition of Well: Good

Locked: No

Method of Evacuation: Dedicated Bailer

Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	24.70	feet
C.	Depth to Water	6.43	feet
D.	Length of Water Column (calculated)	18.27	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	2.9232	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	8.7696	gallons
	Actual Volume Evacuated	7.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/19/2012	3/20/2012
Time	2:01 PM	11:25 AM
EH	156	179
Temperature	19.9 c	18.2 c
pH	7.44	7.89
Specific Cond.	266	274
Turbidity	4.40	46.2
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Cloudy

% Recharge:

Initial Depth to Water 6.43 feet

Recharge Depth to Water 6.37 feet

2nd water column height 100.94 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 75* F Sun 69* F Sun

Observations:

Sampler: Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

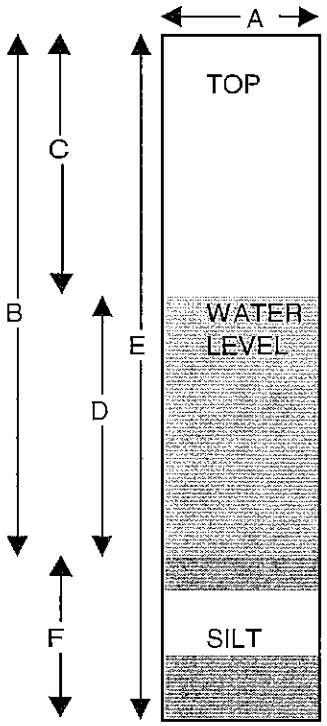
Project: **Towslee Landfill** ULI ID No. (enter by lab)

Well ID.: **CD-1RA**

Condition of Well: Good | Locked: No

Method of Evacuation: Dedicated Bailer | Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	50.60	feet
C.	Depth to Water	3.00	feet
D.	Length of Water Column (calculated)	47.60	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	7.6160	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	22.848	gallons
	Actual Volume Evacuated	10	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/19/2012	3/20/2012
Time	1:56 PM	11:18 AM
EH	154	180
Temperature	19.9 c	17.7 c
pH	7.47	7.98
Specific Cond.	273	299
Turbidity	11.5	20.3
Dissolved Oxygen	N/A	N/A
Appearance	Sl Cloudy	Sl Cloudy

% Recharge:

Initial Depth to Water 3.00 feet

Recharge Depth to Water 4.20 feet

2nd water column height 71.43 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 75* F Sun | 69* F Sun

Observations:

Sampler: Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

Project: **Towslee Landfill**

Well ID.: **MW-3A**

ULI ID No. (enter by lab)

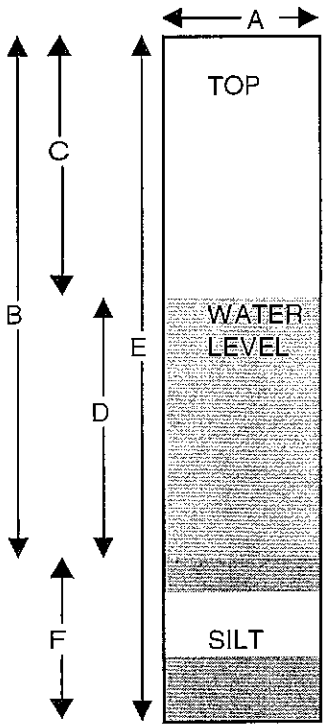
Condition of Well: Good

Locked: No

Method of Evacuation: Dedicated Bailer

Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	22.40	feet
C.	Depth to Water	6.57	feet
D.	Length of Water Column (calculated)	15.83	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	2.5328	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	7.5984	gallons
	Actual Volume Evacuated	4	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/19/2012	3/20/2012
Time	2:41 PM	11:45 AM
EH	157	194
Temperature	20.4 c	17.7 c
pH	7.08	7.27
Specific Cond.	303	284
Turbidity	5.98	29.9
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Cloudy

% Recharge:

Initial Depth to Water 6.57 feet

Recharge Depth to Water 6.28 feet

2nd water column height 104.62 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 75* F Sun 69* F Sun

Observations:

Sampler: Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

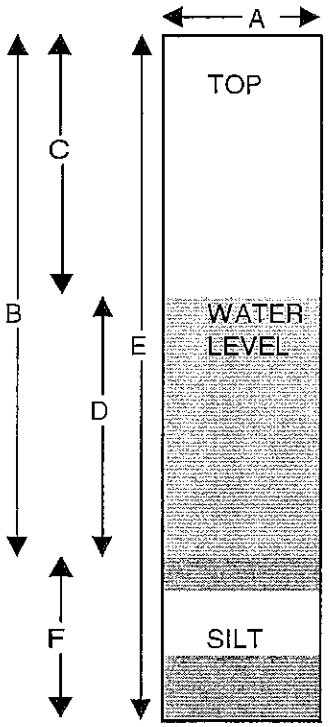
Project: **Towslee Landfill** ULI ID No.. (enter by lab)

Well ID.: **MW-3B**

Condition of Well: Good Locked: No

Method of Evacuation: Dedicated Bailer Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	44.4	feet
C.	Depth to Water	12.59	feet
D.	Length of Water Column (calculated)	31.81	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	5.0896	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	15.2688	gallons
	Actual Volume Evacuated	7.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/19/2012	3/20/2012
Time	2:44 PM	11:52 AM
EH	152	203
Temperature	20.5 c	15.8 c
pH	6.94	7.04
Specific Cond.	502	482
Turbidity	3.87	13.2
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Sl Cloudy

% Recharge:

Initial Depth to Water 12.59 feet

Recharge Depth to Water 12.55 feet

2nd water column height 100.32 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 75* F Sun 69* F Sun

Observations:

Sampler:

Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

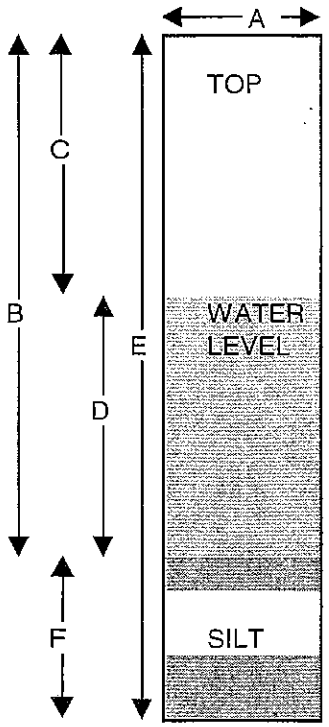
Project: **Towslee Landfill** ULI ID No. (enter by lab)

Well ID.: **MW-4A**

Condition of Well: Good Locked: No

Method of Evacuation: Dedicated Bailer Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	32.40	feet
C.	Depth to Water	6.94	feet
D.	Length of Water Column (calculated)	25.46	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.0736	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	12.2208	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/19/2012	3/20/2012
Time	2:32 PM	11:39 AM
EH	173	193
Temperature	15.3 c	14.6 c
pH	6.98	7.10
Specific Cond.	750	762
Turbidity	5.24	35.0
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Cloudy

% Recharge:

Initial Depth to Water 6.94 feet

Recharge Depth to Water 6.95 feet

2nd water column height 99.86 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 75* F Sun 69* F Sun

Observations:

Sampler: Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

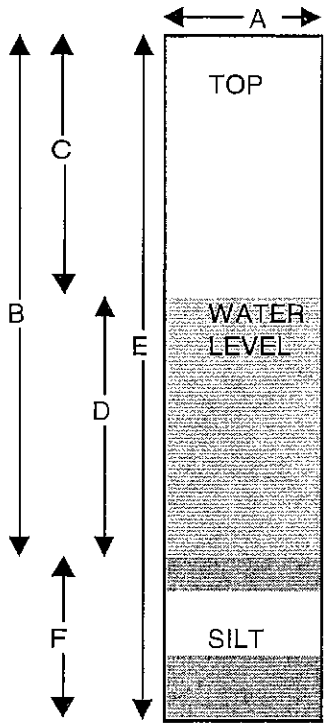
Project: **Towslee Landfill** ULI ID No. (enter by lab)

Well ID.: **MW-6A**

Condition of Well: Good Locked: No

Method of Evacuation: Dedicated Bailer Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	19.10	feet
C.	Depth to Water	12.42	feet
D.	Length of Water Column (calculated)	6.68	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.0688	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	3.2064	gallons
	Actual Volume Evacuated	5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/19/2012	3/20/2012
Time	1:40 PM	10:59 AM
EH	138	193
Temperature	23.9 c	23.8 c
pH	6.73	7.38
Specific Cond.	594	415
Turbidity	96.0	922.0
Dissolved Oxygen	N/A	N/A
Appearance	Cloudy	Extremely Cloudy Brown

% Recharge:

Initial Depth to Water 12.42 feet

Recharge Depth to Water 12.35 feet

2nd water column height 100.57 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 75* F Sun 69* F Sun

Observations: Dissolved metals sample collected. Filtered at lab.

Sampler:

Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

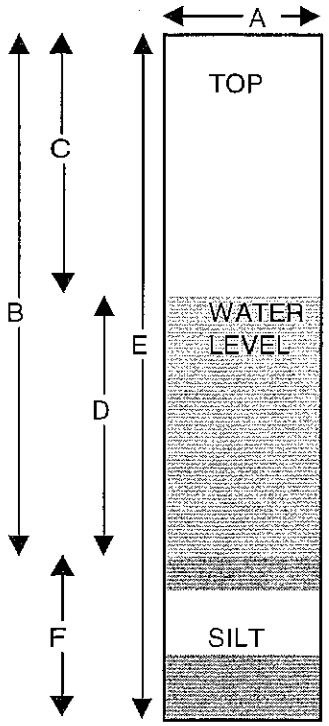
Project: **Towslee Landfill** ULI ID No. (enter by lab)

Well ID.: **MW-6B**

Condition of Well: Good Locked: No

Method of Evacuation: Dedicated Bailer Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	40.75	feet
C.	Depth to Water	12.53	feet
D.	Length of Water Column (calculated)	28.22	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.5152	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	13.5456	gallons
	Actual Volume Evacuated	5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/19/2012	3/20/2012
Time	1:45 PM	11:06 AM
EH	149	190
Temperature	20.3 c	18.5 c
pH	6.97	7.30
Specific Cond.	330	344
Turbidity	14.0	6.83
Dissolved Oxygen	N/A	N/A
Appearance	Sl Cloudy	Clear

% Recharge:

Initial Depth to Water 12.53 feet

Recharge Depth to Water 12.45 feet

2nd water column height 100.64 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 75* F Sun 69* F Sun

Observations:

Sampler:

Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

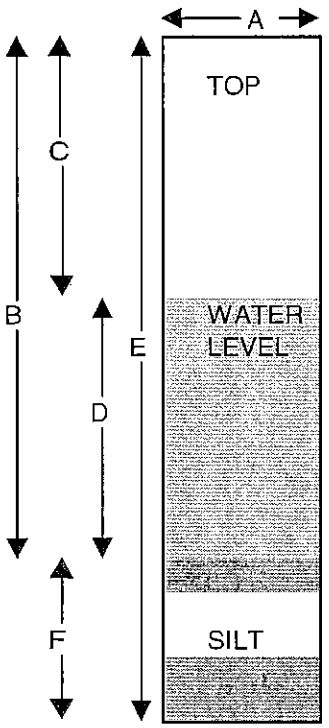
Client: **Cortland County**

Project: **Towslee Landfill**

ULI ID No. (enter by lab)

Well ID.: **MW-1A**

Condition of Well:	Good	Locked:	No
Method of Evacuation:	Dedicated Bailer	Lock ID:	3900
Method of Sampling:	Dedicated Bailer		



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	33.7	feet
C.	Depth to Water	Artesian	feet
D.	Length of Water Column (calculated)	33.7	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	5.392	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	16.176	gallons
	Actual Volume Evacuated	5.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/21/2012	3/21/2012
Time	10:40 AM	1:32 PM
EH	104	116
Temperature	16.4 c	19.8 c
pH	7.17	7.91
Specific Cond.	415	401
Turbidity	171.0	572.0
Dissolved Oxygen	N/A	N/A
Appearance	Very Cloudy	Extremely Cloudy

% Recharge:

Initial Depth to Water	0.00	feet
Recharge Depth to Water	16.77	feet
2nd water column height	N/A	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather:	64* F Sun	73* F Sun
Observations:	Dissolved metals sample collected, Filtered at lab.	

Sampler: Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

Project: **Towslee Landfill**

ULI ID No. (enter by lab)

Well ID.: **MW-1B**

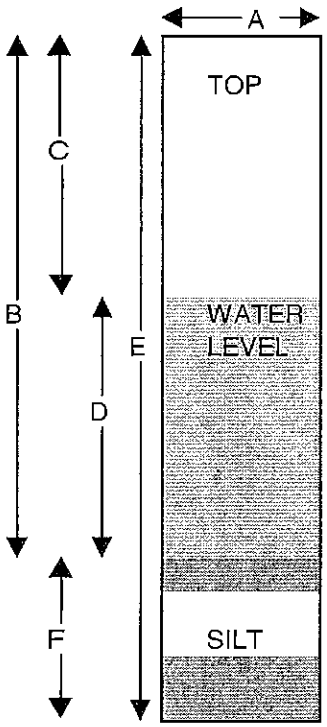
Condition of Well: Good

Locked: No

Method of Evacuation: Dedicated Bailer

Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	55.5	feet
C.	Depth to Water	Artesian	feet
D.	Length of Water Column (calculated)	55.5	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	8.88	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	26.64	gallons
	Actual Volume Evacuated	27	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/21/2012	3/21/2012
Time	10:43 AM	1:38 PM
EH	103	115
Temperature	17.5 c	22.8 c
pH	7.50	7.93
Specific Cond.	223	279
Turbidity	3.59	9.46
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Clear

% Recharge:

Initial Depth to Water 0.00 feet

Recharge Depth to Water 1.02 feet

2nd water column height N/A %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 64* F Sun 73* F Sun

Observations: Dupe

Sampler: Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

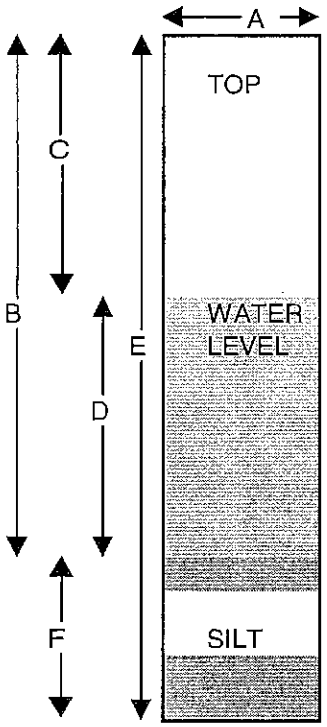
Project: **Towslee Landfill** ULI ID No. (enter by lab)

Well ID.: **MW-2A**

Condition of Well: Good | Locked: No

Method of Evacuation: Dedicated Bailer | Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.8	feet
C.	Depth to Water	5.55	feet
D.	Length of Water Column (calculated)	7.25	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.16	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	3.48	gallons
	Actual Volume Evacuated	3.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/21/2012	3/21/2012
Time	10:12 AM	1:12 PM
EH	51	72
Temperature	16.3 c	21.3 c
pH	7.00	6.84
Specific Cond.	458	448
Turbidity	26.8	25.9
Dissolved Oxygen	N/A	N/A
Appearance	Cloudy	Cloudy

% Recharge:

Initial Depth to Water 5.55 feet

Recharge Depth to Water 5.69 feet

2nd water column height 97.54 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 64* F Sun | 71* F Sun

Observations:

Sampler: Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

Project: **Towslee Landfill**

ULI ID No. (enter by lab)

Well ID.: **MW-2B**

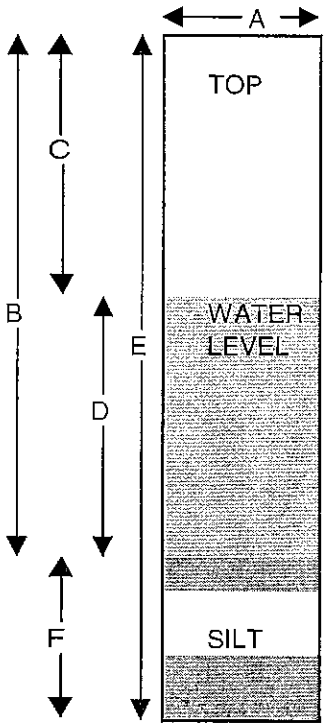
Condition of Well: Good

Locked: Yes

Method of Evacuation: Dedicated Bailer

Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	33.5	feet
C.	Depth to Water	6.40	feet
D.	Length of Water Column (calculated)	27.10	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.336	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	13.008	gallons
	Actual Volume Evacuated	5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/21/2012	3/21/2012
Time	10:15 AM	1:16 PM
EH	62	88
Temperature	14.6 c	18.0 c
pH	6.71	6.60
Specific Cond.	1401	1377
Turbidity	14.3	17.6
Dissolved Oxygen	N/A	N/A
Appearance	Sl Cloudy	Sl Cloudy

% Recharge:

Initial Depth to Water 6.40 feet

Recharge Depth to Water 6.55 feet

2nd water column height 97.71 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 64* F Sun 71* F Sun

Observations:

Sampler: Dan Aumell

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

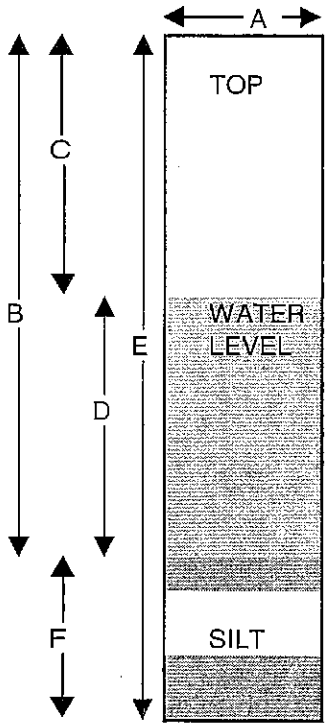
Project: **Towslee Landfill** ULI ID No. (enter by lab)

Well ID.: **MW-7A**

Condition of Well: Good Locked: No

Method of Evacuation: Dedicated Bailer Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	22.20	feet
C.	Depth to Water	3.16	feet
D.	Length of Water Column (calculated)	19.04	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	3.0464	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	9.1392	gallons
	Actual Volume Evacuated	6.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/20/2012	3/21/2012
Time	2:23 PM	11:06 AM
EH	217	172
Temperature	16.8 c	18.0 c
pH	6.88	6.74
Specific Cond.	1203	1172
Turbidity	168.0	24.6
Dissolved Oxygen	N/A	N/A
Appearance	Very Cloudy	Cloudy
Weather:	69* F Sun	67* F Sun
Observations:		

% Recharge:

Initial Depth to Water 3.16 feet

Recharge Depth to Water 3.15 feet

2nd water column height 100.32 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Sampler:
Dan Aumell

Signature:

Upstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Cortland County

Project: Scale House

Date: 3/21/2012

Sampler (print): Dan Aumell

Signature: Dan Aumell

Location SH-1

EH 152 MV
TEMPERATURE 19.4 C
PH 7.90 STD.UNITS
SPEC. CON. 330 UMHOS/CM
TURB 9.46 NTU

TIME SAMPLED 2:20 PM ULI ID. NO.
WEATHER CONDITION: 73* F Sun
APPEARANCE / OBSERVATIONS Clear
DO N/A MG/L
STAFF GAUGE N/A

Location

EH MV
TEMPERATURE C
PH STD.UNITS
SPEC. CON. UMHOS/CM
TURB NTU

TIME SAMPLED ULI ID. NO.
WEATHER CONDITION:
APPEARANCE / OBSERVATIONS
DO N/A MG/L
STAFF GAUGE N/A

Location

EH MV
TEMPERATURE C
PH STD.UNITS
SPEC. CON. UMHOS/CM
TURB NTU

TIME SAMPLED ULI ID. NO.
WEATHER CONDITION:
APPEARANCE / OBSERVATIONS
DO MG/L
STAFF GAUGE

Location

EH MV
TEMPERATURE C
PH STD.UNITS
SPEC. CON. UMHOS/CM
TURB NTU

TIME SAMPLED ULI ID. NO.
WEATHER CONDITION:
APPEARANCE / OBSERVATIONS
DO N/A MG/L
STAFF GAUGE N/A

Location

EH MV
TEMPERATURE C
PH STD.UNITS
SPEC. CON. UMHOS/CM
TURB NTU

TIME SAMPLED ULI ID. NO.
WEATHER CONDITION:
APPEARANCE / OBSERVATIONS
DO MG/L
STAFF GAUGE

Location

EH MV
TEMPERATURE C
PH STD.UNITS
SPEC. CON. UMHOS/CM
TURB NTU

TIME SAMPLED ULI ID. NO.
WEATHER CONDITION:
APPEARANCE / OBSERVATIONS
DO MG/L
STAFF GAUGE

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/10/2001

Client: **Cortland County**

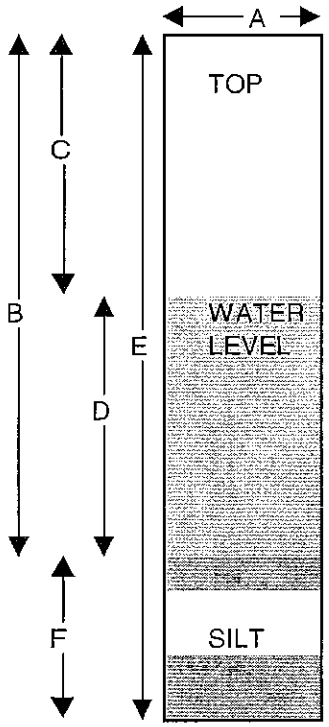
Project: **Towslee Landfill** ULI ID No. (enter by lab)

Well ID.: **MW-5A**

Condition of Well: Good Locked: No

Method of Evacuation: Dedicated Bailer Lock ID: 3900

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	32.30	feet
C.	Depth to Water	5.86	feet -
D.	Length of Water Column (calculated)	26.44	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.2304	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	12.6912	gallons
	Actual Volume Evacuated	0	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/19/2012	
Time	3:18 PM	
EH		
Temperature		
pH		
Specific Cond.		
Turbidity		
Dissolved Oxygen	N/A	N/A
Appearance		

% Recharge:

Initial Depth to Water ____ feet

Recharge Depth to Water ____ feet

2nd water column height ____ %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 75* F Sun

Observations: Blockage at top of well, unable to purge or sample.

Sampler: Dan Aumell

Signature: Dan Aumell

Cortland County-West Side Extension

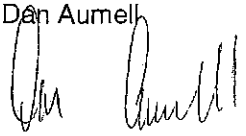
GAS MONITORING

Date: 3/20/2012

LOCATION	%O2	LEL (ppm)
AA-1	20.9	0
AA-2	20.9	0
AA-3	20.9	0
AA-4	20.9	0
AA-5	20.9	0
AA-6A	20.9	0
AA-7A	20.9	0
AA-8	20.9	0
AA-9	20.8	0
AA-10	20.4	0
AA-11	20.4	0
AA-12	20.7	0
AA-13	20.9	0
AA-14	20.9	0
AA-15	20.9	0
AA-16	20.9	0
AA-17	20.4	0
AA-6B	20.9	0
AA-7B	20.9	0
GW-1	20.9	0
GFD-1	20.9	0
GFD-2	20.9	0
GFLD-1	20.9	0
GFLD-2	20.9	0
GFLD-3	20.9	0
SH-At Door	20.5	0
SH-At Grate	20.5	0
MW-6A	20.9	0
MW-6B	20.9	0
MW-5A	20.9	0
MW-4A	20.9	0
MW-3A	20.9	0
MW-3B	20.9	0
MW-1A	20.9	0
MW-1B	20.9	0
MW-2A	20.9	0
MW-2B	20.9	0

Meter: VRAE PGM7800

Recorded by: Dan Aumell



Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client: CORTLAND COUNTY
Project # / Project Name: TOWSLEE LANDFILL
Client Contact: PATRICK REIDY
Phone #: 607-753-0851
Location (city/state) Address: CORTLANDVILLE, NY

Sample ID	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only (01203406)	Number of Containers	ULI Computer Input Form 1	2	3	4	5	6	7	8	9	10	Remarks ASP-B
CD-1	3/19/12	2:01pm	WATER	GRAB	1	2	X										
CD-1RA	3/19/12	1:51pm	WATER	GRAB	2	2	X										
MW-1A			WATER	GRAB		2	X										
MW-1B			WATER	GRAB		2	X										
MW-2A			WATER	GRAB		2	X										
MW-2B			WATER	GRAB		2	X										
MW-3A	3/19/12	2:14pm	WATER	GRAB	3	2	X										
MW-3B	3/19/12	2:14pm	WATER	GRAB	4	2	X										
MW-4A	3/19/12	2:32pm	WATER	GRAB	5	2	X										
MW-5A	3/19/12	3:18pm	WATER	GRAB	6	~~2~~	X										well blocked (inside pipe)
MW-6A	3/19/12	1:10pm	WATER	GRAB	7	2	X										
MW-6B	3/19/12	1:45pm	WATER	GRAB	8	2	X										
MW-7A			WATER	GRAB		2	X										
DUPE			WATER	GRAB		2	X										
~~MS/MSD~~ Holding Blank	3/20/12	1140	Water	Grab	10	1	X										CBLM 3/20/12
~~SCALE HOUSE~~ ULI Trip Blank	3/19/12	—	WATER	GRAB	9	~~2~~ 1	X										

Parameter and Method	Sample bottle:	Type	Size	Preservative
1) EPA 8260 BASELINE LIST		GLASS	40 ML	1:1 HCL
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				

Sampled by (Print): Dan Aumell
Company: ULI
Name of Courier:

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date 3/19/12	Time 4:30pm	Rec'd for Lab by: BMaish

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Upstate Laboratories, Inc.

6034 Corporate Drive E. Syracuse New York 13057
(315) 437 0255 Fax 437 1209

Chain of Custody Record

ULI Computer Input Form

Client: CORTLAND COUNTY

Project #/ Project Name: TOWSLEE LANDFILL

Client Contact: PATRICK REIDY

Phone #: 607-753-0851

Location (city/state) Address: CORTLANDVILLE, NY

Sample ID	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only (ULI2034040)	No. of Containers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Remarks: ASP-B
CD-1	3/20/12	11:25am	WATER	GRAB	10	7	X	X	X	X	X	X	X	X			
CD-1RA	3/20/12	11:18am	WATER	GRAB	11	7	X	X	X	X	X	X	X	X			
MW-1A			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-1B			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-2A			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-2B			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-3A	3/20/12	11:45am	WATER	GRAB	12	7	X	X	X	X	X	X	X	X			
MW-3B	3/20/12	11:52am	WATER	GRAB	13	7	X	X	X	X	X	X	X	X			
MW-4A	3/20/12	11:39am	WATER	GRAB	14	7	X	X	X	X	X	X	X	X			
MW-5A			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-6A	3/20/12	10:59am	WATER	GRAB	15	~~8~~ 7	X	X	X	X	X	X	X	X	(X)	TC 3/20/12	
MW-6B	3/20/12	11:01am	WATER	GRAB	16	7	X	X	X	X	X	X	X	X	~~X~~		(D-Metals filtered in lab) 5/5/12
MW-7A			WATER	GRAB		7	X	X	X	X	X	X	X	X			
DUPE			WATER	GRAB		7		X	X	X	X	X	X	X			
MS/MSD																	
SCALE HOUSE			WATER	GRAB		7	X	X	X	X	X	X	X	X			

Parameter and Method	Sample bottle: Type	Size	Preservative
1) FIELD PH,TEMP,EH,SPEC COND,TURB,SWL	N/A		
2) BOD5,COLOR,CR+6,NO3,TDS,SO4,CL-,BROMIDE	PLASTIC	2000ml	NONE
3) TKN,NH3,COD	PLASTIC	500ml	H2SO4
4) ALKALINITY	PLASTIC	250 ml	NONE
5) T-CN	PLASTIC	250ml	NOAH
6) T-PHENOLS	AMBER	32oz	H2SO4
7) TOC	PLASTIC	250ml	1:1 HCL
8) T-AL,SB*,AS*,BA,BE,CD,CA,CR,CO,CU,FE,PB*,MG,	PLASTIC	500ml	HNO3
B,MN,HG,NA,NI,K,SE*,AG,TL*,V,ZN + HARDNESS	"	"	"
9) D-AL,SB*,AS*,BA,BE,CD,CA,CR,CO,CU,FE,PB*,MG,	PLASTIC	500ml	HNO3
MN,HG,NA,NI,K,SE*,AG,TL*,V,ZN	"	"	"
10)			

Sampled by (Print): Don Aunell

Company: ULI

Name of Courier:

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign) Don Aunell	Date 3/20/12	Time 4:08pm	Rec'd for Lab by: K Crump

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Upstate Laboratories, Inc.

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Chain of Custody Record

ULI Computer Input Form

Client:	Project #/ Project Name
CORTLAND COUNTY	TOWSLEE LANDFILL
Client Contact: / **Phone #**	**Location (city/state) Address**
PATRICK REIDY / 607-753-0851	CORTLANDVILLE, NY

Sample ID	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only (ULI203406)	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
																	ASP-B
CD-1			WATER	GRAB		2	X										
CD-1RA			WATER	GRAB		2	X										
MW-1A			WATER	GRAB		2	X										
MW-1B			WATER	GRAB		2	X										
MW-2A			WATER	GRAB		2	X										
MW-2B			WATER	GRAB		2	X										
MW-3A			WATER	GRAB		2	X										
MW-3B			WATER	GRAB		2	X										
MW-4A			WATER	GRAB		2	X										
MW-5A			WATER	GRAB		2	X										
MW-6A			WATER	GRAB		2	X										
MW-6B			WATER	GRAB		2	X										
MW-7A	3/20/12	2:23pm	WATER	GRAB	17	2	X										
~~DUPE~~ (ULI Trip Blank)	-		WATER	GRAB	18	~~2~~ 1	X										
~~MS/MSD~~ (Holding Blank)		1805	(Water)	(Grab)	19	1	(X)										
SCALE HOUSE	KC 3/20/12		WATER	GRAB		2	X										

Parameter and Method	Sample bottle: Type	Size	Preservative
1) **EPA 8260 BASELINE LIST**	GLASS	40 ML	1:1 HCL
2)			
3)			
4)			
5)			
6)			
7)			
8)			
9)			
10)			

Sampled by (Print) Dan Averill
Company: ULI

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
	3/20/12	4:00pm	

Name of Courier

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Upstate Laboratories, Inc.

6034 Corporate Drive E. Syracuse New York 13057
(315) 437 0255 Fax 437 1209

Chain of Custody Record

ULI Computer Input Form

Client:		Project #/ Project Name				No. of Containers										Remarks
CORTLAND COUNTY		TOWSLEE LANDFILL														
Client Contact:	Phone #	Location (city/state) Address														
PATRICK REIDY	607-753-0851	CORTLANDVILLE, NY														
Sample ID	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only		1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	ASP-B
CD-1			WATER	GRAB		7	X	X	X	X	X	X	X	X			
CD-1RA			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-1A	3/21/12	1:32 pm	WATER	GRAB	20	8/7	X	X	X	X	X	X	X	X	X		
MW-1B	3/21/12	1:38 pm	WATER	GRAB	21	7	X	X	X	X	X	X	X	X			
MW-2A	3/21/12	1:12 pm	WATER	GRAB	22	7	X	X	X	X	X	X	X	X			
MW-2B	3/21/12	1:16 pm	WATER	GRAB	23	7	X	X	X	X	X	X	X	X			(MS/MSD) PM 3/22/12
MW-3A			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-3B			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-4A			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-5A			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-6A			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-6B			WATER	GRAB		7	X	X	X	X	X	X	X	X			
MW-7A	3/21/12	11:06 am	WATER	GRAB	24	7	X	X	X	X	X	X	X	X			
DUPE MW-1B	3/21/12	1:38 pm	WATER	GRAB	25	7		X	X	X	X	X	X	X			
MS/MSD																	
SCALE HOUSE	3/21/12	2:20 pm	WATER	GRAB	26	7	X	X	X	X	X	X	X	X			

Parameter and Method	Sample bottle: Type	Size	Preservative
1) FIELD PH,TEMP,EH,SPEC COND,TURB,SWL	N/A		
2) BOD5,COLOR,CR+6,NO3,TDS,SO4,CL-,BROMIDE	PLASTIC	2000ml	NONE
3) TKN,NH3,COD	PLASTIC	500ml	H2SO4
4) ALKALINITY	PLASTIC	250 ml	NONE
5) T-CN	PLASTIC	250ml	NOAH
6) T-PHENOLS	AMBER	32oz	H2SO4
7) TOC	PLASTIC	250ml	1:1 HCL
8) T-AL,SB*,AS*,BA,BE,CD,CA,CR,CO,CU,FE,PB*,MG,	PLASTIC	500ml	HNO3
B,MN,HG,NA,NI,K,SE*,AG,TL*,V,ZN + HARDNESS	"	"	"
9) D-AL,SB*,AS*,BA,BE,CD,CA,CR,CO,CU,FE,PB*,MG,	PLASTIC	500ml	HNO3
MN,HG,NA,NI,K,SE*,AG,TL*,V,ZN	"	"	"
10)			

Sampled by (Print) Dan Aurell
Company: ULI

Name of Courier

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
Dan Aurell	3/21/12	3:45 pm	JMarsh

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

ULI Computer Input Form

Client: CORTLAND COUNTY

Project # / Project Name: TOWSLEE LANDFILL

Client Contact: PATRICK REIDY

Phone #: 607-753-0851

Location (city/state) Address: CORTLANDVILLE, NY

Sample ID	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
					U1203406												ASP-B
CD-1			WATER	GRAB		2	X										
CD-1RA			WATER	GRAB		2	X										
MW-1A	3/21/12	10:40am	WATER	GRAB	27	2	X										
MW-1B	3/21/12	10:43am	WATER	GRAB	28	2	X										
MW-2A	3/21/12	10:12am	WATER	GRAB	29	2	X										
MW-2B	3/21/12	10:15am	WATER	GRAB	30	3/2	X										MSD
MW-3A			WATER	GRAB		2	X										
MW-3B			WATER	GRAB		2	X										
MW-4A			WATER	GRAB		2	X										
MW-5A			WATER	GRAB		2	X										
MW-6A			WATER	GRAB		2	X										
MW-6B			WATER	GRAB		2	X										
MW-7A			WATER	GRAB		2	X										
DUPE (MW-1B) @ 9/5/12	3/21/12	10:43am	WATER	GRAB	31	2	X										
~~MS/MSD~~ (ULI Trip Blank)	(3-21-12)		(Water)	(Grab)	32	1											
~~SCALE HOUSE~~ (Holding Blank)	(3-21-12)	(1800)	WATER	GRAB	33	12	X										

Parameter and Method — Sample bottle:	Type	Size	Preservative
1) EPA 8260 BASELINE LIST	GLASS	40 ML	1:1 HCL
2)			
3)			
4)			
5)			
6)			
7)			
8)			
9)			
10)			

Sampled by (Print): Dan Axnell

Company: ULI

Name of Courier:

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
	3/21/12	3:49pm	BMarsh

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

ULI Computer Input Form

Client:	Project # Project Name	
CORTLAND COUNTY	TOWSLEE LANDFILL	
Client Contact:	**Phone #**	**Location (city/state) Address**
PATRICK REIDY	607-753-0851	CORTLANDVILLE, NY

Sample ID	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only	Number of Containers 3/21/12	1	2	3	4	5	6	7	8	9	10	Remarks ASP-B
CD-1			WATER	GRAB	LA120340c	2	X										
CD-1RA			WATER	GRAB		2	X										
MW-1A	3/21/12	10:40am	WATER	GRAB		2	X										
MW-1B	3/21/12	10:43am	WATER	GRAB		2	X										
MW-2A	3/21/12	10:12am	WATER	GRAB		2	X										
MW-2B	3/21/12	10:15am	WATER	GRAB		~~3~~ 2	X										MSD
MW-3A			WATER	GRAB		2	X										
MW-3B			WATER	GRAB		2	X										
MW-4A			WATER	GRAB		2	X										
MW-5A			WATER	GRAB		2	X										
MW-6A			WATER	GRAB		2	X										
MW-6B			WATER	GRAB		2	X										
MW-7A			WATER	GRAB		2	X										
DUPE	3/21/12	10:43am	WATER	GRAB		2	X										
MS/MSD																	
SCALE HOUSE	3/21/12	2:20pm	WATER	GRAB	324	2	X										

Parameter and Method	Sample bottle: Type	Size	Preservative
1) **EPA 8260 BASELINE LIST**	GLASS	40 ML	1:1 HCL
2)			
3)			
4)			
5)			
6)			
7)			
8)			
9)			
10)			

Sampled by (Print) Dan Aswell
Company: ULI
Name of Courier

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
	3/21/12	3:40pm	BMcnsh

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

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	14	26	38
CD-1RA	3	15	27	39
MW-1A	4	16	28	40
MW-1B	5	17	29	41
MW-2A	6	18	30	42
MW-2B	7	19	31	43
MW-3A	8	20	32	44
MW-3A	9	21	33	45
MW-4A	10	22	34	46
MW-5A	11	23	35	47
MW-6A	12	24	36	48
MW-6B	13	25	37	49
MW-7A	14	26	38	50

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well CD-1 - 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
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	140 J	145	210	6.88 J	16.9	<0.8	0.068	<0.5 J	<0.5	<20	<4	<3	<0.005	<0.01 J
3/20/12	18.2	179	7.89	274	6	46.2	130 J	144	180	<1 J	15.6	<0.8 J	0.055	<0.5	<0.5 J	<20	<6 J	<3	<0.005 J	<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
Aug-97	--	--	--	--	<5	--	134	160	163	<2	10.8	1	<0.1	0.04	0.2	<15	<2	2.1	<1	--
Oct-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	150 J	155	170	3.67 J	18.4	<0.8	0.058	<0.5 J	<0.5	<20	<4	<3	<0.005	<0.01 J
3/20/12	17.7	180	7.98	299	<5	20.3	140 J	164	150	1.43 J	15.8	<0.8 J	0.079	<0.5	<0.5 J	<20	<4 J	<3	<0.005 J	<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
Aug-97	--	--	--	--	5	--	160	4000	494	152	20.6	1.2	<0.1	6	18	305	5	4.2	0.003	<0.01
Oct-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	0.529 H	<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	188 H	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	100 H	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	120 H	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	150 J	177	210 R	28.5 J	15.8	<0.8	0.075	<0.5 J	<0.5	<20	<4	<3	<0.005	<0.01 J
3/21/12	19.8	116	7.91	401	6	572	130 J	225	190	33.9 J	11.4	<8 J	<0.05	<0.5 J	0.994 J	<20	<4 R	<3	<0.005 J	<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
Aug-97	--	--	--	--	<5	--	94.8	88	143	<2	5.2	<0.5	0.2	<0.02	<0.2	<15	<2	9.3	<0.001	--
Oct-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	0.755 H	<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	92 H	97.1	160	2.86 H	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	120 J	108	130	1.69 J	7.9	<0.8	0.054	<0.5 J	<0.5	<20	<4	<3	<0.005	<0.01 J
3/21/12	22.8	115	7.93	279	<5	9.46	110 J	124	170	6.68 J	5.8	<0.8 J	<0.05	<0.5	<0.5 J	<20	<4 J	<3	<0.005 J	<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
Aug-97	--	--	--	--	30	--	702	1300	1180	156	<5	0.8	<0.1	23	31.5	127	6	42.5	0.0071	<0.01
Oct-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	14 H	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	270 J	199	260	10.2 J	<5	<8	0.074	5.24 J	6.86	<20	<4	3.4	<0.005	<0.01 J
3/21/12	21.3	72	6.84	448	<5	25.9	260 J	170	250	8.96 J	<5	<8 J	<0.05	5.32 J	4.95 J	<20	<6 J	7.4	<0.005 J	<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
Aug-97	--	--	--	--	5	--	577	960	1640	267	<5	1.1	<0.1	0.95	2.6	58	2	12.3	0.0044	--
Oct-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	1.78 H	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	570 J	713	770	102 J	<5 R	<0.8 R	0.064	<0.5 J	1.46	25	<4	3.4	<0.005	<0.01 J
3/21/12	18	88	6.6	1377	<5	17.6	490 J	712	830	123 J	<5	<0.8 J	0.053	<0.5	<0.5 J	<20	<4 J	20.7	<0.005 R	<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
Aug-97	--	--	--	--	<5	--	145	1250	320	31.4	16	0.5	<0.1	<0.02	0.4	19	<2	4.5	0.0027	--
Oct-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	1.09 H	<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	140 J	122	160	3.44 J	6.3	<0.8	<0.05	<0.5 J	<0.5	<20	<4	<3	<0.005	<0.01 J
3/20/12	17.7	194	7.27	284	11	29.9	130 J	147	140	1.88 J	<5	<0.8 J	<0.05	<0.5	<0.5 J	<20	5 J	4.4	<0.005 J	<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
Aug-97	--	--	--	--	<5	--	235	280	349	32	13.8	<0.5	<0.1	<0.02	0.3	22	<2	7.9	2.3	--
Oct-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	240 J	264	260	27.7 J	11.5	<0.8	0.07	<0.5 J	<0.5	<20	<4	<3	<0.005	<0.01 J
3/20/12	15.8	203	7.04	482	<5	13.2	260 J	262	250	23.8 J	8.7	<0.8 J	<0.05	<0.5	<0.5 J	<20	<4 J	4.5	<0.005 J	<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
Aug-97	--	--	--	--	<5	--	253	308	550	79.1	9.8	<0.5	<0.1	<0.02	0.5	37	<2	7.7	1.8	--
Oct-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	400 J	430	430	25.5 J	11.1	<0.8	<0.05	<0.5 J	<0.5	<20	<4	<3	<0.005	<0.01 J
3/20/12	14.6	193	7.1	762	<5	35	460 J	444	460	21.5 J	7	<0.8 J	<0.05	<0.5	<0.5 J	<20	<4 J	8.4	<0.005 J	<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
Aug-97	--	--	--	--	20	--	130	250	116	44.5	22	<0.5	0.8	<0.02	0.4	16	<2	2.7	1.1	--
Oct-97	--	--	--	--	<5	--	115	140	156	10.1	11.5	<0.5	<0.1	0.18	0.24	<15	<2	<1.0	<1.0	--

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
Aug-97	--	--	--	--	60	--	357	650	595	79.1	13.8	0.9	<0.1	1.6	1.5	94	3	14	3	<10
Oct-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	210 J	194	280	13.9 J	16.1	<0.8	<0.05	<0.5 J	1.12	<20	<4	<3	<0.005	<0.01 J
3/20/12	23.8	193	7.38	415	<5	922	200 J	197	230	8.86 J	13.8	<8 J	0.094	<0.5 J	1.16 J	<20	<6 R	5.6	<0.005 J	<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
Aug-97	--	--	--	--	<5	--	240	300	98	38.2	27.1	<0.5	0.6	0.09	0.6	40	<2	6	0.0032	--
Oct-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	0.904 H	<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	190 H	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	180 J	166	200	19.4 J	18.6	<0.8	0.087	<0.5 J	0.546	<20	<4	<3	<0.005	<0.01 J
3/20/12	18.5	190	7.3	344	<5	6.83	140 J	146	170	16.2 J	21.5	<0.8 J	0.073	<0.5	<0.5 J	<20	<4 J	<3	<0.005 J	<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
Aug-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	1.68 H	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	550 J	505	620	108 J	21.6	<8	0.063	<0.5 J	2.19	40	<4	4.1	<0.005	<0.01 J
3/21/12	18	172	6.74	1172	6	24.6	500 J	524	1000	99.4 J	21.9	<80 J	<0.05	<0.5	<0.5 J	22	<4 J	15.1	<0.005 J	<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	<0.005 J	<0.005 J	0.077	<0.003	<0.5	<0.005	41.6	<0.01	<0.01	<0.02	<0.01	0.688	<0.003 J	10.1	0.256	<0.0002	<0.03	<5	<5	<0.003 J	<0.01	<0.003 J	<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	2.04 J	<0.003	10.3	1.62	<0.0002	<0.03	<5	<5	<0.003	<0.01 J	<0.003	<0.03	0.0119

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
Aug-97	0.587	0.0035 B	0.0032 B	0.168 B	<0.0001	0.0227 B	<0.0003	41.5	0.0042 B	NA	<0.0011	0.004 B	1.01	0.0017 B	9.5	0.19	NA	<0.0013	1.01 B	5.41	NA	NA	<0.0026	<0.0012	0.024
Oct-97	5.24	0.0031 B	0.004 B	0.229	0.0011 B	0.0253 B	0.0011 B	45.7	0.0089 B	NA	0.0053 B	0.0085 B	10.3	0.0049	10.4	0.352	NA	0.0104 B	1.91 B	4.76 B	NA	NA	<0.0026	0.0086 B	0.0366
9/20/11	--	--	--	--	--	--	<0.005	41	--	--	--	--	0.662	<0.003	7.95	0.119	--	--	<5	<5	--	--	--	--	--
12/13/11	1.7	<0.005 J	<0.005 J	0.2	<0.003	<0.5	<0.005	44.1	<0.01	<0.01	<0.02	<0.01	2.75	<0.003 J	10.8	0.211	<0.0002	<0.03	<5	6.69	<0.003 J	<0.01	<0.003 J	<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	0.248 J	<0.003	11.4	0.188	<0.0002	<0.03	<5	6.24	<0.003	<0.01 J	<0.003	<0.03	<0.01

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
Aug-97	724	<0.003	0.353	8.11	0.0287	0.0873 B	<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
Oct-97	16.9	<0.003	0.0134	0.258	0.00083 B	0.0665 B	<0.0003	48.6	0.0265	--	0.0168 B	0.0254	35.7	0.0123	15.6	0.783	<0.0001	0.0364 B	6.97	26	<0.0028	<0.0009	<0.0026	0.0243 B	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	<0.005 J	<0.005 J	0.0774	<0.003	<0.5	<0.005	51	<0.01	<0.01	<0.02	<0.01	0.987	<0.003 J	12	0.119	<0.0002	<0.03	<5	14.9	<0.003 J	<0.01	<0.003 J	<0.03	<0.01
3/21/12	19.1	<0.005	0.0115 J	0.273	<0.003	<0.5	<0.005	58.2	0.0267	<0.01	<0.02	0.0218	33.7 J	0.0108	19.3	0.691	<0.0002	0.0409	<5	15.6	<0.003	<0.01 J	<0.003	<0.03	0.0792

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
Aug-97	0.662	<0.003	<0.0024	0.168 B	0.0001 B	0.0197 B	<0.0003	26.7	0.002 B	--	<0.0011	0.004 B	1.33	<0.001	6.47	0.195	--	<0.0013	1.56 B	7.38	--	--	<0.0026	<0.0012	0.0351
Oct-97	0.134 B	<0.003	<0.0024	0.154 B	<0.0001	0.0247 B	<0.0003	24.7	<0.0004	--	<0.0011	0.0025 B	0.226	<0.001	5.84	0.146	--	<0.0013	0.529 B	6.18	--	--	<0.0026	<0.0012	0.0163 B
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	<0.005 J	<0.005 J	0.185	<0.003	<0.5	<0.005	30.8	<0.01	<0.01	<0.02	<0.01	0.341	<0.003 J	7.66	0.0807	<0.0002	<0.03	<5	8.23	<0.003 J	<0.01	<0.003 J	<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	0.238 J	<0.003	8.85	0.223	<0.0002	<0.03	<5	9.91	<0.003	<0.01 J	<0.003	<0.03	<0.01

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
Aug-97	79.3	0.0049 B	0.0631	1.75	0.0037 B	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	0.0024 B	0.004 B	0.102	0.4
Oct-97	59.1	<0.003	0.0537	1.49	0.0025 B	0.961	0.0016 B	172	0.0967	--	0.0628	0.0779	131	0.0436	53.6	31.6	<0.0001	0.132	17	102	<0.0028	0.0014 B	<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	<0.005 J	<0.005 J	0.269	<0.003	<0.5	<0.005	58.1	<0.01	<0.01	<0.02	<0.01	5.42	<0.003 J	13.1	7.78	<0.0002	<0.03	7.62	13.6	<0.003 J	<0.01	<0.003 J	<0.03	<0.01
3/21/12	0.323	<0.005	0.00679 BJ	0.259	<0.003	<0.5	<0.005	49.6	<0.01	<0.01	<0.02	<0.01	2.9 J	<0.003	11.2	6.81	<0.0002	<0.03	6.33	11	<0.003	<0.01 J	<0.003	<0.03	<0.01

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
Aug-97	2.03	<0.003	0.007 B	1.59	0.00023 B	0.355	0.0003 B	288	0.004 B	--	0.0091 B	0.0069 B	4.3	0.0044	61.7	8.24	--	0.0129 B	3 B	64.1	--	--	0.0037 B	0.0029 B	0.103
Oct-97	5.31	<0.003	0.0083 B	1.36	0.00037 B	0.292	<0.0003	245	0.0086 B	--	0.0141 B	0.0118 B	10.7	0.0058	49.9	7.43	--	0.0188 B	2.9 B	53.9	--	--	<0.0026	0.0075 B	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	<0.005 J	<0.005 J	1.31	<0.003	<0.5	<0.005	212	<0.01	<0.01	<0.02	<0.01	0.333	<0.003 J	44.7	5.93	<0.0002	<0.03	<5	57.7	<0.003 J	<0.01	<0.003 J	<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	1.11 J	<0.003	46.6	6.23	<0.0002	<0.03	<5	58.5	<0.003	<0.01 J	<0.003	<0.03	0.0177

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
Aug-97	21.7	<0.003	0.0127	0.567	0.001 B	<0.0709	<0.0003	57.8	0.0249	--	0.0121 B	0.0315	26.6	0.0077	17	0.732	--	0.0248 B	7.43	10.4	--	--	<0.0026	0.0296 B	0.112
Oct-97	2.39	0.0034 B	<0.0024	0.343	0.00013 B	0.0286 B	<0.0003	53.7	0.0022 B	--	0.0019 B	0.0076 B	3.58	<0.001	11	0.174	--	0.0038 B	1.87 B	6.54	--	--	<0.0026	0.0039 B	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	<0.005 J	<0.005 J	0.498	<0.003	<0.5	<0.005	38.6	<0.01	<0.01	<0.02	<0.01	0.345	<0.003 J	6.31	0.726	<0.0002	<0.03	<5	<5	<0.003 J	<0.01	<0.003 J	<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	1.77 J	<0.003	8.39	0.802	<0.0002	<0.03	<5	<5	<0.003	<0.01 J	<0.003	<0.03	0.0106

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
Aug-97	2.01	<0.003	<0.0024	0.402	0.0001 B	0.0662 B	<0.0003	73.8	0.0032 B	NA	0.002 B	0.0051 B	3.04	0.0013 B	22.8	0.12	NA	0.0036 B	2.05 B	11.2	NA	NA	<0.0026	0.003 B	0.0621
Oct-97	0.184	<0.003	<0.0024	0.291	0.00013 B	0.0626 B	<0.0003	74.4	<0.0004	NA	0.0014 B	0.0018 B	0.372	<0.001	21.5	0.0697	NA	0.0018 B	1.2 B	9.78	NA	NA	<0.0026	<0.0012	0.0155 B
9/20/11	--	--	--	--	--	--	<0.005	75.8	--	--	--	--	0.578	<0.003	20.5	0.184	--	--	<5	11.1	--	--	--	--	--
12/13/11	0.253	<0.005 J	<0.005 J	0.294	<0.003	<0.5	<0.005	70	<0.01	<0.01	<0.02	<0.01	0.344	<0.003 J	21.6	0.125	<0.0002	<0.03	<5	12.5	<0.003 J	<0.01	<0.003 J	<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	0.386 J	<0.003	21.6	0.102	<0.0002	<0.03	<5	11.9	<0.003	<0.01 J	<0.003	<0.03	0.017

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
Aug-97	1.61	<0.003	<0.0024	0.803	0.0001 B	0.0765 B	<0.0003	110	0.0015 B	NA	0.0036 B	0.0066 B	2.2	0.0031	24.3	1.14	NA	0.0044 B	2.01 B	13.3	NA	NA	<0.0026	0.0016 B	0.0501
Oct-97	1.32	<0.003	<0.0024	1.26	0.00013 B	0.124	0.0004 B	127	0.00093 B	NA	0.0035 B	0.0076 B	1.99	0.0024 B	26	2.15	NA	0.0063 B	2.02 B	15.7	NA	NA	<0.0026	0.0019 B	0.0238
9/20/11	--	--	--	--	--	--	<0.005	153	--	--	--	--	0.261	<0.003	27.3	1.91	--	--	<5	16.7	--	--	--	--	--
12/13/11	0.153	<0.005 J	<0.005 J	1.16	<0.003	<0.5	<0.005	128	<0.01	<0.01	<0.02	<0.01	0.174	<0.003 J	26.8	1.73	<0.0002	<0.03	<5	17.8	<0.003 J	<0.01	<0.003 J	<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	0.427 J	<0.003	28.3	1.75	<0.0002	<0.03	<5	17.7	<0.003	<0.01 J	<0.003	<0.03	0.0154

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
Aug-97	10.1	0.0045 B	0.0061 B	1.58	0.00063 B	0.0348 B	0.0042 B	45.8	0.0092	NA	0.0105 B	0.0181 B	11.5	0.0114	14.8	0.485	NA	0.011 B	3.03 B	31.6	NA	NA	<0.0026	0.0102 B	0.105
Oct-97	0.228	<0.003	<0.0024	0.502	<0.0001	0.021 B	<0.0003	32.1	<0.0004	NA	<0.0011	0.0037 B	0.46	<0.001	9.45	0.0661	NA	<0.0013	0.897 B	9.53	NA	NA	<0.0026	0.0012 B	0.0212

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
Aug-97	59.1	0.0036 B	0.0476	1.79	0.0023 B	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	0.0013 B	<0.0026	0.0726	0.271
Oct-97	38.6	NA	0.0404	1.63	0.0017 B	0.32	0.0011 B	82.2	0.0705	NA	0.0463 B	0.0689	85.5	0.0113	28.8	12.7	<0.0001	0.0963	10.1	46.8	<0.0028	<0.0009	<0.0026	0.053	0.177
9/20/11	--	--	--	--	--	--	<0.005	66.6	--	--	--	--	0.835	<0.003	10.2	1.33	--	--	<5	19.5	--	--	--	--	--
12/13/11	0.683	<0.005 J	<0.005 J	0.327	<0.003	<0.5	<0.005	59.7	<0.01	<0.01	<0.02	<0.01	1.32	<0.003 J	10.8	1.78	<0.0002	<0.03	<5	19.8	<0.003 J	<0.01	<0.003 J	<0.03	<0.01
3/20/12	3.91	<0.005	0.00689 BJ	0.343	<0.003	<0.5	<0.005	58.8	<0.01	<0.01	<0.02	<0.01	7.22 J	<0.003	12.2	1.63	<0.0002	<0.03	<5	19	<0.003	<0.01 J	<0.003	<0.03	0.0235

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
Aug-97	8.59	<0.003	0.009 B	0.521	0.0004 B	0.145	<0.0003	70.5	0.0092 B	--	0.0112 B	0.0116 B	10.6	0.0044	19	3.43	--	0.0144 B	4.08 B	38	--	--	<0.0026	0.0083 B	0.0894
Oct-97	0.642	<0.003	0.0084 B	0.48	0.0001 B	0.145	<0.0003	55.6	0.0017 B	--	0.0056 B	0.0051 B	3	<0.001	12.7	4.17	--	0.0059 B	2.72 B	31.4	--	--	<0.0026	0.0012 B	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	<0.005 J	<0.005 J	0.414	<0.003	<0.5	<0.005	48.1	<0.01	<0.01	<0.02	<0.01	0.0989	<0.003 J	11.3	0.231	<0.0002	<0.03	<5	21.7	<0.003 J	<0.01	<0.003 J	<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	1.05 J	<0.003	10.8	0.0335	<0.0002	<0.03	<5	16.5	<0.003	<0.01 J	<0.003	<0.03	<0.01

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
Aug-97	40	<0.003	0.0176	1.36	0.0015 B	0.332	0.00047 B	234	0.0556	--	0.0311	0.0637	65.9	0.0251	67	5.87	<0.0001	0.0783	10.4	118	0.0041 B	<0.0009	<0.0026	0.0487 B	0.2
Oct-97	88.4	<0.003	0.0459	1.99	0.0037 B	0.41	0.002 B	271	0.146	--	0.0791	0.129	174	0.0585	88.3	9.55	<0.0001	0.192	13.5	113	0.0047 B	<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	<0.005 J	<0.005 J	0.601	<0.003	0.53	<0.005	146	<0.01	<0.01	<0.02	<0.01	3.03	<0.003 J	33.9	3.57	<0.0002	<0.03	<5	104	<0.003 J	<0.01	<0.003 J	<0.03	0.0156
3/21/12	0.709	<0.005	0.00582 BJ	0.59	<0.003	<0.5	<0.005	149	<0.01	<0.01	<0.02	<0.01	0.931 J	<0.003	36.8	1.62	<0.0002	<0.03	<5	108	<0.003	<0.01 J	<0.003	<0.03	<0.01

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

No dissolved metals data to date

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
Aug-97	0.0198 B	<0.003	<0.0024	0.163 B	<0.0001	0.0199 B	<0.0003	40.7	<0.0004	--	<0.0011	0.0026 B	0.0238 B	--	9.65	0.168	--	<0.0013	0.911 B	5.5	--	--	--	--	0.0825
Oct-97	0.0442 B	<0.003	<0.0024	0.173 B	0.00067 B	0.0285 B	0.00063 B	39.5	<0.0012	--	<0.0011	0.0012 B	0.0394 B	--	8.3	0.148	--	<0.0013	0.951 B	5.29	--	--	--	--	0.0148 B
9/20/11	--	--	--	--	--	--	<0.005	41	--	--	--	--	0.0795	<0.003	7.56	0.0636	--	--	<5	5.23	--	--	--	--	--

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
Aug-97	0.0163 B	--	<0.0024	0.137 B	<0.0001	0.0631 B	<0.0003	67.6	<0.0004	--	<0.0011	0.0008 B	0.0348 B	0.0052	15.4	0.22	0.0014	<0.0013	10.6	59.3	--	--	<0.0026	<0.0012	0.12
Oct-97	0.0407 B	--	<0.0024	0.068 B	<0.0001	0.0561 B	<0.0003	40.3	<0.0004	--	<0.0011	<0.0007	0.0471 B	<0.001	8.69	0.174	<0.0001	<0.0013	4.92 B	27.1	--	--	<0.0026	<0.0012	0.0161 B
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

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
Aug-97	0.0146 B	<0.003	<0.0024	0.151 B	<0.0001	0.0195 B	<0.0003	24.8	0.0008 B	--	<0.0011	<0.0007	0.0172 B	--	6.62	0.141	--	<0.0013	1.63 B	7.53	--	--	--	--	0.0396
Oct-97	0.0209 B	<0.003	<0.0024	0.155 B	<0.0001	0.0162 B	<0.0003	24.5	0.00073 B	--	<0.0011	<0.0007	0.0141 B	--	5.88	0.134	--	<0.0013	0.514 B	6.59	--	--	--	--	0.0152 B
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
Aug-97	<0.0083	--	0.0123	0.787	0.00017 B	1.21	0.00053 B	183	0.0035 B	--	0.0107 B	0.0162 B	5.4	<0.001	41	30.4	<0.0001	0.0179 B	17.5	121	--	--	0.003 B	<0.0012	0.117
Oct-97	0.0482 B	--	0.0139	0.786	0.0001 B	0.992	<0.0003	183	0.0057 B	--	0.0095 B	<0.0007	11.5	0.0011 B	38.5	30.9	<0.0001	0.0162 B	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

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
Aug-97	0.0179 B	<0.003	0.0036 B	1.55	<0.0001	0.334	<0.0003	281	0.0009 B	--	0.0067 B	0.0022 B	0.582	--	61.7	8.07	--	0.0093 B	2.8 B	62.5	--	--	--	--	0.0635
Oct-97	0.0154 B	<0.003	<0.0024	1.45	<0.0001	0.321	<0.0003	274	0.0014 B	--	0.0061 B	<0.0007	0.595	--	55	8	--	0.0097 B	2.34 B	62.8	--	--	--	--	0.023

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
Aug-97	<0.0083	0.0038 B	<0.0024	0.242	<0.0001	0.0324 B	<0.0003	57.9	<0.0004	--	<0.0011	0.0024 B	0.0061 B	--	12.9	0.123	--	<0.0013	2.75 B	10.2	--	--	--	--	0.0249
Oct-97	0.0158	<0.003	<0.0024	0.276	<0.0001	0.0275 B	<0.0003	54.6	<0.0004	--	<0.0011	0.00083 B	0.0114 B	--	10.9	0.0941	--	0.0017 B	1.42 B	7.98	--	--	--	--	0.0387
3/22/06	--	--	--	--	--	--	<0.005	44.3	--	--	--	--	0.168	<0.005	8.7	0.0963	--	--	0.803	4.83	--	--	--	--	--

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
Aug-97	0.016 B	<0.003	<0.0024	0.257	0.0001 B	0.0531 B	<0.0003	73.2	<0.0004	--	<0.0011	0.0024 B	0.0091 B	--	23	0.0617	--	<0.0013	1.62 B	11.1	--	--	--	--	0.0375
Oct-97	0.0273 B	<0.003	<0.0024	0.271	<0.0001	0.0559 B	<0.0003	71.9	<0.0004	--	<0.0011	0.0007 B	0.0191 B	--	20.9	0.0553	--	0.0014 B	1.27 B	10.2	--	--	--	--	0.0155 B

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
Aug-97	0.0173 B	<0.003	<0.0024	0.686	0.0001 B	0.073 B	<0.0003	112	<0.0004	--	0.0024 B	0.0069 B	0.005 B	--	25.2	1.08	--	0.0021 B	1.71 B	13.5	--	--	--	--	0.0393
Oct-97	0.0228 B	<0.003	<0.0024	1.06	<0.0001	0.12	<0.0003	129	<0.0004	--	0.0022 B	0.0011 B	0.0372 B	--	26.1	2.08	--	0.0051 B	1.93 B	16.1	--	--	--	--	0.0166 B

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
Aug-97	<0.0083	0.0059 B	<0.0024	0.267	<0.0001	0.028 B	<0.0003	41.2	<0.0004	--	0.0014 B	0.0057 B	0.0081 B	--	12.6	0.0951	--	<0.0013	1.19 B	31.9	--	--	--	--	0.0262
Oct-97	0.019 B	<0.003	<0.0024	0.396	<0.0001	0.0218 B	<0.0003	34.1	0.0004 B	--	<0.0011	<0.0007	0.0117 B	--	10.2	0.0433	--	<0.0013	0.84 B	10.3	--	--	--	--	0.0182 B

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
Aug-97	0.0142 B	--	0.0198	0.847	0.0001 B	0.284	<0.0003	104	0.0019 B	--	0.0063 B	0.0014 B	7.81	<0.001	21	14.1	--	0.0096 B	7.64	55.4	--	--	<0.0026	<0.0012	0.047
Oct-97	0.0382 B	--	0.0189	0.88	--	0.333	<0.0003	88.7	0.0027 B	--	0.006 B	0.00077 B	8.07	<0.001	17.3	12.9	--	0.0108 B	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

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
Aug-97	<0.0083	<0.003	0.0048 B	0.396	<0.0001	0.125	<0.0003	67.7	<0.0004	--	0.0052 B	0.0011 B	0.346	--	17.3	3.3	--	0.0046 B	2.97 B	38.2	--	--	--	--	0.0651
Oct-97	0.0132 B	<0.003	0.0073 B	0.478	<0.0001	0.14	<0.0003	56.3	0.00087 B	--	0.0041 B	<0.0007	1.42	--	12.9	3.99	--	0.0048 B	2.77 B	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
Aug-97	<0.0083	--	<0.0024	0.822	0.0001 B	0.331	0.0003 B	220	0.0008 B	--	0.0017 B	0.0086 B	0.009 B	<0.001	56.2	4.53	<0.0001	0.0129 B	5.28	120	--	--	<0.0026	<0.0012	0.0455
Oct-97	0.0755 B	--	<0.0024	0.887	<0.0001	0.396	<0.0003	255	0.0011 B	--	0.0031 B	<0.0007	0.753	<0.001	59.9	7.12	<0.0001	0.0196 B	3.98 B	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	--	--	--	--	--

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

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

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

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

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

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

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

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

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

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

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

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

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

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 Contamination

Conventionals

(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
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

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

Conventionals

(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
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

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

Conventionals

(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
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

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

Conventionals

(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
NH3-N	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

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

Conventionals

(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
TKN-N	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

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

Conventionals

(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
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

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

Conventionals

(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
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

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_T	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
Arsenic_T	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

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_T	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

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

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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
Chromium_T	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
Cobalt_T	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
Copper_T	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

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

Total Metals (all values in mg/l)

(Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Iron_T	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

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

Total Metals (all values in mg/l)

(Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Lead_T	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

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

Total Metals (all values in mg/l)

(Note: Qualifiers are not included in these tables)

Analyte	Year/ Quarter	CD-1	CD-1RA	MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4A	MW-5A	MW-6A	MW-6B	MW-7A
Magnesium_T	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

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_T	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

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Potassium_T	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

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Sodium_T	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

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_T	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
Zinc_T	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

Appendix D

Landfill Gas Testing Results

Cortland County Towslee Landfill

Cortland County-West Side Extension

GAS MONITORING

Date: 3/20/2012

LOCATION	%O2	LEL (ppm)
AA-1	20.9	0
AA-2	20.9	0
AA-3	20.9	0
AA-4	20.9	0
AA-5	20.9	0
AA-6A	20.9	0
AA-7A	20.9	0
AA-8	20.9	0
AA-9	20.8	0
AA-10	20.4	0
AA-11	20.4	0
AA-12	20.7	0
AA-13	20.9	0
AA-14	20.9	0
AA-15	20.9	0
AA-16	20.9	0
AA-17	20.4	0
AA-6B	20.9	0
AA-7B	20.9	0
GW-1	20.9	0
GFD-1	20.9	0
GFD-2	20.9	0
GFLD-1	20.9	0
GFLD-2	20.9	0
GFLD-3	20.9	0
SH-At Door	20.5	0
SH-At Grate	20.5	0
MW-6A	20.9	0
MW-6B	20.9	0
MW-5A	20.9	0
MW-4A	20.9	0
MW-3A	20.9	0
MW-3B	20.9	0
MW-1A	20.9	0
MW-1B	20.9	0
MW-2A	20.9	0
MW-2B	20.9	0

Meter: VRAE PGM7800

Recorded by: Dan Aumell