Environmental Monitoring Report
2009 Quarters 1 and 2

Cortland County Towslee Landfill

Town Line Road
Cortland County, New York

NYSDEC Region 7

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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 Quarters 1 and 2 of 2009, and serves as an annual report for the Towslee landfill.

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 enact 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.

In a letter dated November 7, 2005, NYSDEC outlined minimum sampling requirements for the Towslee landfill. As a result, Cortland County initiated quarterly monitoring in 2006 at seven groundwater monitoring wells. Proposed monitoring locations were identified by Cortland County Soil and Water Conservation District, and submitted to NYSDEC for review in a letter dated February 17, 2006.

Upstate Laboratories, Inc. (herein referred to as Upstate Labs) conducted all sample collection activities, and performed all laboratory analyses for Quarters 1 and 2 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 approximate limits of hazardous waste. 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 12, 2009
Second Quarter:	Routine	June 17, 2009
Third Quarter:	Routine	To be completed
Fourth Quarter:	Baseline	To be completed

3.2 Groundwater Monitoring Locations

Seven downgradient wells were sampled as part of the Towslee monitoring program. Well locations are shown on Figure 1. Four of the wells are finished in bedrock, and three are finished in overburden, as described below:

Bedrock	Overburden
MW-1B	MW-1A
MW-2B	MW-2A
MW-3A	MW-7A
MW-6B	

4.0 Assessment of Monitoring Results

This section provides an evaluation of groundwater monitoring results for Quarters 1 and 2 of 2009. 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 the Quarter 2 laboratory analytical report.
- Appendix C contains tables of historical water quality data through the latest monitoring round.

4.1 Contraventions of Water Quality Standards

This subsection compares groundwater quality data to NYS water quality standards.

Tables 1 and 2 summarize water quality results for Quarter 1.
Tables 3, 4 and 5 summarize water quality results for Quarter 2.

Available NYS water quality standards are included in these tables, and contraventions of standards are highlighted.

Concentrations for most parameters in Quarters 1 and 2 of 2009 met available water quality standards at all wells, although there continues to be evidence of mild landfill leachate contamination. Contraventions of standards are described below.

4.1.1 Conventionals and Field Parameters

pH - The acceptable range for pH is between 6.5 and 8.5. No pH contraventions were observed in Quarter 1. In Quarter 2, pH was slightly below this range for MW-2A (6.44) and MW-2B (6.43).

Color – The color standard is 15 standard units (SU). Color was only measured for the Baseline round of Quarter 2. The color standard was exceeded for three wells: (MW-1A at 18 SU, MW-2A at 65 SU, and MW-7A at 80 SU).

Turbidity – Turbidity exceeded the NYS standard of 5 NTU for 6 of 7 wells in Quarter 1, and 4 of 7 wells in Quarter 2.

Quarter 1 contraventions ranged from 5.6 to 40.9 NTU.
Quarter 2 contraventions ranged from 8.2 to 375 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 for Quarters 1 and 2 of 2009.

TDS results for MW-2B are: Quarter 1 (872 mg/l); Quarter 2 (870 mg/l)

TDS results for MW-7A are: Quarter 1 (748 mg/l); Quarter 2 (720 mg/l)

Ammonia - The ammonia standard of 2 mg/l was exceeded at MW-2A for Quarters 1 and 2 of 2009:

Quarter 1 (8.43 mg/l);
Quarter 2 (11.8 mg/l)

Ammonia at MW-2A also exceeded the standard for all previous monitoring events.

4.1.2 Metals

Total Barium – The barium water quality standard of 1 mg/l was exceeded for a single well in Quarter 2 (MW-2B at 1.43 mg/l), as it has in all previous monitoring events.

Total Iron - The NYS standard for iron is 0.3 mg/l.

In Quarter 1, six of the seven wells exceeded the standard, ranging from 0.322 to 7.77 mg/l.

In Quarter 2 five of the seven wells exceeded the standard, ranging from 0.464 to 10.1 mg/l. Dissolved metals were analyzed for Well MW-7A because turbidity exceeded 50 NTU. Total iron for this well was 10.1 mg/l, while dissolved iron was below the detection limit of 0.06 mg/l.

The iron standard has been frequently exceeded in the past at Towslee monitoring wells.

Total Manganese - The NYS standard for manganese is 0.3 mg/l.

In Quarter 1, three of seven wells exceeded the standard, ranging from 4.31 to 10.7 mg/l.

In Quarter 2, the same three wells exceeded the standard, ranging from 4.34 to 9.3 mg/l. Total manganese for MW-7A was 4.21 mg/l, while dissolved manganese was 3.78 mg/l.

The manganese standard has been frequently exceeded in the past at Towslee monitoring wells.

Sodium – The NYS sodium standard is 20 mg/l, and is relevant for people on severely restricted sodium diets. Contraventions in 2009 were as follows:

Quarter 1: MW-2B (49.3 mg/l) and MW-7A (97 mg/l).
Quarter 2: MW-2A (23.8 mg/l), MW-2B (55.4 mg/l) and MW-7A (103 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 Organics (VOCs)

VOC testing was conducted during the Baseline round of Quarter 2.

Vinyl chloride was detected in two wells in Quarter 2: MW-7A at 12 ug/l and MW-7A at 5.7 ug/l. These results are above the drinking water MCL of 2 ug/l for vinyl chloride.

Chloroethane was detected in Well MW-2B at 5.9 ug/l. This result is slightly above the drinking water MCL of 5 ug/l.

cis-1,2-dichloroethene was detected in Wells MW-2B (19 ug/l) and MW-7A (5.4 ug/l). Each of these results are above the drinking water MCL of 5 ug/l for cis-1,2-dichloroethene.

Toluene was detected in MW-3A at 82 ug/l. This is above the drinking water MCL of 5 ug/l.

There were no other contraventions of NYS water quality standards for Quarters 1 and 2 of 2009.

4.2 Trends

The seven wells that are sampled as part of the Towslee monitoring program were sampled twice in 1997 by B&L. To date 14 additional sampling rounds (10 Routine and 4 Baseline) have been conducted since monitoring resumed in 2006. All historical results are tabulated in Appendix C.

There was a significant improvement in groundwater quality downgradient of the Towslee landfill in 2006 compared to 1997. Subsequent results from 2007 through Quarter 2 of 2009 suggest groundwater quality has remained relatively stable, or has shown improvement, since 2006.

Trends are described in greater detail below.

4.2.1 Trends for Conventionals

In 1997 B&L identified the following conventionals as indicative of mild landfill leachate contamination: alkalinity, chloride; hardness; ammonia; TKN; COD; and TOC.

- Alkalinity continues to be generally similar to or lower than 1997 levels. The three wells with elevated alkalinity (MW-2A, MW-2B and MW-7A) show a continued decreasing trend since 2006.

- Chloride levels continue to be significantly lower than 1997 levels, apart from a single elevated reading of 1260 mg/l at MW-7A in Quarter 2 of 2008 (Upstate Labs reported an air spike during the analysis, which may account for this result).

- Hardness levels continue to be much lower than in 1997, with generally stable results since 2006.

- Ammonia - Well MW-2A continues to exhibit elevated ammonia levels, but continues to show a decreasing trend over time. Well MW-2B ammonia levels are consistently near 1 mg/l, which is below the water quality standard of 2 mg/l. For the other wells, ammonia levels since 2006 are generally below the detection limit.

- TKN levels at MW-2A remain elevated, but apart from a very high reading in Quarter 1 of 2007, the trend at this well is decreasing. TKN for other wells shows a generally decreasing trend, or results are generally below the detection limit.

- COD continues to show an overall decrease compared to 1997 levels. COD levels for two wells have remained relatively stable since 2006. For the other five wells, COD has generally been below the detection limit since 2006.

- Total organic carbon (TOC) - the three wells with the highest TOC levels are MW-2A, MW-2B and MW-7A. Despite high readings in 2008, these wells show an overall decreasing trend over time. TOC for Well MW-3 has been largely below the detection limit since 2006, with a few measurements similar to 1997 levels. All results for MW1A, MW1B, and MW-6B have been below the detection limit since Q2 of 2006.

- For all other conventionals, the results for 2009 are generally lower than or similar to past results.

4.2.2 Trends for Total Metals

The metals identified by B&L in 1997 as indicative of mild landfill leachate contamination are:

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

All of these metals were analyzed under the Baseline round of Quarter 2 in 2009. For the Routine event of Quarter 1, the only metals analyzed were: calcium, iron, lead, magnesium, manganese, potassium, and sodium.

- Aluminum levels have continued to show a significant decrease through 2009, compared to 1997.

- Arsenic levels have decreased since 1997. All results since 2006 have been below the detection limit at all sampled wells, except for a single detection at MW-2A in Quarter 1 of 2008, and the MW-2A reading of 0.0145 mg/l was significantly lower than 1997 levels.

- Calcium – Calcium levels for MW-2A, MW-2B, and MW-7A are elevated, but lower than 1997 levels. Calcium levels at these three wells are fairly stable since 2006. Calcium levels at the remaining four wells have remained fairly stable over time.

- Chromium - chromium has decreased since 1997 for all wells that exhibited elevated concentrations in 1997. Most results since 2006 are below the detection limit at all wells.

- Cobalt has not been detected since monitoring resumed in 2006.

- Copper was not detected at any well in 2007, 2008 or 2009.

- Iron levels continue to show an overall decreasing trend. An elevated reading was observed at MW-7A in Q2 of 2009, probably due to high turbidity (the dissolved iron level at MW-7A was below the detection limit).

- Lead has not been detected at any well since Q3 of 2007.

- Magnesium levels have decreased compared to 1997 levels. Since 2006, magnesium levels have been relatively stable.

- Manganese levels have decreased compared to 1997 levels. Since 2006, magnesium levels have been relatively stable.

- Potassium levels have decreased compared to 1997 levels. Since 2006, magnesium levels have been relatively stable.

- Sodium levels have remained fairly consistent over time.
- Vanadium has not been detected at any well since monitoring resumed in 2006.
- Zinc levels have decreased at all wells compared to 1997 levels, and have remained fairly stable since monitoring resumed in 2006.
- Results for all other metals are similar to or lower than 1997 levels.

4.2.3 Trends for Volatile Organics VOCs

There are 13 different VOCs from the current EPA 8260 Method that have been detected in one or more of the seven monitoring wells. Evaluation of trends focuses on these 13 VOCs. The historical database in Appendix C presents results for these VOCs from 1997 to the present.

VOCs were analyzed in Q2 of 2009, and measured a total of seven times since 1997.

Since 1997, four wells have had no VOC contamination, or had sporadic low level detections. For the other three wells, a few VOCs have been fairly consistently detected at low concentrations since 1997. Below is a summary of VOC trends for each well.

MW-1A – no VOCs were detected in any well in Q2 of 2009, nor in any previous monitoring.

MW-1B – no VOCs were detected in any well in Q2 of 2009. The only previous VOC detected at this well is a suspected artifact of laboratory contamination in 2008.

MW-2A – Chlorobenzene was reported at 3 ug/l in Q2 of 2009, but is "estimated" because it was below the detection limit. VOCs in general have decreased at this well since several were detected at low levels in 1997.

MW-2B – Vinyl chloride (12 ug/l), chloroethane (5.9 ug/l) and cis-1,2-dichloroethene (19 ug/l) were detected in Q2 of 2009. Low level VOC contamination persists at this well.

MW-3A – In Q2 of 2009, acetone, a common laboratory contaminant, was detected at 24 ug/l, and toluene was detected at 82 ug/l. Toluene had not been detected at this well in the past. One or two VOCs have been detected at this well in three of six monitoring events since 1997. There is no apparent pattern to the results.

MW-6B - no VOCs were detected in any well in Q2 of 2009. The only previous VOC detected at this well is a suspected artifact of laboratory contamination in 2008.

MW-7A – Low levels of vinyl chloride, cis-1,2-dichloroethene, and 1,1-dichloroethane persist at this well. There is no significant trend, either up or down.

5.0 Quality Control

Quality control samples and data validation are discussed below.

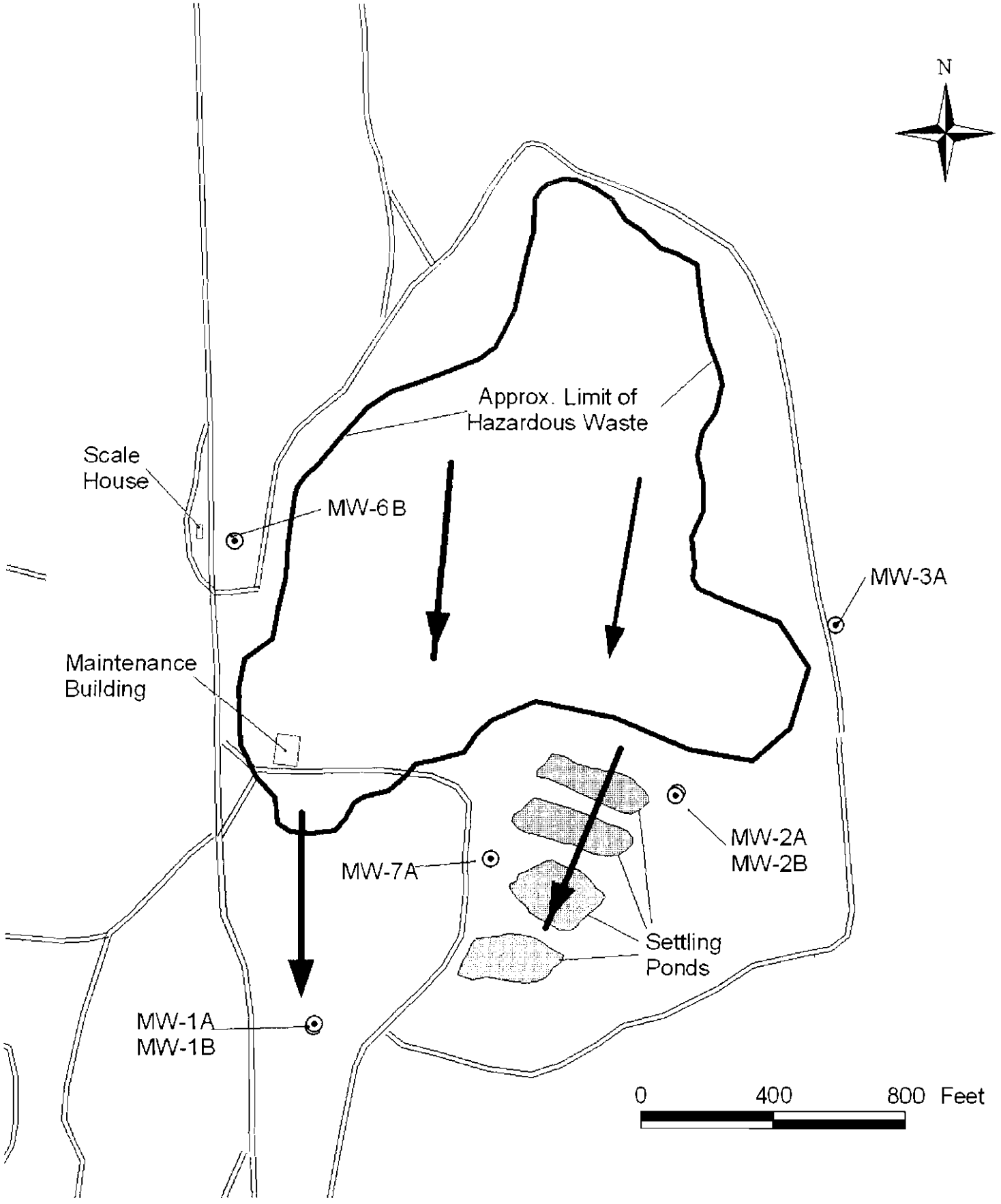
5.1 Quality Control Samples

Duplicate samples were collected for Quarters 1 and 2. Relative Percent Differences (RPDs) were generally less than 20%. The RPD for total iron in Quarter 1 was above 20 percent. The RPDs for total aluminum, iron, manganese and zinc in Quarter 2 were also above 20 percent. These results may be due to differences in the amount of sediment in the split samples, which can greatly affect total metals results.

A trip blank and holding blank associated with VOC testing were analyzed for Quarter 2. All results were below the detection limit.

5.2 Data Validation

Upstate Labs performed internal data validation for the Quarter 1 and 2 analytical data. The results of data validation are summarized in the laboratory reports of Appendix A and B. We believe the Quarter 1 and Quarter 2 data are adequate to characterize groundwater quality downgradient of the Towslee landfill.



Approx. Goundwater
Flow Direction

Figure 1.
Monitoring Well Locations
Towslee Landfill

Table 1
Contraventions of NYS Water Quality Standards for Field and Inorganic Parameters
Towslee Landfill - Quarter 1 2009

Parameter	Units	NYS Water Quality Standard		Monitoring Well						
				Over-burden	Bedrock	Over-burden	Bedrock	Bedrock	Bedrock	Over-burden
				MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-6B	MW-7A
Temperature	(deg C)	--		3.6	2.7	3.1	4.9	4.2	6.5	4.2
Eh	(mV)	--		-21	-44	-34	-22	-26	-38	-19
pH	(Std Units)	6.5 - 8.5	a	7.4	7.8	7.63	7.42	7.49	7.7	7.35
Specific Conductance	(uS/cm)	--		344	205	601	1135	1069	327	1014
Color	(Units)	15	a, b	--	--	--	--	--	--	--
Turbidity	(NTU)	5	a	16.7	2.47	73.6	11	10.9	9.56	40.9
Alkalinity, Total (As CaCO3)	(mg/l)	--		130	92 H	320	650	18	120	500
Hardness (As CaCO3)	(mg/l)	--		161	97.1	229	678	38.1	142	496
Total Dissolved Solids	(mg/l)	500	a	256	160	316	872	88	188	748
Chloride	(mg/l)	250	a, b	30.4	2.86 H	13.7	118	1.85	13.3	114
Sulfate	(mg/l)	250	a, b	14	6.37	<5	<5	7.53	13.2	21
Bromide	(mg/l)	2	a	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2
Nitrogen, Nitrate (As N)	(mg/l)	10	a, b	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrogen, Ammonia (As N)	(mg/l)	2 *	a	<0.5	<0.5	8.43	0.642	<0.5	<0.5	<0.5
Nitrogen, Kjeldahl, Total	(mg/l)	--		<0.5	<0.5	10.3	1.22	<0.5	<0.5	1.92
Chemical Oxygen Demand	(mg/l)	--		<20	<20	<20	<20	<20	<20	<20
Biochemical Oxygen Demand	(mg/l)	--		<4	<4	<4	<4	<4	<4	<4
Organic Carbon, Total	(mg/l)	--		<3	<3	4.8	4.5	<3	<3	5.1
Phenolics, Total Recoverable	(mg/l)	0.001	a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	0.2	a, b	--	--	--	--	--	--	--

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.
H - Exceeded hold time
-- not analyzed

Table 2
Contraventions of NYS Water Quality Standards for Metals
Towslee Landfill - Quarter 1 2009

Parameter	NYS Water Quality Standard		Total Metals						
			Over-burden	Bedrock	Over-burden	Bedrock	Bedrock	Bedrock	Over-burden
			MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-6B	MW-7A
Aluminum	--		--	--	--	--	--	--	--
Antimony	0.003	a	--	--	--	--	--	--	--
Arsenic	0.025	a	--	--	--	--	--	--	--
Barium	1	a	--	--	--	--	--	--	--
Beryllium	0.004	b	--	--	--	--	--	--	--
Boron	1	a	--	--	--	--	--	--	--
Cadmium	0.005	a, b	<0.005	**0.0054**	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	--		47.2	27.7	66.7	201	12.3	39.6	140
Chromium	0.05	a	--	--	--	--	--	--	--
Chrom, Hex	0.05	a	--	--	--	--	--	--	--
Cobalt	--		--	--	--	--	--	--	--
Copper	0.2	a	--	--	--	--	--	--	--
Iron	0.3	a, b	**0.818**	**2.92**	**7.77**	**0.466**	**0.6**	0.268	**0.322**
Lead	0.015	b	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	--		10.6	6.76	15.1	42.9	1.82	10.5	35.8
Manganese	0.3	a, b	0.0917	0.223	**10.7**	**6.5**	0.294	0.0257	**4.31**
Mercury	0.0007	a	--	--	--	--	--	--	--
Nickel	0.1	a	--	--	--	--	--	--	--
Potassium	--		1.52	<1	7.48	2.44	<1	1.01	1.62
Sodium	20	a, b	13.4	6.37	17.8	**49.3**	<1	13.1	**97**
Selenium	0.01	a	--	--	--	--	--	--	--
Silver	0.05	a	--	--	--	--	--	--	--
Thallium	0.002	b	--	--	--	--	--	--	--
Vanadium	--		--	--	--	--	--	--	--
Zinc	5	b	--	--	--	--	--	--	--

all units are mg/l

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

b - Part 5 Drinking Water MCL

1.23 indicates contravention of standard.

-- not analyzed

Table 3
Contraventions of NYS Water Quality Standards for Field and Inorganic Parameters
Towslee Landfill - Quarter 2 2009

Parameter	Units	NYS Water Quality Standard		Monitoring Well						
				Over-burden	Bedrock	Over-burden	Bedrock	Bedrock	Bedrock	Over-burden
				MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-6B	MW-7A
Temperature	(deg. C)	--		19.6	18.7	16.5	15.5	14.8	14.1	16.0
Eh	(mV)	--		143	139	239	237	359	186	219
pH	(Std Units)	6.5 - 8.5	a	8.09	8.13	6.44	6.43	8.16	7.32	6.77
Specific Conductance	(uS/cm)	--		199	124	413	739	187	187	622
Color	(Units)	15	a, b	18	9	65	8	7	11	80
Turbidity	(NTU)	5	a	23.4	6.2	40.9	4.17	4.55	3.62	375
Alkalinity, Total (As CaCO3)	(mg/l)	--		100 H	100	360	580	160	140	500
Hardness (As CaCO3)	(mg/l)	--		163	111	295	782	196	154	534
Total Dissolved Solids	(mg/l)	500	a	180	110	220	870	120	190 H	720
Chloride	(mg/l)	250	a, b	30.7	4.74	20.5	159	9.25	19.4	128
Sulfate	(mg/l)	250	a, b	14.3	5.19	<5	<5	11.2	14.2	22.3
Bromide	(mg/l)	2	a	<2	<0.2	<2	<0.2	<0.2	<2	<0.2
Nitrogen, Nitrate (As N)	(mg/l)	10	a, b	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrogen, Ammonia (As N)	(mg/l)	2 *	a	<0.5	<0.5	1.18	0.665	<0.5	<0.5	<0.5
Nitrogen, Kjeldahl, Total	(mg/l)	--		<0.5	<0.5	13.5	1.19	<0.5	<0.5	0.851
Chemical Oxygen Demand	(mg/l)	--		<20	<20	31	23	<20	<20	38
Biochemical Oxygen Demand	(mg/l)	--		<4	<4	12	<4	<4	<4	<4
Organic Carbon, Total	(mg/l)	--		<3	<3	7.2	5.5	<3	<3	5.7
Phenolics, Total Recoverable	(mg/l)	0.001	a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	0.2	a, b	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

a - Part 703 Water Quality Standard (assumes Class GA waters)
b - Part 5 Drinking Water MCL
* Standard is for NH4+ and NH3 combined, as is the laboratory analysis
1.23 indicates contravention of standard.
H - Exceeded hold time
-- not analyzed

Table 4
Contraventions of NYS Water Quality Standards for Metals
Towslee Landfill - Quarter 2 2009

Parameter	NYS Water Quality Standard		Total Metals							Dissolved Metals
			Over-burden	Bedrock	Over-burden	Bedrock	Bedrock	Bedrock	Over-burden	Over-burden
			MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-6B	MW-7A	MW-7A
Aluminum	--		1.57	0.255	<0.1	0.235	<0.1	<0.1	9.56	<0.1
Antimony	0.003	a	<0.015	<0.03	<0.03	<0.03	<0.015	<0.03	<0.03	<0.03
Arsenic	0.025	a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Barium	1	a	0.0732	0.232	0.471	**1.43**	0.458	0.404	0.714	0.599
Beryllium	0.004	b	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Boron	1	a	<0.5	<0.5	<0.5	<0.5	<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
Calcium	--		47	31.4	87.1	237	59.5	42.9	150	140
Chromium	0.05	a	<0.005	<0.01	<0.01	<0.01	<0.01	<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	--
Cobalt	--		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	0.2	a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	0.3	a, b	**1.65**	**0.523**	**8.28**	**0.464**	0.155	0.104	**10.1**	<0.06
Lead	0.015	b	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	--		11.1	7.83	18.8	45.9	11.6	11.4	38.7	34.1
Manganese	0.3	a, b	0.169	0.25	**12.8**	**6.63**	0.164	0.0585	**4.21**	**3.78**
Mercury	0.0007	a	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.1	a	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Potassium	--		1.78	<1	12.4	2.71	<1	1.03	3.58	1.82
Sodium	20	a, b	13.9	8.15	**23.8**	**55.4**	6.81	17.9	**103**	**97.2**
Selenium	0.01	a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	0.05	a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium	0.002	b	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	--		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Zinc	5	b	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0297	0.0228

all units are mg/l

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

b - Part 5 Drinking Water MCL

1.23 indicates contravention of standard.

-- not analyzed

Table 5
Contraventions of NYS Water Quality Standards for Organics
Towslee Landfill - Quarter 2 2009

Parameter *	NYS Water Quality Standard		Organics						
			Over-burden	Bedrock	Over-burden	Bedrock	Bedrock	Bedrock	Over-burden
			MW-1A	MW-1B	MW-2A	MW-2B	MW-3A	MW-6B	MW-7A
Vinyl chloride	2	b	< 5	< 5	< 5	**12**	< 5	< 5	**5.7**
Chloroethane	5	b	< 5	< 5	< 5	**5.9**	< 5	< 5	< 5
Acetone	50	b	< 10	< 10	< 10	< 10	24	< 10	< 10
Methylene chloride	5	b	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	5	b	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethene	5	b	< 5	< 5	< 5	**19**	< 5	< 5	**5.4**
1,1-Dichloroethane	5	b	< 5	< 5	< 5	< 5	< 5	< 5	5 J
Benzene	1	a	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	b	< 5	< 5	< 5	< 5	**82**	< 5	< 5
Chlorobenzene	5	b	< 5	< 5	3 J	< 5	< 5	< 5	< 5
Ethylbenzene	5	b	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes, Total	5	b	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	5	b	< 5	< 5	< 5	< 5	< 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

Appendix A

Analytical Laboratory Results and Internal Quality Control Summary

Quarter 1 2009

Cortland County Towslee Landfill

TOWSLEE Q1 2009

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) 724-0478 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 247-4313

Mr. Patrick Reidy
Cortland Co. Soil and Water Cons. Dist.
100 Grange Place
Room 202
Cortland, NY 13045

May 7, 2009

RE: Analytical Report:
Towslee Landfill

Order No.: U0903258

Dear Mr. Reidy:

Upstate Laboratories, Inc. received 8 samples on 3/12/09 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, 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

Enclosures: ASP-A Narrative, report, field data, invoice

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) 724-0478 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 247-4313

Mr. Patrick Reidy
Cortland Co. Soil and Water Cons. Dist.
100 Grange Place
Room 202
Cortland, New York 13045

May 8, 2009

RE: Towslee Landfill, Cortlandville, New York, Samples Collected March 12, 2009
Case Narrative for ULI SDG Number COR20, Workorder #U0903258

The following is a New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category A case narrative for the above referenced project. The test results were subject to an internal validation as described below:

Internal Validation

For each test, the chemist sorted the samples into batches of twenty samples or less and added quality control (QC) samples. The batches were analyzed by USEPA and NYSDEC approved test procedures (Table 1). During the course of the analyses the chemist compared the quality control test results to performance criteria and (if necessary) took corrective actions. At the end of the analysis, the data was assembled into data packages and submitted to the section supervisor for review and approval. On the cover of each data package the analyst described any anomaly that may have occurred and, if it did occur, why the data was still found acceptable. A summary of the comments on the cover sheet of each test from each laboratory follows:

Trace Metals

Test	Batch	Anomaly
Ca,Cd,Fe,Pb,Mg,Mn,K,Na	R41834	Criteria were satisfied.
Pb	R42027	Criteria were satisfied.

Wet Chemistry

Test	Batch	Anomaly
BOD	R40976	Criteria were satisfied.
Nitrate-Nitrogen	R41074	Criteria were satisfied.
COD	R40959	Criteria were satisfied.
TKN	R41015	Criteria were satisfied.
Bromide	R41102	Criteria were satisfied.
TDS	R40955	Criteria were satisfied.
Sulfate	R41094	Criteria were satisfied.
	R41146	Criteria were satisfied.

The total number of pages in this Data Package is : 4 .

Wet Chemistry (continued)

Test	Batch	Anomaly
Alkalinity, Total	R40984	Sample locations MW-1B and MW-1B DUPE were reanalyzed for Total Alkalinity in analytical sequence R42122. All other criteria were satisfied.
	R42122	Sample locations MW-1B and MW-1B DUPE were reanalyzed for Total Alkalinity over ASP holding time; however, the original analyses were performed within ASP holding time. All other criteria were satisfied.
Chloride	R40985	Sample locations MW-1B and MW-1B DUPE were reanalyzed for Chloride in analytical sequence R42123. All other criteria were satisfied.
	R42123	Sample locations MW-1B and MW-1B DUPE were reanalyzed for Chloride over ASP holding time; however, the original analyses were performed within ASP holding time. All other criteria were satisfied.
Phenols, Total	R41030	Sample location MW-2B was reanalyzed for Total Phenols in analytical sequence R41180. All other criteria were satisfied.
	R41180	Sample location MW-2B was reanalyzed for Total Phenols within ASP holding time. All other criteria were satisfied.
Ammonia-Nitrogen	R41015	Criteria were satisfied.
	R41058	Criteria were satisfied.
TOC	R40981	The ICV recovery for TOC was above QC acceptance limits. All other criteria were satisfied.

Should questions arise please do not hesitate to call the Environmental Project Coordinator (EPC) assigned to your job or myself.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and/or in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Sincerely,
UPSTATE LABORATORIES, INC.

Anthony J. Scala
Director

COR20A

Table 1
Methodologies

The analyses were performed using test methods developed by the USEPA and reorganized by the NYSDEC in the Analytical Services Protocol (ASP). The specific method numbers are:

Parameter	Method	Reference
Cadmium	200.7	(1)
Calcium	200.7	(1)
Iron	200.7	(1)
Lead	200.7	(1)
Magnesium	200.7	(1)
Manganese	200.7	(1)
Potassium	200.7	(1)
Sodium	200.7	(1)
BOD	405.1	(1)
Nitrate-Nitrogen	353.2	(1)
Alkalinity, Total	310.2	(1)
Chloride	325.2	(1)
COD	410.4	(1)
Ammonia-Nitrogen	350.1	(1)
Sulfate	375.4	(1)
TDS	160.1	(1)
TKN	351.2	(1)
TOC	415.1	(1)
Phenols	420.4	(1)
Bromide	300.1	(1)

Reference
1) New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP), 7/05 Revision

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0903258	**Collection Date:**	3/12/2009 10:31:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	344	1.0		umhos/cm		3/12/2009 10:31:00 AM
Eh	-21	-300		mV		3/12/2009 10:31:00 AM
pH	7.40	6.5-8.5		SU		3/12/2009 10:31:00 AM
Temperature	3.6			degC		3/12/2009 10:31:00 AM
Turbidity	16.7	5.0		NTU		3/12/2009 10:31:00 AM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **BY**
Bromide	ND	0.20		mg/L	1	3/19/2009
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **LJ**
Cadmium	ND	5.00		µg/L	1	4/23/2009 12:38:23 PM
Calcium	47200	1000		µg/L	1	4/23/2009 12:38:23 PM
Iron	818	60.0		µg/L	1	4/23/2009 12:38:23 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:38:23 PM
Magnesium	10600	1000		µg/L	1	4/23/2009 12:38:23 PM
Manganese	91.7	10.0		µg/L	1	4/23/2009 12:38:23 PM
Potassium	1520	1000		µg/L	1	4/23/2009 12:38:23 PM
Sodium	13400	1000		µg/L	1	4/23/2009 12:38:23 PM
Hardness, Total(CaCO3)	161000	7000		µg/L	1	4/23/2009 12:38:23 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	256	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	130	10		mg/LCaCO3	1	3/14/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	30.4	1.00		mg/L	1	3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **KAM**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	3/17/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	14.0	5.00		mg/L	1	3/23/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM

Approved By: PH **Date:** 5-7-09

Qualifiers:

- * Low Level
- B *Analyte detected* in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0903258	**Collection Date:**	3/12/2009 10:31:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0903258	**Collection Date:**	3/12/2009 10:37:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	205	1.0		umhos/cm		3/12/2009 10:37:00 AM
Eh	-44	-300		mV		3/12/2009 10:37:00 AM
pH	7.80	6.5-8.5		SU		3/12/2009 10:37:00 AM
Temperature	2.7			degC		3/12/2009 10:37:00 AM
Turbidity	2.47	5.0		NTU		3/12/2009 10:37:00 AM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **BY**
Bromide	ND	0.20		mg/L	1	3/19/2009
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **LJ**
Cadmium	5.42	5.00		µg/L	1	4/23/2009 12:42:56 PM
Calcium	27700	1000		µg/L	1	4/23/2009 12:42:56 PM
Iron	2920	60.0		µg/L	1	4/23/2009 12:42:56 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:42:56 PM
Magnesium	6760	1000		µg/L	1	4/23/2009 12:42:56 PM
Manganese	223	10.0		µg/L	1	4/23/2009 12:42:56 PM
Potassium	ND	1000		µg/L	1	4/23/2009 12:42:56 PM
Sodium	6370	1000		µg/L	1	4/23/2009 12:42:56 PM
Hardness, Total(CaCO3)	97100	7000		µg/L	1	4/23/2009 12:42:56 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	160	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	92	10	H	mg/LCaCO3	1	5/6/2009
NOTES: Sample reanalyzed over holding time. Original analysis within holding time.						
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	2.86	1.00	H	mg/L	1	5/6/2009
NOTES: Sample reanalyzed over holding time. Original analysis within holding time.						
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **KAM**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	3/17/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE				**E375.4**		Analyst: **KAF**

Approved By: PH **Date:** 5-7-09

Qualifiers:

- * Low Level
- B *Analyte detected* in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0903258	**Collection Date:**	3/12/2009 10:37:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SULFATE			**E375.4**			Analyst: **KAF**
Sulfate	6.37	5.00		mg/L	1	3/23/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)			**E405.1**			Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)			**E410.4**			Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)			**E415.1**			Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS			**E420.4**		**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0903258	**Collection Date:**	3/12/2009 11:20:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	601	1.0		umhos/cm		3/12/2009 11:20:00 AM
Eh	-34	-300		mV		3/12/2009 11:20:00 AM
pH	7.63	6.5-8.5		SU		3/12/2009 11:20:00 AM
Temperature	3.1			degC		3/12/2009 11:20:00 AM
Turbidity	5.60	5.0		NTU		3/12/2009 11:20:00 AM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **BY**
Bromide	ND	2.0		mg/L	10	3/19/2009
NOTES: The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **LJ**
Cadmium	ND	5.00		µg/L	1	4/23/2009 12:47:31 PM
Calcium	66700	1000		µg/L	1	4/23/2009 12:47:31 PM
Iron	7770	60.0		µg/L	1	4/23/2009 12:47:31 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:47:31 PM
Magnesium	15100	1000		µg/L	1	4/23/2009 12:47:31 PM
Manganese	10700	10.0		µg/L	1	4/23/2009 12:47:31 PM
Potassium	7480	1000		µg/L	1	4/23/2009 12:47:31 PM
Sodium	17800	1000		µg/L	1	4/23/2009 12:47:31 PM
Hardness, Total(CaCO3)	229000	7000		µg/L	1	4/23/2009 12:47:31 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	316	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	320	10		mg/LCaCO3	1	3/14/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	13.7	1.00		mg/L	1	3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	8.43	0.500		mg/L	1	3/19/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	10.3	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	ND	5.00		mg/L	1	3/23/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0903258	**Collection Date:**	3/12/2009 11:20:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)			**E405.1**			Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)			**E410.4**			Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)			**E415.1**			Analyst: **VAW**
Organic Carbon, Total	4.8	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS			**E420.4**		**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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 deteeted below quantitation limits
ND	Not Deteeted at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0903258	**Collection Date:**	3/12/2009 11:27:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	1135	1.0		umhos/cm		3/12/2009 11:27:00 AM
Eh	-22	-300		mV		3/12/2009 11:27:00 AM
pH	7.42	6.5-8.5		SU		3/12/2009 11:27:00 AM
Temperature	4.9			degC		3/12/2009 11:27:00 AM
Turbidity	11.0	5.0		NTU		3/12/2009 11:27:00 AM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **BY**
Bromide	ND	0.20		mg/L	1	3/19/2009
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **LJ**
Cadmium	ND	5.00		µg/L	1	4/23/2009 12:52:22 PM
Calcium	201000	1000		µg/L	1	4/23/2009 12:52:22 PM
Iron	466	60.0		µg/L	1	4/23/2009 12:52:22 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:52:22 PM
Magnesium	42900	1000		µg/L	1	4/23/2009 12:52:22 PM
Manganese	6500	10.0		µg/L	1	4/23/2009 12:52:22 PM
Potassium	2440	1000		µg/L	1	4/23/2009 12:52:22 PM
Sodium	49300	1000		µg/L	1	4/23/2009 12:52:22 PM
Hardness, Total(CaCO3)	678000	7000		µg/L	1	4/23/2009 12:52:22 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	872	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	650	100		mg/LCaCO3	10	3/14/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	118	10.0		mg/L	10	3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	0.642	0.500		mg/L	1	3/19/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	1.22	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	ND	5.00		mg/L	1	3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	Low Level	**	Value exeeeds 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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0903258	**Collection Date:**	3/12/2009 11:27:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	4.5	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/25/2009

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-3A
Lab Order: U0903258
Collection Date: 3/12/2009 10:04:00 AM
Project: Towslee Landfill
Lab ID: U0903258-005
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				FLD		Analyst:
Conductivity	1069	1.0		umhos/cm		3/12/2009 10:04:00 AM
Eh	-26	-300		mV		3/12/2009 10:04:00 AM
pH	7.49	6.5-8.5		SU		3/12/2009 10:04:00 AM
Temperature	4.2			degC		3/12/2009 10:04:00 AM
Turbidity	10.9	5.0		NTU		3/12/2009 10:04:00 AM
INORGANIC ANIONS BY IC FOR WATERS				E300.1		Analyst: **BY**
Bromide	ND	0.20		mg/L	1	3/19/2009
ICP METALS, TOTAL ASP				E200.7	(E200.7)	Analyst: **LJ**
Cadmium	ND	5.00		µg/L	1	4/23/2009 12:57:13 PM
Calcium	12300	1000		µg/L	1	4/23/2009 12:57:13 PM
Iron	600	60.0		µg/L	1	4/23/2009 12:57:13 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:57:13 PM
Magnesium	1820	1000		µg/L	1	4/23/2009 12:57:13 PM
Manganese	294	10.0		µg/L	1	4/23/2009 12:57:13 PM
Potassium	ND	1000		µg/L	1	4/23/2009 12:57:13 PM
Sodium	ND	1000		µg/L	1	4/23/2009 12:57:13 PM
Hardness, Total(CaCO3)	38100	7000		µg/L	1	4/23/2009 12:57:13 PM
RESIDUE, DISSOLVED (TDS)				E160.1		Analyst: **BY**
Residue, Dissolved (TDS)	88.0	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				E310.2		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	18	10		mg/LCaCO3	1	3/14/2009
CHLORIDE WATERS BY LACHAT				E325.2		Analyst: **VAW**
Chloride	1.85	1.00		mg/L	1	3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				E350.1		Analyst: **KAM**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	3/17/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				E351.2		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)				E353.2		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE				E375.4		Analyst: **KAF**
Sulfate	7.53	5.00		mg/L	1	3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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 Deteetcd at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0903258	**Collection Date:**	3/12/2009 10:04:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-6B
Lab Order: U0903258
Collection Date: 3/12/2009 11:50:00 AM
Project: Towslee Landfill
Lab ID: U0903258-006
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	327	1.0		umhos/cm		3/12/2009 11:50:00 AM
Eh	-38	-300		mV		3/12/2009 11:50:00 AM
pH	7.70	6.5-8.5		SU		3/12/2009 11:50:00 AM
Temperature	6.5			degC		3/12/2009 11:50:00 AM
Turbidity	9.56	5.0		NTU		3/12/2009 11:50:00 AM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **BY**
Bromide	ND	0.20		mg/L	1	3/19/2009
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **LJ**
Cadmium	ND	5.00		µg/L	1	4/23/2009 1:01:54 PM
Calcium	39600	1000		µg/L	1	4/23/2009 1:01:54 PM
Iron	268	60.0		µg/L	1	4/23/2009 1:01:54 PM
Lead	ND	3.00		µg/L	1	4/23/2009 1:01:54 PM
Magnesium	10500	1000		µg/L	1	4/23/2009 1:01:54 PM
Manganese	25.7	10.0		µg/L	1	4/23/2009 1:01:54 PM
Potassium	1010	1000		µg/L	1	4/23/2009 1:01:54 PM
Sodium	13100	1000		µg/L	1	4/23/2009 1:01:54 PM
Hardness, Total(CaCO3)	142000	7000		µg/L	1	4/23/2009 1:01:54 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	188	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	120	10		mg/LCaCO3	1	3/14/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	13.3	1.00		mg/L	1	3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **KAM**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	3/17/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	13.2	5.00		mg/L	1	3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM

Approved By: PH **Date:** 5-7-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0903258	**Collection Date:**	3/12/2009 11:50:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0903258	**Collection Date:**	3/12/2009 11:00:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	1014	1.0		umhos/cm		3/12/2009 11:00:00 AM
Eh	-19	-300		mV		3/12/2009 11:00:00 AM
pH	7.35	6.5-8.5		SU		3/12/2009 11:00:00 AM
Temperature	4.2			degC		3/12/2009 11:00:00 AM
Turbidity	40.9	5.0		NTU		3/12/2009 11:00:00 AM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **BY**
Bromide	ND	0.20		mg/L	1	3/19/2009
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **LJ**
Cadmium	ND	5.00		µg/L	1	4/23/2009 1:24:38 PM
Calcium	140000	1000		µg/L	1	4/23/2009 1:24:38 PM
Iron	322	60.0		µg/L	1	4/23/2009 1:24:38 PM
Lead	ND	3.00		µg/L	1	4/23/2009 1:24:38 PM
Magnesium	35800	1000		µg/L	1	4/23/2009 1:24:38 PM
Manganese	4310	10.0		µg/L	1	4/23/2009 1:24:38 PM
Potassium	1620	1000		µg/L	1	4/23/2009 1:24:38 PM
Sodium	97000	1000		µg/L	1	4/23/2009 1:24:38 PM
Hardness, Total(CaCO3)	496000	7000		µg/L	1	4/23/2009 1:24:38 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	748	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	500	10		mg/LCaCO3	1	3/14/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	114	1.00		mg/L	1	3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	3/19/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	1.92	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	21.0	5.00		mg/L	1	3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0903258	**Collection Date:**	3/12/2009 11:00:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	5.1	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: DH **Date:** 5-7-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B Dupe
Lab Order:	U0903258	**Collection Date:**	3/12/2009 10:37:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **BY**
Bromide	ND	0.20		mg/L	1	3/19/2009
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **LJ**
Cadmium	ND	5.00		µg/L	1	4/23/2009 1:29:28 PM
Calcium	26000	1000		µg/L	1	4/23/2009 1:29:28 PM
Iron	198	60.0		µg/L	1	4/23/2009 1:29:28 PM
Lead	ND	3.00		µg/L	1	4/23/2009 1:29:28 PM
Magnesium	6310	1000		µg/L	1	4/23/2009 1:29:28 PM
Manganese	190	10.0		µg/L	1	4/23/2009 1:29:28 PM
Potassium	ND	1000		µg/L	1	4/23/2009 1:29:28 PM
Sodium	6020	1000		µg/L	1	4/23/2009 1:29:28 PM
Hardness, Total(CaCO3)	90800	7000		µg/L	1	4/23/2009 1:29:28 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	184	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	82	10	H	mg/LCaCO3	1	5/6/2009
NOTES: Sample reanalyzed over holding time. Original analysis within holding time.						
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	2.69	1.00	H	mg/L	1	5/6/2009
NOTES: Sample reanalyzed over holding time. Original analysis within holding time.						
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	3/19/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	0.919	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	11.0	5.00		mg/L	1	3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009

Approved By: PH **Date:** 5-7-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *07-May-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B Dupe
Lab Order:	U0903258	**Collection Date:**	3/12/2009 10:37:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH **Date:** 5-7-09

Qualifiers:	* 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	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**

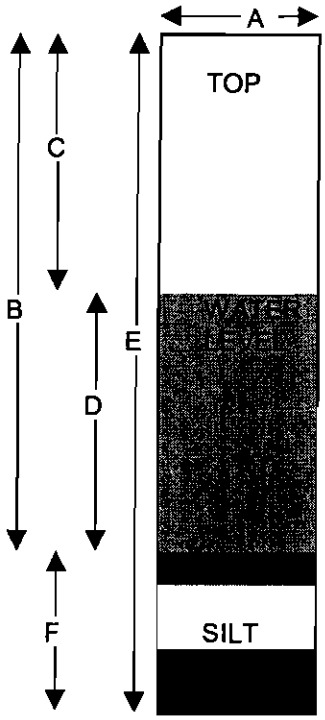
Project: **Towslee Landfill**

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

Condition of Well: Good | Locked: YES

Method of Evacuation: Dedicated Bailer | Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	33.7	feet
C.	Depth to Water	1.42	feet
D.	Length of Water Column (calculated)	32.28	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	5.1648	gallons
	No. of Volumes to be Evacuated	X3	-----
	Total Volume to be Evacuated	15.4944	gallons
	Actual Volume Evacuated	15.5	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	3/11/09	3/12/09
Time	10:35 am	10:31 am
EH	-28	-21
Temperature	7.9°c	3.6°c
pH	7.50	7.40
Specific Cond.	263	344
Turbidity	17.8	16.7
Dissolved Oxygen	N/A	N/A
Appearance	Sl. cloudy	Sl. Cloudy

Weather: 36° cloudy | 25° snow

Observations:

% Recharge:

Initial Depth to Water 1.42 feet

Recharge Depth to Water 1.33 feet

2nd water column height 96.76 %

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: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**

Project: **Towslee Landfill**

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

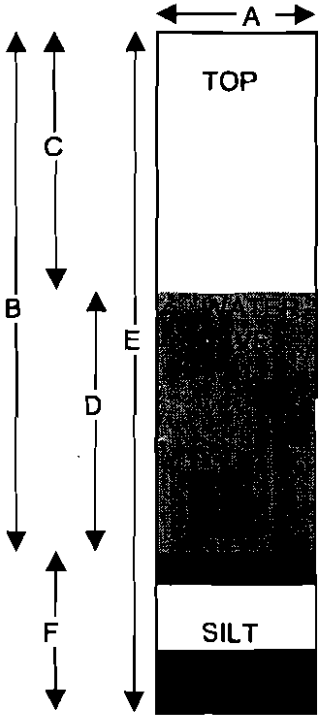
Condition of Well: Good

Locked: NO Yes

Method of Evacuation: Dedicated Bailer

Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	55.5	feet
C.	Depth to Water	1.58	feet
D.	Length of Water Column (calculated)	53.92	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	8.6272	gallons
	No. of Volumes to be Evacuated	X3	----
	Total Volume to be Evacuated	25.8816	gallons
	Actual Volume Evacuated	26	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	3/11/09	3/12/08
Time	10:39am	10:37 AM
EH	-42	-44
Temperature	6.1°c	2.7°c
pH	7.75	7.80
Specific Cond.	213	205
Turbidity	2.21	2.47
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 1.58 feet

Recharge Depth to Water 1.47 feet

2nd water column height 107.48 %

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: 36° cloudy 25° snow

Observations: Dupe

Sampler: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**

Project: **Towslee Landfill**

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

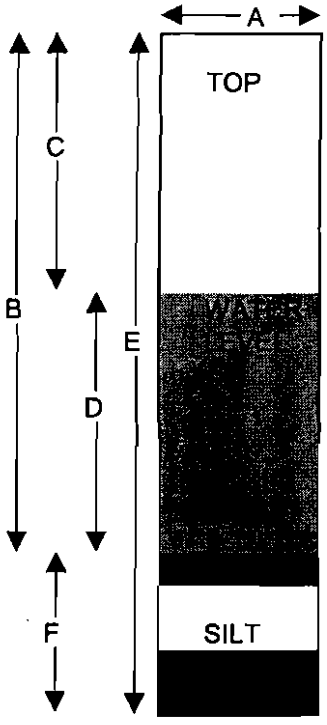
Condition of Well: Good

Locked: YES

Method of Evacuation: Dedicated Bailer

Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.8	feet
C.	Depth to Water	5.41	feet
D.	Length of Water Column (calculated)	7.39	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.1824	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	3.5472	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	3/11/09	3/12/09
Time	11:25am	11:20am
EH	-13	-34
Temperature	6.2°c	3.1°c
pH	7.22	7.63
Specific Cond.	609	601
Turbidity	441.2	5.60
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	clear

% Recharge:

Initial Depth to Water 5.41 feet

Recharge Depth to Water 5.63 feet

2nd water column height 96.09 %

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: 36° cloudy 25 Snow

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**

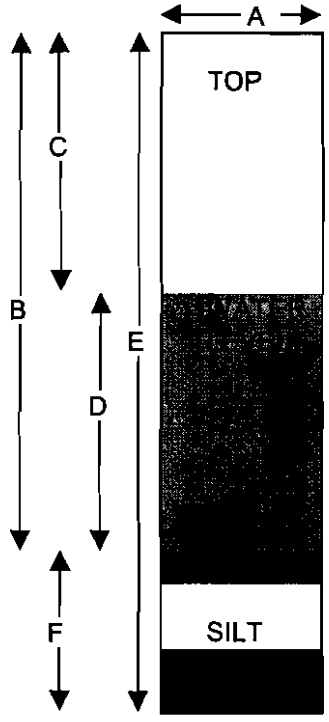
Project: **Towslee Landfill**

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

Condition of Well: Good - lid broken | Locked: YES

Method of Evacuation: Dedicated Bailer | Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	33.5	feet
C.	Depth to Water	6.38	feet
D.	Length of Water Column (calculated)	27.12	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	4.3392	gallons
	No. of Volumes to be Evacuated	X3	-----
	Total Volume to be Evacuated	13.0176	gallons
	Actual Volume Evacuated	13.5	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	3/11/09	3/12/09
Time	11:29am	11:27am
EH	-14	-22
Temperature	6.1°c	4.9°c
pH	7.26	7.42
Specific Cond.	1021	1135
Turbidity	18.6	11.0
Dissolved Oxygen	N/A	N/A
Appearance	Sl. Cloudy	clear

% Recharge:

Initial Depth to Water 6.38 feet

Recharge Depth to Water 6.58 feet

2nd water column height 96.96 %

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: 36° cloudy | 25 snow

Observations: hinge on well lid broken

Sampler: Justin Gibson

Signature: Justin Gibson

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**

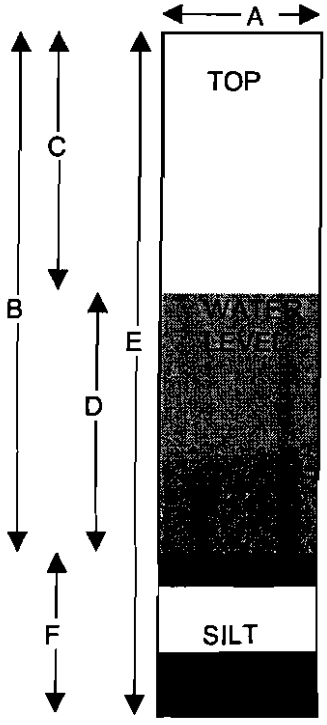
Condition of Well: Good

Locked: ~~YES~~ No

Method of Evacuation: Dedicated Bailer

Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	22.40	feet
C.	Depth to Water	5.81	feet
D.	Length of Water Column (calculated)	16.59	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	2.6544	gallons
	No. of Volumes to be Evacuated	X3	-----
	Total Volume to be Evacuated	7.9632	gallons
	Actual Volume Evacuated	8	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	3/11/09	3/12/09
Time	10:21 am	10:04 am
EH	-64	-26
Temperature	11.0°c	4.2°c
pH	8.14	7.49
Specific Cond.	1544	1061
Turbidity	5.76	10.9
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Clear

% Recharge:

Initial Depth to Water 5.31 feet

Recharge Depth to Water 6.12 feet

2nd water column height 94.93 %

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: 36° cloudy / 25° snow

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**

Project: **Towslee Landfill**

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

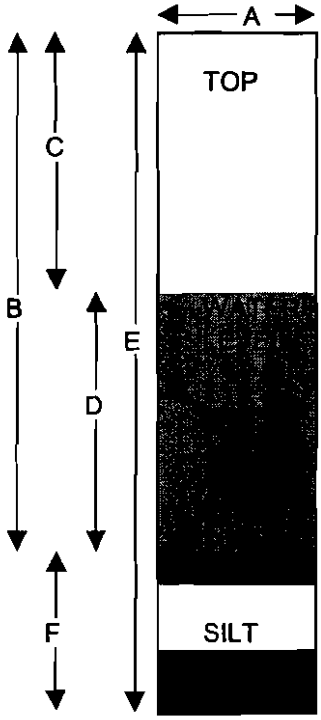
Condition of Well: Good

Locked: ~~NO~~ Yes

Method of Evacuation: Dedicated Bailer

Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	40.75	feet
C.	Depth to Water	12.09	feet
D.	Length of Water Column (calculated)	28.66	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	4.5856	gallons
	No. of Volumes to be Evacuated	X3	-----
	Total Volume to be Evacuated	13.7568	gallons
	Actual Volume Evacuated	14	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	3/11/09	3/12/09
Time	11:55am	11:50am
EH	-17	-38
Temperature	8.8°c	6.5°c
pH	7.30	7.20
Specific Cond.	355	327
Turbidity	5.42	9.56
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Clear

Weather: 36° cloudy 25° snow

Observations:

% Recharge:

Initial Depth to Water 12.09 feet

Recharge Depth to Water 12.23 feet

2nd water column height 98.85%

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: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**

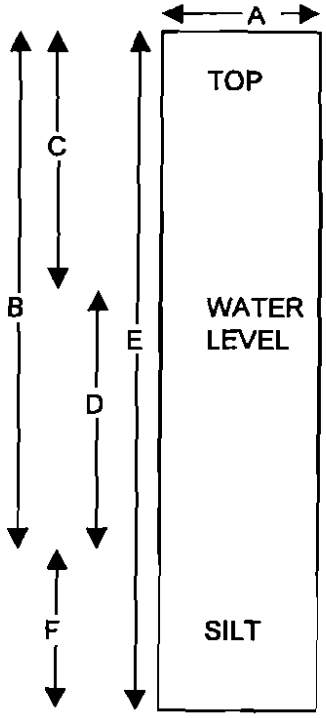
Project: **Towslee Landfill** ULI ID No. (enter by lab)

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

Condition of Well: Good Locked: YES

Method of Evacuation: Dedicated Bailer Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	22.20	feet
C.	Depth to Water	3.23	feet
D.	Length of Water Column (calculated)	18.97	feet
	Conversion Factor	X.16	—
	Well Volume (calculated)	3.0352	gallons
	No. of Volumes to be Evacuated	X3	—
	Total Volume to be Evacuated	9.1056	gallons
	Actual Volume Evacuated	9.5	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	3/11/09	3/12/09
Time	11:07am	11:00am
EH	-2	-19
Temperature	8.8°c	4.2°c
pH	7.05	7.35
Specific Cond.	962	1014
Turbidity	4.62	40.9
Dissolved Oxygen	N/A	N/A
Appearance	clear	cloudy
Weather:	36° cloudy	25° snow
Observations:		

% Recharge:

Initial Depth to Water 3.23 feet

Recharge Depth to Water 3.76 feet

2nd water column height 85.90 %

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:
Justin Gibson

Signature: Justin Gibson

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: 93 REGS ASP-A
					L0903258												
MW-1A	3/12/09	10:31am	WATER	GRAB	1	6	X	X	X	X	X	X	X				
MW-1B	3/12/09	10:37am	WATER	GRAB	2	6	X	X	X	X	X	X	X				
MW-2A	3/12/09	11:20am	WATER	GRAB	3	6	X	X	X	X	X	X	X				
MW-2B	3/12/09	11:27am	WATER	GRAB	4	6	X	X	X	X	X	X	X				
MW-3A	3/12/09	10:04am	WATER	GRAB	5	6	X	X	X	X	X	X	X				
MW-6B	3/12/09	11:50am	WATER	GRAB	6	6	X	X	X	X	X	X	X				MSD
MW-7A	3/12/09	11:00am	WATER	GRAB	7	6	X	X	X	X	X	X	X				
MW-13 DUPE	3/12/09	10:37am	WATER	GRAB	8	6	X	X	X	X	X	X	X				
MS/MSD	~~3/12/09~~																

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	FIELD PH,TEMP,EH,SPEC.COND.,TURBIDITY	N/A		
2	BOD5,NO3,TDS,SO4,CL-,BROMIDE	PLASTIC	2000ML	NONE
3	TKN,NH3,COD	PLASTIC	500 ML	H2SO4
4	TOC	PLASTIC	120 ML	1:1 HCL
5	ALKALINITY	GLASS	250 ML	NONE
6	T-PHENOLS	AMBER	LITER	H2SO4
7	T-CD,CA,FE,PB*,MG,MN,K,NA,+CALC. HARDNESS	PLASTIC	500 ML	HNO3
8	D-CD,CA,FE,PB*,MG,MN,K,NA,+CALC. HARDNESS	PLASTIC	500 ML	HNO3
9				
10				

Sampled by (Print): Justin Gibson
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:
Justin Gibson	3/12/09	7:05am	

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Appendix B

Analytical Laboratory Results and Internal Quality Control Summary
Quarter 2 2009

Cortland County Towslee Landfill

Upstate Laboratories, Inc.

6034 Corporate Drive
East Syracuse, New York 13057-1017

Sample Data Summary Package

Case Narrative, Summary of Test Results, Summary of QC Results and Chain of Custody Documentation
Volume 1 of 4

SDG# COR-23

Project:

Towslee Landfill
Cortlandville, New York

Prepared for:

Mr. Patrick Reidy
Cortland Co. Soil and Water Cons. Dist.
100 Grange Place
Room 202
Cortland, NY 13045

Samples Collected:

June 16, 2009
June 17, 2009

New York Lab Code 10170

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Upstate Laboratories, Inc
6034 Corporate Drive
East Syracuse, New York 13057

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method #	BNA GC/MS Method #	Pest/PCBs Method #	Herbicides Method #	Metals	Wet Chemistry and Others
MW-1A	U0906340-001	8260	-	-	-	-	-
MW-1A MS	U0906340-001MS	8260	-	-	-	-	-
MW-1A MSD	U0906340-001MSD	8260	-	-	-	-	-
MW-1B	U0906340-002	8260	-	-	-	-	-
MW-2A	U0906340-003	8260	-	-	-	-	-
MW-2B	U0906340-004	8260	-	-	-	-	-
MW-3A	U0906340-005	8260	-	-	-	-	-
MW-6B	U0906340-006	8260	-	-	-	-	-
MW-7A	U0906340-007	8260	-	-	-	-	-
ULI TRIP BLANK	U0906340-008	8260	-	-	-	-	-
DUPE MW-6B	U0906340-009	8260	-	-	-	-	-
HOLDING BLANK	U0906340-010	8260	-	-	-	-	-
MW-1A	U0906340-011	-	-	-	-	Baseline	Baseline
MW-1A MS	U0906340-011MS	-	-	-	-	Baseline	Baseline
MW-1A DUPE	U0906340-011DP	-	-	-	-	Baseline	Baseline
MW-1B	U0906340-012	-	-	-	-	Baseline	Baseline
MW-2A	U0906340-013	-	-	-	-	Baseline	Baseline
MW-2B	U0906340-014	-	-	-	-	Baseline	Baseline
MW-3A	U0906340-015	-	-	-	-	Baseline	Baseline
MW-6B	U0906340-016	-	-	-	-	Baseline	Baseline
MW-7A	U0906340-017	-	-	-	-	Baseline + Dissolved	Baseline
DUPE MW-6B	U0906340-018	-	-	-	-	Baseline	Baseline

B-212

Narrative

1.0 Summary

This report presents the sample test results and quality control results for seven water sample locations for the Towslee Landfill, Cortlandville, New York. The samples were analyzed for the parameters listed in Section 3.0, below.

This report is divided into two packages and four volumes. The Sample Data Summary Package (Volume 1) presents a summary of the test results and quality control data. This abbreviated format is useful to engineers and environmental scientists. The Sample Data Package (Volumes 2-4) is a comprehensive report containing instrument raw data. It is formatted for validation by an independent third party.

2.0 Chain of Custody

The samples were collected by Upstate Laboratories, Inc. personnel on June 16 and 17, 2009 and were hand delivered to Upstate Laboratories, Inc., Syracuse, New York. The Chain of Custody documentation and Field Data are copied in Volumes 1 & 2.

3.0 Methodology

The analyses were performed using test methods developed by the USEPA and reorganized by the NYSDEC in the Analytical Services Protocol (ASP). The specific method numbers are:

Parameter	Method	Reference
Volatile Organics	8260	(1)
Aluminum	200.7	(1)
Antimony	200.7	(1)
Arsenic	200.7	(I)
Barium	200.7	(1)
Beryllium	200.7	(1)
Boron	200.7	(1)
Cadmium	200.7	(1)
Calcium	200.7	(1)
Chromium	200.7	(1)
Cobalt	200.7	(1)
Copper	200.7	(1)
Iron	200.7	(1)
Lead	200.7	(1)
Magnesium	200.7	(1)
Manganese	200.7	(1)
Mercury	245.2	(1)
Nickel	200.7	(1)
Potassium	200.7	(1)
Selenium	200.7	(1)
Silver	200.7	(1)
Sodium	200.7	(1)
Thallium	200.7	(1)
Vanadium	200.7	(1)
Zinc	200.7	(1)

The total number of pages in this Data Package is: _____.

Total Alkalinity	310.2	(1)
Ammonia-Nitrogen	350.1	(1)
BOD	405.1	(1)
Chloride	325.2	(1)
COD	410.4	(1)
Color	110.2	(1)
Cyanide	335.4	(1)
Hexavalent Chromium	SM3500	(1)
Nitrate-Nitrogen	353.2	(1)
Phenols	420.4	(1)
Sulfate	375.4	(1)
TDS	160.1	(1)
TKN	351.2	(1)
TOC	415.1	(1)
Bromide	300.1	(1)

(1) New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP), 7/05 Revision

4.0 Quality Control

Quality control data includes method blanks, reference samples, matrix spikes, duplicates and surrogate recoveries. The association of QC data with sample data is made through the use of the "Run No." found on both the final report pages and the QC summary pages.

5.0 Internal Validation

The following observations are offered:

Volatiles by GC/MS

Holding Time	: Criteria were satisfied.
Calibration	: Several target compounds were manually integrated in the IC and CC. All other criteria were satisfied.
Method Blank	: Criteria were satisfied.
MSB	: Criteria were satisfied.
MS/MSD	: Criteria were satisfied.
Surrogates	: Criteria were satisfied.
Internal Stds	: Criteria were satisfied.

Trace Metals and Cyanide Data

Holding Time : Criteria were satisfied.

Calibration : The ICV recovery for Antimony was below QC aeceptance limits. The CCV1 and CCV2 recoveries for Antimony and Selenium were above QC acceptance limits. The CCV1 and CCV2 recoveries for Antimony were above QC acceptance limits. The ICV recoveries for Calcium, Magnesium, Potassium, Sodium and Selenium were outside QC acceptance limits. The CCV1 recoveries for Antimony, Arsenic, Potassium and Selenium were outside QC acceptance limits. The CCV2 recoveries for Antimony, Arsenic and Selenium were outside QC acceptance limits. The CCV1 recovery for Mercury was slightly above QC acceptance limits. The initial and final CRDL Standard recoveries for Antimony were above QC acceptance limits. The final CRDL Standard recovery for Arsenic was above QC acceptance limits. The final CRDL Standard recovery for Zinc was above QC acceptance limits. All other criteria were satisfied.

Method Blanks : Antimony was detected at concentrations above the CRDL in the ICB, CCB1 and CCB2 for analytical sequence R45073. Selenium was detected at a concentration above the CRDL in CCB2 for analytical sequence R45073. Antimony was detected at concentrations above the CRDL in the ICBs for analytical sequences R45180 and R45285. Lead was detected at concentrations above the CRDL in CCB1 and CCB2 for analytical sequence R45180. Aluminum and Iron were detected at concentrations above the PQL but below the CRDL in CCB1 for analytical sequence R45254 and in MB-18395. Lead was detected at a concentration above the CRDL in CCB1 for analytical sequence R45254. CCB3 exhibited a negative result for Mercury for analytical sequence R43837. Arsenic and Selenium were detected at concentrations above the CRDL in CCB1 for analytical sequence R45285. Arsenic, Iron and Selenium were detected at concentrations above the CRDL in CCB2 for analytical sequence R45285. Zinc was detected at a concentration above the PQL but below the CRDL in CCB2 for analytical sequence R45285. All other criteria were satisfied.

Ref Samples : The LCS recoveries for Antimony were above QC acceptance limits for LCS-18284 and LCS-18395. All other criteria were satisfied.

Matrix Spikes : The MS recoveries for Antimony, Arsenic and Selenium were above QC acceptance limits for the MS performed on sample location MW-1A. All other criteria were satisfied.

Duplicates : The Duplicate %RPDs for Aluminum, Antimony, Mercury and Potassium were outside QC acceptance limits for the Duplicate performed on sample location MW-1A. The concentrations of Antimony, Mercury and Potassium in sample location MW-1A were less than 5X the PQL; therefore, the data should be considered valid. All other criteria were satisfied.

Wet Chemistry Data

Holding Time : Sample locations MW-6B and DUPE MW-6B were reanalyzed for TDS in analytical sequence R45322 over ASP holding time due to inconsistent sample results when compared with past data. The original analysis, however, was performed within ASP holding time. Sample location MW-1A was reanalyzed for Total Alkalinity in analytical sequence R43512 over ASP holding time due to an inconsistent sample result when compared with past data. The original analysis, however, was performed within ASP holding time. All other criteria were satisfied.

Calibration : The CCV7, CCV10 and ICV recoveries for Total Alkalinity were outside QC acceptance limits for analytical sequence R43319. The CCV10, CCV14 and ICV recoveries for Chloride were outside QC acceptance limits for analytical sequence R43318. The CCV5 recovery for Ammonia was slightly above QC acceptance limits for analytical sequence R43315. All other criteria were satisfied.

TOWSLEE Q2 2009

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) 724-0478 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 247-4313

Mr. Patrick Reidy
Cortland Co. Soil and Water Cons. Dist.
100 Grange Place
Room 202
Cortland, NY 13045

September 10, 2009

RE: Analytical Report:
Towslee Landfill

Order No.: U0906340

Dear Mr. Reidy:

Upstate Laboratories, Inc. received 7 + DUPE ~~18~~ samples on 6/17/09 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, 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

Enclosures: ASP-B Pkg. (on disk), report, field data, invoice

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-1A
Lab Order: U0906340
Collection Date: 6/16/2009 1:46:00 PM
Project: Towslee Landfill
Lab ID: U0906340-001
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Acetone	ND	10		µg/L	1	6/25/2009 3:24:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 3:24:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 3:24:00 AM
2-Butanone	ND	10		µg/L	1	6/25/2009 3:24:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Chloroform	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Benzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 3:24:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Toluene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
2-Hexanone	ND	10		µg/L	1	6/25/2009 3:24:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0906340	**Collection Date:**	6/16/2009 1:46:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
o-Xylene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Styrene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Bromoform	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 3:24:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 3:24:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-1B
Lab Order: U0906340
Collection Date: 6/16/2009 1:51:00 PM
Project: Towslee Landfill
Lab ID: U0906340-002
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: LEF
Chloromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Acetone	ND	10		µg/L	1	6/25/2009 5:19:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 5:19:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 5:19:00 AM
2-Butanone	ND	10		µg/L	1	6/25/2009 5:19:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Chloroform	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Benzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 5:19:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Toluene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
2-Hexanone	ND	10		µg/L	1	6/25/2009 5:19:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * 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
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0906340	**Collection Date:**	6/16/2009 1:51:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: LEF
o-Xylene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Styrene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Bromoform	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 5:19:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 5:19:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0906340	**Collection Date:**	6/16/2009 2:27:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: LEF
Chloromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Acetone	ND	10		µg/L	1	6/25/2009 5:57:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 5:57:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 5:57:00 AM
2-Butanone	ND	10		µg/L	1	6/25/2009 5:57:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Chloroform	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Benzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 5:57:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Toluene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
2-Hexanone	ND	10		µg/L	1	6/25/2009 5:57:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Chlorobenzene	3	5.0	J	µg/L	1	6/25/2009 5:57:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0906340	**Collection Date:**	6/16/2009 2:27:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: LEF
o-Xylene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Styrene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Bromoform	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 5:57:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 5:57:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0906340	**Collection Date:**	6/16/2009 2:32:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Vinyl chloride	12	5.0		µg/L	1	6/25/2009 6:08:00 PM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Chloroethane	5.9	5.0		µg/L	1	6/25/2009 6:08:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Acetone	ND	10		µg/L	1	6/25/2009 6:08:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 6:08:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 6:08:00 PM
2-Butanone	ND	10		µg/L	1	6/25/2009 6:08:00 PM
cis-1,2-Dichloroethene	19	5.0		µg/L	1	6/25/2009 6:08:00 PM
Chloroform	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Benzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 6:08:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Toluene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
2-Hexanone	ND	10		µg/L	1	6/25/2009 6:08:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0906340	**Collection Date:**	6/16/2009 2:32:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)				**SW8260B**		Analyst: **LEF**
o-Xylene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Styrene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Bromoform	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 6:08:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 6:08:00 PM
TIC: Ethyl ether	5.6	0		µg/L	1	6/25/2009 6:08:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0906340	**Collection Date:**	6/16/2009 1:31:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Acetone	24	10		µg/L	1	6/25/2009 6:47:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 6:47:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 6:47:00 PM
2-Butanone	ND	10		µg/L	1	6/25/2009 6:47:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Chloroform	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Benzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 6:47:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Toluene	82	5.0		µg/L	1	6/25/2009 6:47:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
2-Hexanone	ND	10		µg/L	1	6/25/2009 6:47:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-3A
Lab Order: U0906340
Collection Date: 6/16/2009 1:31:00 PM
Project: Towslee Landfill
Lab ID: U0906340-005
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)				**SW8260B**		Analyst: **LEF**
o-Xylene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Styrene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Bromoform	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 6:47:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 6:47:00 PM
TIC: 4-Decene, 2-methyl-, (Z)-	4.4	0		µg/L	1	6/25/2009 6:47:00 PM
TIC: 5-Undecene	9.0	0		µg/L	1	6/25/2009 6:47:00 PM
TIC: Disulfide, dimethyl	9.7	0		µg/L	1	6/25/2009 6:47:00 PM

NOTES:
Sample was reanalyzed to confirm positive target compounds.
Vials supplied of sample display quantitative differences.

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-6B
Lab Order: U0906340
Collection Date: 6/16/2009 2:49:00 PM
Project: Towslee Landfill
Lab ID: U0906340-006
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)				**SW8260B**		Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Acetone	ND	10		µg/L	1	6/25/2009 11:58:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 11:58:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 11:58:00 PM
2-Butanone	ND	10		µg/L	1	6/25/2009 11:58:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Chloroform	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Benzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 11:58:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Toluene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
2-Hexanone	ND	10		µg/L	1	6/25/2009 11:58:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0906340	**Collection Date:**	6/16/2009 2:49:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)				**SW8260B**		Analyst: **LEF**
o-Xylene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Styrene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Bromoform	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 11:58:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 11:58:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-7A
Lab Order: U0906340
Collection Date: 6/16/2009 2:13:00 PM
Project: Towslee Landfill
Lab ID: U0906340-007
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Vinyl chloride	5.7	5.0		µg/L	1	6/26/2009 12:38:00 AM
Bromomethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Chloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Acetone	ND	10		µg/L	1	6/26/2009 12:38:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Iodomethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Acrylonitrile	ND	100		µg/L	1	6/26/2009 12:38:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,1-Dichloroethane	5	5.0	J	µg/L	1	6/26/2009 12:38:00 AM
Vinyl acetate	ND	50		µg/L	1	6/26/2009 12:38:00 AM
2-Butanone	ND	10		µg/L	1	6/26/2009 12:38:00 AM
cis-1,2-Dichloroethene	5.4	5.0		µg/L	1	6/26/2009 12:38:00 AM
Chloroform	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Bromochloromethane	ND	5.0		µg/L	1	8/26/2009 12:38:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Benzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/26/2009 12:38:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Toluene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
2-Hexanone	ND	10		µg/L	1	6/26/2009 12:38:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0906340	**Collection Date:**	6/16/2009 2:13:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
o-Xylene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Styrene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Bromoform	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/26/2009 12:38:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/26/2009 12:38:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: ULI Trip Blank
Lab Order: U0906340
Collection Date: 6/16/2009
Project: Towslee Landfill
Lab ID: U0906340-008
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Bromomethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Chloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Acetone	ND	10		µg/L	1	6/26/2009 1:17:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Iodomethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Acrylonitrile	ND	100		µg/L	1	6/26/2009 1:17:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Vinyl acetate	ND	50		µg/L	1	6/26/2009 1:17:00 AM
2-Butanone	ND	10		µg/L	1	6/26/2009 1:17:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Chloroform	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Benzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/26/2009 1:17:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Toluene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
2-Hexanone	ND	10		µg/L	1	6/26/2009 1:17:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	ULI Trip Blank
Lab Order:	U0906340	**Collection Date:**	6/16/2009
Project:	Towslee Landfill		
Lab ID:	U0906340-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)				**SW8260B**		Analyst: **LEF**
o-Xylene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Styrene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Bromoform	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/26/2009 1:17:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/26/2009 1:17:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Dupe MW-6B
Lab Order:	U0906340	**Collection Date:**	6/16/2009 2:49:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-009	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Bromomethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Chloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Acetone	ND	10		µg/L	1	6/26/2009 1:56:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Iodomethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Acrylonitrile	ND	100		µg/L	1	6/26/2009 1:56:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Vinyl acetate	ND	50		µg/L	1	6/26/2009 1:56:00 AM
2-Butanone	ND	10		µg/L	1	6/26/2009 1:56:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Chloroform	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Benzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/26/2009 1:56:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Toluene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
2-Hexanone	ND	10		µg/L	1	6/26/2009 1:56:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Dupe MW-6B
Lab Order:	U0906340	**Collection Date:**	6/16/2009 2:49:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-009	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
o-Xylene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Styrene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Bromoform	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/26/2009 1:56:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/26/2009 1:56:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U0906340	**Collection Date:**	6/17/2009 1:05:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-010	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
Chloromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Bromomethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Chloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Acetone	ND	10		µg/L	1	6/26/2009 2:34:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Iodomethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Acrylonitrile	ND	100		µg/L	1	6/26/2009 2:34:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Vinyl acetate	ND	50		µg/L	1	6/26/2009 2:34:00 AM
2-Butanone	ND	10		µg/L	1	6/26/2009 2:34:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Chloroform	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Benzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/26/2009 2:34:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Toluene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
2-Hexanone	ND	10		µg/L	1	6/26/2009 2:34:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U0906340	**Collection Date:**	6/17/2009 1:05:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-010	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			**SW8260B**			Analyst: **LEF**
o-Xylene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Styrene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Bromoform	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/26/2009 2:34:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/26/2009 2:34:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0906340	**Collection Date:**	6/17/2009 11:44:00 AM
Project:	Towslee Landfill		
Lab ID:	U0906340-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	199	1.0		umhos/cm		6/17/2009 11:44:00 AM
Eh	143	-300		mV		6/17/2009 11:44:00 AM
pH	8.09	6.5-8.5		SU		6/17/2009 11:44:00 AM
SWL	1.09			ft		6/17/2009 11:44:00 AM
Temperature	19.6			degC		6/17/2009 11:44:00 AM
Turbidity	23.4	5.0		NTU		8/17/2009 11:44:00 AM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **NJS**
Bromide	ND	2.0		mg/L	10	6/29/2009
NOTES: The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **DEY**
Aluminum	1570	100		µg/L	1	9/2/2009 3:49:18 PM
Antimony	ND	15.0		µg/L	1	8/31/2009 10:07:45 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Barium	73.2	50.0		µg/L	1	8/31/2009 10:07:45 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:07:45 AM
Boron	ND	500		µg/L	1	9/5/2009 10:58:19 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:07:45 AM
Calcium	47000	1000		µg/L	1	8/31/2009 10:07:45 AM
Chromium	ND	5.00		µg/L	1	8/31/2009 10:07:45 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:07:45 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Iron	1650	60.0		µg/L	1	9/2/2009 3:49:18 PM
Lead	ND	3.00		µg/L	1	9/2/2009 3:49:18 PM
Magnesium	11100	1000		µg/L	1	8/31/2009 10:07:45 AM
Manganese	169	10.0		µg/L	1	8/31/2009 10:07:45 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:07:45 AM
Potassium	1780	1000		µg/L	1	8/31/2009 10:07:45 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:07:45 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Sodium	13900	1000		µg/L	1	8/31/2009 10:07:45 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:07:45 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Hardness, Total(CaCO3)	163000	7000		µg/L	1	8/31/2009 10:07:45 AM
TOTAL MERCURY WATERS ASP				**E245.2**	**(E245.2)**	Analyst: **DEY**
Mercury	ND	0.200		µg/L	1	7/10/2009 10:59:39 AM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0906340	**Collection Date:**	6/17/2009 11:44:00 AM
Project:	Towslee Landfill		
Lab ID:	U0906340-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				**E110.2**		Analyst: **JWK**
Color	18.0	10.0		UNITS	2	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **KAM**
Residue, Dissolved (TDS)	180	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	100	10	H	mg/LCaCO3	1	7/1/2009
NOTES: Sample reanalyzed over the holding time; original analysis was within the holding time.						
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	30.7	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				**E335.4**	**(E335.4)**	Analyst: **BS**
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **KAM**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	14.3	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/17/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAF**
Chemical Oxygen Demand	ND	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				**SM3500**		Analyst: **BY**
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0906340	**Collection Date:**	6/17/2009 11:52:00 AM
Project:	Towslee Landfill		
Lab ID:	U0906340-012	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				FLD		Analyst:
Conductivity	124	1.0		umhos/cm		6/17/2009 11:52:00 AM
Eh	139	-300		mV		6/17/2009 11:52:00 AM
pH	8.13	6.5-8.5		SU		6/17/2009 11:52:00 AM
SWL	1.10			ft		6/17/2009 11:52:00 AM
Temperature	18.7			degC		6/17/2009 11:52:00 AM
Turbidity	8.20	5.0		NTU		6/17/2009 11:52:00 AM
INORGANIC ANIONS BY IC FOR WATERS				E300.1		Analyst: **NJS**
Bromide	ND	0.20		mg/L	1	6/24/2009
ICP METALS, TOTAL ASP				E200.7	(E200.7)	Analyst: **DEY**
Aluminum	255	100		µg/L	1	9/2/2009 4:04:28 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:17:09 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Barium	232	50.0		µg/L	1	8/31/2009 10:17:09 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:17:09 AM
Boron	ND	500		µg/L	1	9/5/2009 11:06:22 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:17:09 AM
Calcium	31400	1000		µg/L	1	8/31/2009 10:17:09 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:17:09 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Iron	523	60.0		µg/L	1	9/2/2009 4:04:28 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:04:28 PM
Magnesium	7830	1000		µg/L	1	8/31/2009 10:17:09 AM
Manganese	250	10.0		µg/L	1	8/31/2009 10:17:09 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:17:09 AM
Potassium	ND	1000		µg/L	1	8/31/2009 10:17:09 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:17:09 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Sodium	8150	1000		µg/L	1	8/31/2009 10:17:09 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:17:09 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Hardness, Total(CaCO3)	111000	7000		µg/L	1	8/31/2009 10:17:09 AM
TOTAL MERCURY WATERS ASP				E245.2	(E245.2)	Analyst: **DEY**
Mercury	ND	0.200		µg/L	1	7/10/2009 11:03:06 AM
COLOR				E110.2		Analyst: **JWK**
Color	9.00	5.00		UNITS	1	6/18/2009 1:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0906340	**Collection Date:**	6/17/2009 11:52:00 AM
Project:	Towslee Landfill		
Lab ID:	U0906340-012	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				**E110.2**		Analyst: **JWK**
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **KAM**
Residue, Dissolved (TDS)	110	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	100	10		mg/LCaCO3	1	6/24/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	4.74	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				**E335.4**	**(E335.4)**	Analyst: **BS**
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **KAM**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	5.19	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/19/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAF**
Chemical Oxygen Demand	ND	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				**SM3500**		Analyst: **BY**
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:16:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-013	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				FLD		Analyst:
Conductivity	413	1.0		umhos/cm		6/17/2009 12:16:00 PM
Eh	239	-300		mV		6/17/2009 12:16:00 PM
pH	6.44	6.5-8.5		SU		6/17/2009 12:16:00 PM
SWL	8.41			ft		6/17/2009 12:16:00 PM
Temperature	16.5			degC		6/17/2009 12:16:00 PM
Turbidity	40.9	5.0		NTU		6/17/2009 12:16:00 PM
INORGANIC ANIONS BY IC FOR WATERS				E300.1		Analyst: NJS
Bromide	ND	2.0		mg/L	10	8/24/2009
NOTES: The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP				E200.7	(E200.7)	Analyst: DEY
Aluminum	ND	100		µg/L	1	9/2/2009 4:09:15 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:21:48 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Barium	471	50.0		µg/L	1	8/31/2009 10:21:48 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:21:48 AM
Boron	ND	500		µg/L	1	9/5/2009 11:09:06 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:21:48 AM
Calcium	87100	1000		µg/L	1	8/31/2009 10:21:48 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:21:48 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Iron	8280	80.0		µg/L	1	9/2/2009 4:09:15 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:09:15 PM
Magnesium	18800	1000		µg/L	1	8/31/2009 10:21:48 AM
Manganese	12800	10.0		µg/L	1	8/31/2009 10:21:48 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:21:48 AM
Potassium	12400	1000		µg/L	1	8/31/2009 10:21:48 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:21:48 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Sodium	23800	1000		µg/L	1	8/31/2009 10:21:48 AM
Thallium	ND	10.0		µg/L	1	9/2/2009 4:09:15 PM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:21:48 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Hardness, Total(CaCO3)	295000	7000		µg/L	1	8/31/2009 10:21:48 AM
TOTAL MERCURY WATERS ASP				E245.2	(E245.2)	Analyst: DEY
Mercury	ND	0.200		µg/L	1	7/17/2009 3:00:28 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
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- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:16:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-013	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				**E110.2**		Analyst: **JWK**
Color	65.0	25.0		UNITS	5	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **KAM**
Residue, Dissolved (TDS)	220	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	360	10		mg/LCaCO3	1	6/24/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	20.5	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				**E335.4**	**(E335.4)**	Analyst: **BS**
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	11.8	0.500		mg/L	1	6/24/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	13.5	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	ND	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	12.0	4.00		mg/L	1	6/19/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAF**
Chemical Oxygen Demand	31	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	7.2	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/7/2009
HEXAVALENT CHROMIUM BY ASP 2005				**SM3500**		Analyst: **BY**
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:22:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-014	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	739	1.0		umhos/cm		6/17/2009 12:22:00 PM
Eh	237	-300		mV		6/17/2009 12:22:00 PM
pH	6.43	6.5-8.5		SU		6/17/2009 12:22:00 PM
SWL	7.2			ft		6/17/2009 12:22:00 PM
Temperature	15.5			degC		6/17/2009 12:22:00 PM
Turbidity	4.17	5.0		NTU		6/17/2009 12:22:00 PM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **NJS**
Bromide	ND	0.20		mg/L	1	6/24/2009
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **DEY**
Aluminum	235	100		µg/L	1	9/2/2009 4:15:21 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:26:54 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Barium	1430	50.0		µg/L	1	8/31/2009 10:26:54 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:26:54 AM
Boron	ND	500		µg/L	1	9/5/2009 11:11:50 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:26:54 AM
Calcium	237000	1000		µg/L	1	8/31/2009 10:26:54 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:26:54 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Iron	464	60.0		µg/L	1	9/2/2009 4:15:21 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:15:21 PM
Magnesium	45900	1000		µg/L	1	8/31/2009 10:26:54 AM
Manganese	6630	10.0		µg/L	1	8/31/2009 10:26:54 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:26:54 AM
Potassium	2710	1000		µg/L	1	8/31/2009 10:26:54 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:26:54 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Sodium	55400	1000		µg/L	1	8/31/2009 10:26:54 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:26:54 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Hardness, Total(CaCO3)	782000	7000		µg/L	1	8/31/2009 10:26:54 AM
TOTAL MERCURY WATERS ASP				**E245.2**	**(E245.2)**	Analyst: **DEY**
Mercury	ND	0.200		µg/L	1	7/17/2009 3:01:40 PM
COLOR				**E110.2**		Analyst: **JWK**
Color	8.00	5.00		UNITS	1	6/18/2009 1:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:22:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-014	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				**E110.2**		Analyst: **JWK**
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **KAM**
Residue, Dissolved (TDS)	870	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	580	10		mg/LCaCO3	1	6/24/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	159	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				**E335.4**	**(E335.4)**	Analyst: **BS**
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	0.665	0.500		mg/L	1	6/24/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	1.19	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	ND	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/19/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAF**
Chemical Oxygen Demand	23	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	5.5	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/7/2009
HEXAVALENT CHROMIUM BY ASP 2005				**SM3500**		Analyst: **BY**
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0906340	**Collection Date:**	6/17/2009 11:27:00 AM
Project:	Towslee Landfill		
Lab ID:	U0906340-015	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	187	1.0		umhos/cm		6/17/2009 11:27:00 AM
Eh	359	-300		mV		6/17/2009 11:27:00 AM
pH	8.16	6.5-8.5		SU		6/17/2009 11:27:00 AM
SWL	8.75			ft		6/17/2009 11:27:00 AM
Temperature	14.8			degC		6/17/2009 11:27:00 AM
Turbidity	4.55	5.0		NTU		6/17/2009 11:27:00 AM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **NJS**
Bromide	ND	0.20		mg/L	1	6/24/2009
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **DEY**
Aluminum	ND	100		µg/L	1	9/2/2009 4:21:26 PM
Antimony	ND	15.0		µg/L	1	9/2/2009 4:21:26 PM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Barium	458	50.0		µg/L	1	8/31/2009 10:41:37 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:41:37 AM
Boron	ND	500		µg/L	1	9/5/2009 11:14:34 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:41:37 AM
Calcium	59500	1000		µg/L	1	8/31/2009 10:41:37 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:41:37 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Iron	155	60.0		µg/L	1	9/2/2009 4:21:26 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:21:26 PM
Magnesium	11600	1000		µg/L	1	8/31/2009 10:41:37 AM
Manganese	164	10.0		µg/L	1	8/31/2009 10:41:37 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:41:37 AM
Potassium	ND	1000		µg/L	1	8/31/2009 10:41:37 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:41:37 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Sodium	6810	1000		µg/L	1	8/31/2009 10:41:37 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:41:37 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Hardness, Total(CaCO3)	196000	7000		µg/L	1	8/31/2009 10:41:37 AM
TOTAL MERCURY WATERS ASP				**E245.2**	**(E245.2)**	Analyst: **DEY**
Mercury	ND	0.200		µg/L	1	7/17/2009 3:02:41 PM
COLOR				**E110.2**		Analyst: **JWK**
Color	7.00	5.00		UNITS	1	6/18/2009 1:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0906340	**Collection Date:**	6/17/2009 11:27:00 AM
Project:	Towslee Landfill		
Lab ID:	U0906340-015	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				**E110.2**		Analyst: **JWK**
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **KAM**
Residue, Dissolved (TDS)	120	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	160	10		mg/LCaCO3	1	6/24/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	9.25	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				**E335.4**	**(E335.4)**	Analyst: **BS**
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **KAM**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	11.2	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/17/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAF**
Chemical Oxygen Demand	ND	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				**SM3500**		Analyst: **BY**
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:36:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-016	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	187	1.0		umhos/cm		6/17/2009 12:36:00 PM
Eh	186	-300		mV		6/17/2009 12:36:00 PM
pH	7.32	6.5-8.5		SU		6/17/2009 12:36:00 PM
SWL	14.71			ft		6/17/2009 12:36:00 PM
Temperature	14.1			degC		6/17/2009 12:36:00 PM
Turbidity	3.62	5.0		NTU		6/17/2009 12:36:00 PM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **NJS**
Bromide	ND	2.0		mg/L	10	6/29/2009
NOTES: The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **DEY**
Aluminum	ND	100		µg/L	1	9/2/2009 4:25:54 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:46:19 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Barium	404	50.0		µg/L	1	8/31/2009 10:46:19 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:46:19 AM
Boron	ND	500		µg/L	1	9/5/2009 11:17:19 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:46:19 AM
Calcium	42900	1000		µg/L	1	8/31/2009 10:46:19 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:46:19 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Iron	104	60.0		µg/L	1	9/2/2009 4:25:54 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:25:54 PM
Magnesium	11400	1000		µg/L	1	8/31/2009 10:46:19 AM
Manganese	58.5	10.0		µg/L	1	8/31/2009 10:46:19 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:46:19 AM
Potassium	1030	1000		µg/L	1	8/31/2009 10:46:19 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:46:19 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Sodium	17900	1000		µg/L	1	8/31/2009 10:46:19 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:46:19 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Hardness, Total(CaCO3)	154000	7000		µg/L	1	8/31/2009 10:46:19 AM
TOTAL MERCURY WATERS ASP				**E245.2**	**(E245.2)**	Analyst: **DEY**
Mercury	ND	0.200		µg/L	1	7/10/2009 11:07:27 AM

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:36:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-016	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				**E110.2**		Analyst: **JWK**
Color	11.0	5.00		UNITS	1	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **TCB**
Residue, Dissolved (TDS)	190	25	H	mg/L	1	9/9/2009
NOTES: Sample reanalyzed over holding time. Original analysis within holding time.						
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	140	10		mg/LCaCO3	1	6/24/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	19.4	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				**E335.4**	**(E335.4)**	Analyst: **BS**
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **KAM**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	14.2	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/19/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAF**
Chemical Oxygen Demand	ND	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				**SM3500**		Analyst: **BY**
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:10:00 PM
Projeet:	Towslee Landfill		
Lab ID:	U0906340-017	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	622	1.0		umhos/cm		6/17/2009 12:10:00 PM
Eh	219	-300		mV		6/17/2009 12:10:00 PM
pH	6.77	6.5-8.5		SU		6/17/2009 12:10:00 PM
SWL	4.11			ft		6/17/2009 12:10:00 PM
Temperature	16.0			degC		6/17/2009 12:10:00 PM
Turbidity	375	5.0		NTU		6/17/2009 12:10:00 PM
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **NJS**
Bromide	ND	0.20		mg/L	1	6/24/2009
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **DEY**
Aluminum	9560	100		µg/L	1	9/2/2009 4:30:34 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:50:59 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Barium	714	50.0		µg/L	1	8/31/2009 10:50:59 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:50:59 AM
Boron	ND	500		µg/L	1	9/5/2009 11:20:08 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:50:59 AM
Calcium	150000	1000		µg/L	1	8/31/2009 10:50:59 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:50:59 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Iron	10100	60.0		µg/L	1	9/2/2009 4:30:34 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:30:34 PM
Magnesium	38700	1000		µg/L	1	8/31/2009 10:50:59 AM
Manganese	4210	10.0		µg/L	1	8/31/2009 10:50:59 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:50:59 AM
Potassium	3580	1000		µg/L	1	8/31/2009 10:50:59 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:50:59 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Sodium	103000	1000		µg/L	1	8/31/2009 10:50:59 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:50:59 AM
Zinc	29.7	10.0		µg/L	1	8/31/2009 10:50:59 AM
Hardness, Total(CaCO3)	534000	7000		µg/L	1	8/31/2009 10:50:59 AM
TOTAL MERCURY WATERS ASP				**E245.2**	**(E245.2)**	Analyst: **DEY**
Mercury	ND	0.200		µg/L	1	7/10/2009 11:10:29 AM
ICP METALS, DISSOLVED ASP				**E200.7**	**(E200.7)**	Analyst: **DEY**
Aluminum	ND	100		µg/L	1	9/2/2009 3:43:35 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:10:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-017	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, DISSOLVED ASP				**E200.7**	**(E200.7)**	Analyst: **DEY**
Antimony	ND	30.0		µg/L	1	8/31/2009 9:43:43 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 9:43:43 AM
Barium	599	50.0		µg/L	1	8/31/2009 9:43:43 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 9:43:43 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 9:43:43 AM
Calcium	140000	1000		µg/L	1	8/31/2009 9:43:43 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 9:43:43 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 9:43:43 AM
Copper	ND	10.0		µg/L	1	8/31/2009 9:43:43 AM
Iron	ND	60.0		µg/L	1	9/2/2009 3:43:35 PM
Lead	ND	3.00		µg/L	1	9/2/2009 3:43:35 PM
Magnesium	34100	1000		µg/L	1	8/31/2009 9:43:43 AM
Manganese	3780	10.0		µg/L	1	8/31/2009 9:43:43 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 9:43:43 AM
Potassium	1820	1000		µg/L	1	8/31/2009 9:43:43 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 9:43:43 AM
Silver	ND	10.0		µg/L	1	8/31/2009 9:43:43 AM
Sodium	97200	1000		µg/L	1	8/31/2009 9:43:43 AM
Thallium	ND	10.0		µg/L	1	9/2/2009 3:43:35 PM
Vanadium	ND	30.0		µg/L	1	8/31/2009 9:43:43 AM
Zinc	22.8	10.0		µg/L	1	8/31/2009 9:43:43 AM
DISSOLVED MERCURY WATERS ASP				**E245.2**	**(E245.2)**	Analyst: **DEY**
Mercury	ND	0.200		µg/L	1	7/17/2009 2:59:15 PM
COLOR				**E110.2**		Analyst: **JWK**
Color	80.0	50.0		UNITS	10	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **KAM**
Residue, Dissolved (TDS)	720	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	500	10		mg/LCaCO3	1	6/24/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	128	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				**E335.4**	**(E335.4)**	Analyst: **BS**
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	6/24/2009

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte deteeted in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:10:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-017	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	0.851	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	22.3	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/17/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAF**
Chemical Oxygen Demand	38	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	5.7	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				**SM3500**		Analyst: **BY**
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Dupe MW-6B
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:36:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-018	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS BY IC FOR WATERS				**E300.1**		Analyst: **NJS**
Bromide	ND	2.0		mg/L	10	6/29/2009
NOTES:						
The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP				**E200.7**	**(E200.7)**	Analyst: **DEY**
Aluminum	310	100		µg/L	1	9/2/2009 4:47:25 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:55:55 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:55:55 AM
Barium	397	50.0		µg/L	1	8/31/2009 10:55:55 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:55:55 AM
Boron	ND	500		µg/L	1	9/5/2009 11:22:54 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:55:55 AM
Calcium	42200	1000		µg/L	1	8/31/2009 10:55:55 AM
Chromium	ND	5.00		µg/L	1	9/2/2009 4:47:25 PM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:55:55 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:55:55 AM
Iron	215	60.0		µg/L	1	9/2/2009 4:47:25 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:47:25 PM
Magnesium	11100	1000		µg/L	1	8/31/2009 10:55:55 AM
Manganese	74.9	10.0		µg/L	1	8/31/2009 10:55:55 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:55:55 AM
Potassium	1040	1000		µg/L	1	8/31/2009 10:55:55 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:55:55 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:55:55 AM
Sodium	18000	1000		µg/L	1	8/31/2009 10:55:55 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:55:55 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:55:55 AM
Zinc	108	10.0		µg/L	1	8/31/2009 10:55:55 AM
Hardness, Total(CaCO3)	151000	7000		µg/L	1	8/31/2009 10:55:55 AM
TOTAL MERCURY WATERS ASP				**E245.2**	**(E245.2)**	Analyst: **DEY**
Mercury	ND	0.200		µg/L	1	7/10/2009 11:11:37 AM
COLOR				**E110.2**		Analyst: **JWK**
Color	7.00	5.00		UNITS	1	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **TCB**
Residue, Dissolved (TDS)	180	25	H	mg/L	1	9/9/2009
NOTES:						
Sample reanalyzed over holding time. Original analysis within holding time.						

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *10-Sep-09*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Dupe MW-6B
Lab Order:	U0906340	**Collection Date:**	6/17/2009 12:36:00 PM
Project:	Towslee Landfill		
Lab ID:	U0906340-018	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				**E310.2**		Analyst: **VAW**
Alkalinity, Total (As CaCO3)	130	10		mg/LCaCO3	1	6/24/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	19.7	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				**E335.4**	**(E335.4)**	Analyst: **BS**
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **KAM**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				**E351.2**		Analyst: **KAM**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				**E353.2**		Analyst: **VAW**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				**E375.4**		Analyst: **KAF**
Sulfate	12.4	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/17/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAF**
Chemical Oxygen Demand	ND	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				**E420.4**	**(E420.4)**	Analyst: **BY**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				**SM3500**		Analyst: **BY**
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH **Date:** 9-10-09

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 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.: **MW-1A**

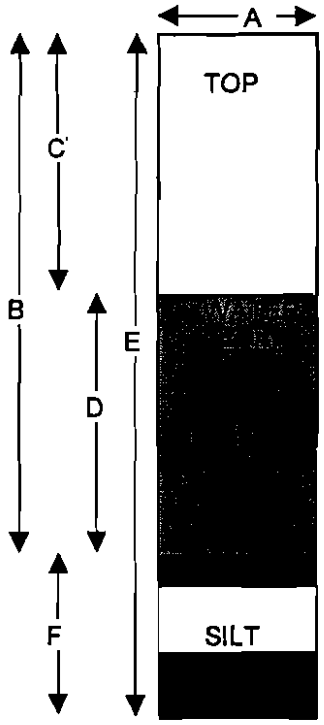
Condition of Well: Good

Locked: YES

Method of Evacuation: Dedicated Bailer

Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	33.7	feet
C.	Depth to Water	1.09	feet
D.	Length of Water Column (calculated)	32.61	feet
	Conversion Factor	X.16	——
	Well Volume (calculated)	5.2176	gallons
	No. of Volumes to be Evacuated	X3	——
	Total Volume to be Evacuated	15.6528	gallons
	Actual Volume Evacuated	16	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	6/16/09	6/17/09
Time	1:46	11:44 am
EH	201	143
Temperature	13.8°C	19.6°C
pH	8.58	8.09
Specific Cond.	207	199
Turbidity	7.62	23.4
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Cloudy

Weather: 69° Sun / 52° Cloudy

Observations: MSD

% Recharge:

Initial Depth to Water 1.09 feet

Recharge Depth to Water 1.93 feet

2nd water column height 56.48 %

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: Justin Gibson - Dan Aurell

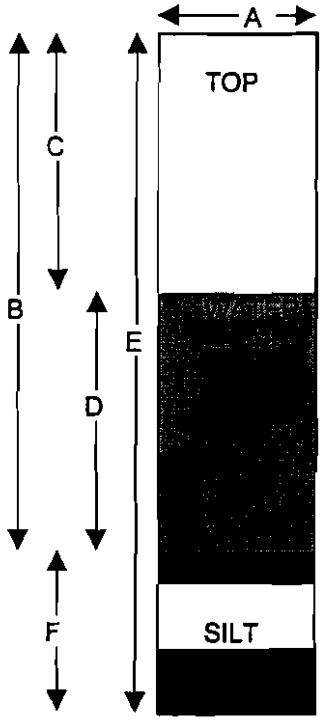
Signature: Dan Aurell

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**
Project: **Towslee Landfill**
Well ID.: **MW-1B**

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



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	55.5	feet
C.	Depth to Water	1.10	feet
D.	Length of Water Column (calculated)	54.4	feet
	Conversion Factor	X.16	---
	Well Volume (calculated)	8.704	gallons
	No. of Volumes to be Evacuated	X3	---
	Total Volume to be Evacuated	26.112	gallons
	Actual Volume Evacuated	26.5	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	6/16/09	6/17/09
Time	1:51	11:52 am
EH	131	139
Temperature	17.8°C	~~19.8°C~~ 18.7°C
pH	8.85	~~7.97~~ 8.13
Specific Cond.	107	124
Turbidity	2.11	8.20
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Clear

% Recharge:
Initial Depth to Water 1.10 feet
Recharge Depth to Water 1.12 feet
2nd water column height 98.21 %
1st water column height

Elevation(Top of Casing) N/A feet
G.W. Elevation= N/A feet
G.W.Elevation =Top of Case Elav-Total Depth

Weather: 69° Sun
Observations: 52° Cloudy

Sampler: Justin Gibson – Dan Aurell
Signature: Dan Aurell

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**

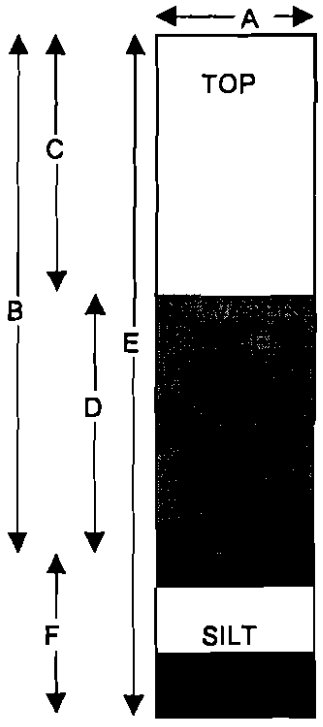
Project: **Towslee Landfill**

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

Condition of Well: Good Locked: YES

Method of Evacuation: Dedicated Bailer Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.8	feet
C.	Depth to Water	6.41	feet
D.	Length of Water Column (calculated)	6.39	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	1.0224	gallons
	No. of Volumes to be Evacuated	X3	----
	Total Volume to be Evacuated	3.0672	gallons
	Actual Volume Evacuated	3	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	6/16/09	6/17/09
Time	2:27 pm	12:16 pm
EH	233	239
Temperature	13.1°C	16.5°
pH	6.51	6.44
Specific Cond.	361	413
Turbidity	27.1	40.9
Dissolved Oxygen	N/A	N/A
Appearance	Cloudy	Cloudy

Weather: 64° Sun 54° Cloudy

Observations:

% Recharge:

Initial Depth to Water 6.41 feet

Recharge Depth to Water 6.42 feet

2nd water column height 99.84 %

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: Justin Gibson - Dan Aumell

Signature: Dan Aumell

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**

Project: **Towslee Landfill**

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

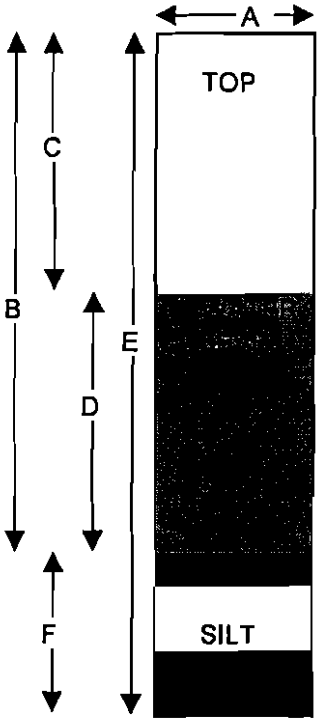
Condition of Well: Good

Locked: YES

Method of Evacuation: Dedicated Bailer

Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	33.5	feet
C.	Depth to Water	17.2	feet
D.	Length of Water Column (calculated)	16.3	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	4.208	gallons
	No. of Volumes to be Evacuated	X3	----
	Total Volume to be Evacuated	12.624	gallons
	Actual Volume Evacuated	13	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	6/16/09	6/17/09
Time	2:32pm	12:22pm
EH	233	237
Temperature	16.2°C	15.5°C
pH	6.45	6.43
Specific Cond.	730	739
Turbidity	2.01	4.17
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Clear

% Recharge:

Initial Depth to Water 17.2 feet

Recharge Depth to Water 17.2 feet

2nd water column height 100.00 %

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: 69° Sun 58° Cloudy

Observations:

Sampler: Justin Gibson - Dan Aumell

Signature: Dan Aumell

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**

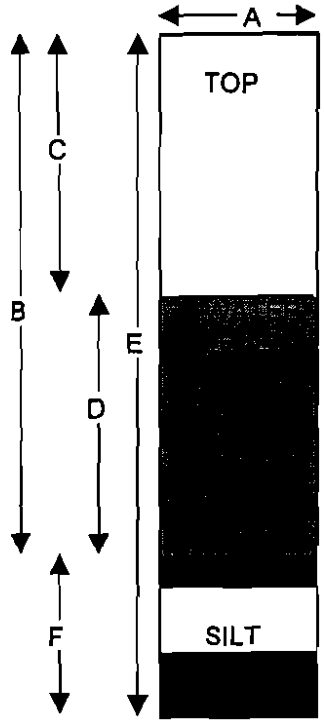
Condition of Well: Good

Locked: YES

Method of Evacuation: Dedicated Bailer

Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	22.40	feet
C.	Depth to Water	8.75	feet
D.	Length of Water Column (calculated)	13.65	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	2.184	gallons
	No. of Volumes to be Evacuated	X3	----
	Total Volume to be Evacuated	6.552	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	6/16/09	6/17/09
Time	1:31 pm	~~1:31 pm~~ 11:21am
EH	219	359
Temperature	13.3°c	14.8°c
pH	6.75	8.16
Specific Cond.	210	187
Turbidity	5.82	4.55
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Clear

% Recharge:

Initial Depth to Water 8.75 feet

Recharge Depth to Water 9.82 feet

2nd water column height 89.10 %

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: 69° Sun 52° Cloudy

Observations:

Sampler: Justin Gibson Dan Aurell

Signature: Dan Aurell

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**

Project: **Towslee Landfill**

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

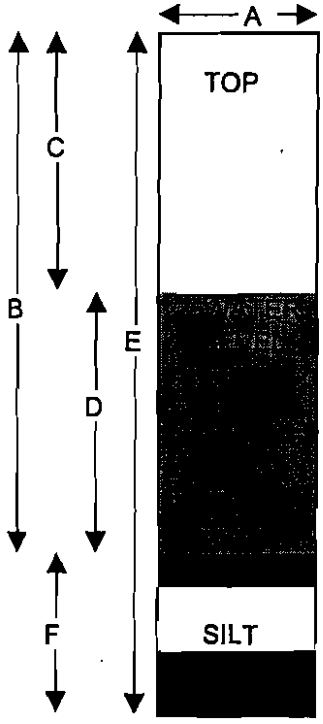
Condition of Well: Good

Locked: NO

Method of Evacuation: Dedicated Bailer

Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	40.75	feet
C.	Depth to Water	14.71	feet
D.	Length of Water Column (calculated)	26.04	feet
	Conversion Factor	X.16	——
	Well Volume (calculated)	4.1664	gallons
	No. of Volumes to be Evacuated	X3	——
	Total Volume to be Evacuated	12.4992	gallons
	Actual Volume Evacuated	12.5	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	6/16/09	6/17/09
Time	2:49 pm	12:36 pm
EH	171	186
Temperature	10.4°C	14.1°C
pH	7.24	7.32
Specific Cond.	166	187
Turbidity	19.2	3.60
Dissolved Oxygen	N/A	N/A
Appearance	SI Cloudy	Clear

% Recharge:

Initial Depth to Water 14.71 feet

Recharge Depth to Water 14.86 feet

2nd water column height 98.99 %

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: 69° Sun / 54° Cloudy

Observations: Dupe

Sampler: Justin Gibson - Dan Aumell

Signature: Dan Aumell

Upstate Laboratories, Inc. Ground water Field Log

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

Client: **Cortland County**

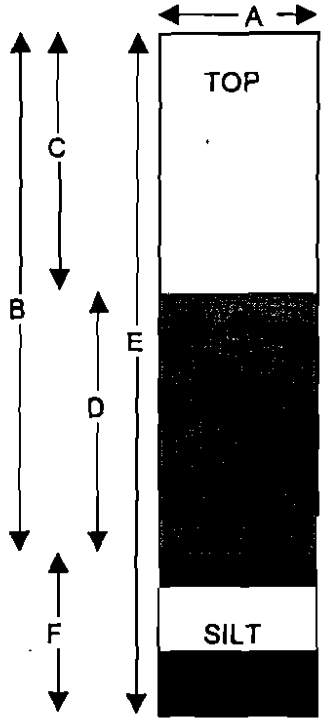
Project: **Towslee Landfill**

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

Condition of Well: Good Locked: YES

Method of Evacuation: Dedicated Bailer Lock ID:

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	22.20	feet
C.	Depth to Water	4.11	feet
D.	Length of Water Column (calculated)	18.09	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	2.8944	gallons
	No. of Volumes to be Evacuated	X3	----
	Total Volume to be Evacuated	8.6832	gallons
	Actual Volume Evacuated	9	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	6/16/09	6/17/09
Time	2:03 pm	12:10 pm
EH	227	219
Temperature	11.7°C	16.0°C
pH	6.58	6.77
Specific Cond.	630	622
Turbidity	7.34	375
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Very Cloudy

Weather: 89° Sun 54° Cloudy

Observations: Dissolved Metals Taken

% Recharge:

Initial Depth to Water 4.11 feet

Recharge Depth to Water 4.39 feet

2nd water column height 93.62 %

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

Sampler: Justin Gibson - Dan Aurell

Signature: Dan Aurell

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 U0906340	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks: 93 REGS ASP- B
MW-1A	6/16/09	1:46	WATER	GRAB	1	3	X										MSD
MW-1B	6/16/09	1:51pm	WATER	GRAB	2	2	X										
MW-2A	6/16/09	2:27pm	WATER	GRAB	3	2	X										
MW-2B	6/16/09	2:32pm	WATER	GRAB	4	2	X										
MW-3A	6/16/09	1:31pm	WATER	GRAB	5	2	X										
MW-6B	6/16/09	2:49pm	WATER	GRAB	6	2	X										
MW-7A	6/16/09	2:13pm	WATER	GRAB	7	2	X										
ULI TRIP BLANK	(6/16/09)		(Water)	(Grab)	8	1	X										
~~New Expansion Wells~~	PMH 6/16/09																
~~17A~~	~~6/16/09~~	~~11:59am~~	~~Water~~	~~Grab~~		~~2~~	~~X~~										
~~17B~~	~~6/16/09~~	~~11:53am~~	~~Water~~	~~Grab~~		~~2~~	~~X~~										
Dup MW-6B	6/16/09	2:49pm	Water	Grab	9	2	(X)										
(Holding Blank) KC 6/17/09	(6-17-09)	(1305)	(Water)	(Grab)	10	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 Aunell

Company: ULI

Name of Courier:

Relinquished by:(sign)	Date	Time	Received by: (sign)

Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
Dan Aunell	6/16/09	4pm	K Crump

~~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

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	No. of Containers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Computer Input Remarks: 93 REGS ASP- B
MW-1A	6/17/09	11:44am	WATER	GRAB	U0906340 11	7	X	X	X	X	X	X	X	X			MSD
MW-1B	6/17/09	11:52am	WATER	GRAB	12	7	X	X	X	X	X	X	X	X			
MW-2A	6/17/09	12:16pm	WATER	GRAB	13	7	X	X	X	X	X	X	X	X			
MW-2B	6/17/09	12:22pm	WATER	GRAB	14	7	X	X	X	X	X	X	X	X			
MW-3A	6/17/09	11:27am	WATER	GRAB	15	7	X	X	X	X	X	X	X	X			
MW-6B	6/17/09	12:36pm	WATER	GRAB	16	7	X	X	X	X	X	X	X	X			
MW-7A	6/17/09	12:10pm	WATER	GRAB	17	8	X	X	X	X	X	X	X	X	X		
Dupe MW-6B	6/17/09	12:36pm	Water	Grab	18	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	GLASS	8oz	NONE
5) T-CN	PLASTIC	2000ml	NOAH
6) T-PHENOLS	AMBER	32oz	H2SO4
7) TOC	PLASTIC	120ml	1:1 HCL
8) T-AL,SB*,AS*,BA,BE,CD,CA,CR,CO,CU,FE,PB*,MG, B,MN,HG,NA,NI,K,SE*,AG,TL*,V,ZN + HARDNESS	PLASTIC	500ml	HNO3
	"	"	"
9) D-AL,SB*,AS*,BA,BE,CD,CA,CR,CO,CU,FE,PB*,MG, B,MN,HG,NA,NI,K,SE*,AG,TL*,V,ZN	PLASTIC	500ml	HNO3
	"	"	"
10)			

Sampled by (Print): Dan Averell

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 Averell	6/17/09	4pm	K Crump

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Appendix C

Historical Analytical Data

Cortland County Towslee Landfill

Historical Data Page Index
Cortland County Towslee Landfill

Well	Field/ Inorganic Parameters	Total Metals	Dissolved Metals	Organics
MW-1A	2	9	16	23
MW-1B	3	10	17	24
MW-2A	4	11	18	25
MW-2B	5	12	19	26
MW-3A	6	13	20	27
MW-6B	7	14	21	28
MW-7A	8	15	22	29

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-1A - Overburden

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	8.5	12.8	19.5	15.9	9.3	6.7	21.6	16	11.2	21.7	10.6	3.6	19.6
Eh	(mV)	--	--	700	105	190	170	59	-107	-111	-68	-57	-62	-69	-21	143
pH	(Std Units)	--	--	7.8	7.7	7.52	7.69	8.29	7.93	7.83	8.01	7.85	8.07	8.23	7.4	8.09
Sp. Cond	(uS/cm)	--	--	306	355	353	369	204	221	241	658	351	344	334	344	199
Color	(Units)	5	20	--	--	<5	--	--	--	--	30	--	--	--	--	18
Turbidity	(NTU)	--	--	660	73	131	29	55.6	34.8	24.3	28.1	16	11.6	24.6	16.7	23.4
ALK as CaCO3	(mg/l)	160	145	127	139	122	132	140	120	120	130	120	120	120	130	100 H
HARD as CaCO3	(mg/l)	4000	240	167	140	148	148	134	153	148	146	151	159	165	161	163
TDS	(mg/l)	494	214	340	213	236	229	127	208	250	204	195	116	188 H	256	180
Chloride	(mg/l)	152	46	21.3	22.2	34.2	26.7	28.7	27	27	27.9	28	25.9	29.7	30.4	30.7
Sulfate	(mg/l)	20.6	14.6	27.3	12.3	16.5	14.9	8.79	14.2	48.6	11.2	16.3	<5	11.6	14	14.3
Bromide	(mg/l)	1.2	0.8	< 0.1	<0.1	<0.1	0.117	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<2	<0.2	<2
NO3 (As N)	(mg/l)	<0.1	<0.1	< 0.1	0.217	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	6	2.6	0.276	<0.02	0.161	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	18	3.8	23.3	0.529 H	0.366	<0.2	2.2	<0.5	5.66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
COD	(mg/l)	305	64	< 10	<10	<10	<10	<20	<20	<20	<20	<20	<20	<20	<20	<20
BOD	(mg/l)	5	<2	< 3	<3	<3	<3	<4	<4	<4	<4	9	<4	<4	<4	<4
TOC	(mg/l)	4.2	1.6	4.76	2.61	<2	<2	<3	<3	<3	<3	<3	<3	<3	<3	<3
Phenolics, Tot	(mg/l)	0.003	0.0015	< 0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	<0.01	<0.01	--	--	<0.01	--	--	--	--	<0.01	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-1B - Bedrock

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	5	11.4	16.4	15.8	9.6	7.2	21.5	16.3	1.7	10.2	20.9	11.8	2.7	18.7
Eh	(mV)	--	--	385	45	155	115	84	-122	-143	-80	196	-78	-78	-78	-44	139
pH	(Std Units)	--	--	7.7	7.8	7.69	7.9	8.47	8.24	8.03	8.28	8.66	8.34	8.33	8.38	7.8	8.13
Sp. Cond	(uS/cm)	--	--	157	257	244	200	156	141	1241	943	1075	245	223	229	205	124
Color	(Units)	<5	<5	--	--	<5	--	--	--	--	30	7	--	--	--	--	9
Turbidity	(NTU)	--	--	187	45	70	15.6	67.4	9.62	10.2	22.8	35.8	14.6	12.3	6.33	2.47	8.2
ALK as CaCO3	(mg/l)	94.8	93.6	92	94	91	89	99	96	100	100	100	100	100	99	92 H	100
HARD as CaCO3	(mg/l)	88	140	97.6	81.9	89	82	83.6	105	104	90.8	89.3	103	107	105	97.1	111
TDS	(mg/l)	143	86	120	111	142	120	62	162	130	104	152	130	80	140	160	110
Chloride	(mg/l)	<2	<2	2.55	2.28	3.47	0.611	3.24	4.45	3.16	6.44	3.15	5.95	5.61	6.03	2.86 H	4.74
Sulfate	(mg/l)	5.2	<5	4.72	5.51	5.33	3.76	7.09	6.31	28.8	5.26	<5	9.42	<5	<5	6.37	5.19
Bromide	(mg/l)	<0.5	<0.5	< 0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NO3 (As N)	(mg/l)	0.2	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	<0.02	0.04	0.0938	<0.02	<0.02	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	<0.2	<0.2	0.54	0.755 H	0.497	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
COD	(mg/l)	<15	<15	< 10	<10	<10	<10	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
BOD	(mg/l)	<2	<2	< 3	<3	<3	<3	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
TOC	(mg/l)	9.3	<1	5.41	2.34	<2	<2	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Phenolics, Tot	(mg/l)	<0.001	<0.001	< 0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-2A - Overburden

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	4.4	11.6	17.2	14.2	9.2	7.7	18	14.6	3.1	11.1	19.1	12	3.1	16.5
Eh	(mV)	--	--	140	-5	120	90	136	-62	-81	-25	42	-48	-31	-34	-34	239
pH	(Std Units)	--	--	6.4	6.4	6.15	6.41	7.31	7.14	7.41	7.12	7.94	7.81	7.58	7.63	7.63	6.44
Sp. Cond	(uS/cm)	--	--	621	767	784	1100	364	450	395	574	617	424	402	695	601	413
Color	(Units)	30	60	--	--	33	--	--	--	--	210	40	--	--	--	--	65
Turbidity	(NTU)	--	--	18.6	18.3	195	27	48.9	30.7	15	5.07	7.83	26.8	49.2	8.52	5.6	40.9
ALK as CaCO3	(mg/l)	702	784	330	355	384	423	380	320	420	290	360	290	380	360	320	360
HARD as CaCO3	(mg/l)	1300	720	241	260	265	301	225	262	275	165	246	203	303	343	229	295
TDS	(mg/l)	1180	986	381	397	491	487	262	355	395	284	410	357	320	356	316	220
Chloride	(mg/l)	156	149	23.3	25.7	23.5	25.7	21.2	14.7	24.4	10.6	21	13.5	20.2	15.5	13.7	20.5
Sulfate	(mg/l)	<5	<5	4.22	5.5	3.43	3.18	<5	<5	<10	9.93	<10	<5	<20	<10	<5	<5
Bromide	(mg/l)	0.8	<0.5	0.189	0.18	0.237	0.261	<0.2	<0.2	<2	<2	<2	<200	<20	<20	<2	<2
NO3 (As N)	(mg/l)	<0.1	0.14	0.228	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	23	9.1	10.6	18.4	16	15.1	10.2	9.89	14.1	13.5	8.78	8.2	11.9	10.8	8.43	11.8
TKN (as N)	(mg/l)	31.5	21.2	10.6	14 H	16.5	15	132	12.5	16.1	12.6	10.7	11.2	12.9	11.6	10.3	13.5
COD	(mg/l)	127	136	< 10	13.8	27	15.6	<20	<20	46	22	23	21	36	32	<20	31
BOD	(mg/l)	6	3	16	4.5	3.4	<3	6	7	7	<4	<4	5	7	<4	<4	12
TOC	(mg/l)	42.5	24.1	10.1	7.18	5.67	5.68	6.7	4.8	7.3	6.3	21.8	5.2	6.3	6	4.8	7.2
Phenolics, Tot	(mg/l)	0.0071	0.0066	< 0.005	0.008	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	<0.01	<0.01	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-2B - Bedrock

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	4.5	10.5	15.9	14.5	9.1	8.3	16.5	15.8	3.2	10.3	18.3	12.9	4.9	15.5
Eh	(mV)	--	--	175	110	125	115	136	-73	-77	-34	40	-46	-38	-33	-22	237
pH	(Std Units)	--	--	6.4	6.4	6.35	6.52	7.14	7.35	7.37	7.35	8.34	7.77	7.73	7.59	7.42	6.43
Sp. Cond	(uS/cm)	--	--	1350	1560	1420	1540	701	682	500	329	339	1205	1132	1137	1135	739
Color	(Units)	5	10	--	--	<5	--	--	--	--	15	7	--	--	--	--	8
Turbidity	(NTU)	--	--	17.3	19.8	18.7	28	14.2	11	9.48	37	41.5	13.5	15.4	3.14	11	4.17
ALK as CaCO3	(mg/l)	577	673	652	670	612	646	650	480	600	640	640	620	640	680	650	580
HARD as CaCO3	(mg/l)	960	900	697	726	686	675	723	575	716	652	678	654	728	788	678	782
TDS	(mg/l)	1640	1230	982	1020	1040	980	825	823	935	868	840	808	720	864	872	870
Chloride	(mg/l)	267	238	145	154	122	121	167	131	163	161	160	132	148	162	118	159
Sulfate	(mg/l)	<5	<5	1.18	2.96	<1	<1	<5	<5	10	<5	<5	<5	7.62	<5	<5	<5
Bromide	(mg/l)	1.1	0.9	0.878	1.01	0.902	0.912	0.95	<2	<2	0.92	<2	<20	<2	<0.2	<0.2	<0.2
NO3 (As N)	(mg/l)	<0.1	<0.1	< 0.1	0.216	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	0.95	1.3	0.389	0.824	0.786	0.282	0.921	0.844	1.31	1.22	0.785	0.572	1.01	0.504	0.642	0.665
TKN (as N)	(mg/l)	2.6	2	1.31	1.78 H	1.64	1.9	1.84	1.62	1.67	1.53	1.33	1.55	1.03	1.13	1.22	1.19
COD	(mg/l)	58	61	< 10	17.2	24.6	27	21	<20	<20	<20	24	<20	<20	<20	<20	23
BOD	(mg/l)	2	2	9.3	5.1	3.7	13	<4	4	<4	<4	<4	5	<4	<4	<4	<4
TOC	(mg/l)	12.3	11.9	< 2	7.76	4.82	7.49	6.4	3	5.7	17.2	82.6	23.2	4.7	6.8	4.5	5.5
Phenolics, Tot	(mg/l)	0.0044	0.0039	< 0.005	<0.005	<0.005	0.1	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	0.024	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-3A - Bedrock

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	6.4	11.7	15.3	15.7	9.3	5.6	17.9	14.6	3.4	12.1	20.6	13.5	4.2	14.8
Eh	(mV)	--	--	215	45	115	220	-50	-94	-115	-76	174	-34	-39	-41	-26	359
pH	(Std Units)	--	--	7.2	6.9	7.01	6.84	7.82	7.64	7.84	8.25	8.06	7.62	7.66	7.72	7.49	8.16
Sp. Cond	(uS/cm)	--	--	286	299	342	397	143	898	1757	939	1074	261	1759	204	1069	187
Color	(Units)	<5	<5	--	--	<5	--	--	--	--	115	15	--	--	--	--	7
Turbidity	(NTU)	--	--	58	11.9	5.2	7.2	10.6	19.6	16.4	13.7	17	17.7	17.9	6.67	10.9	4.55
ALK as CaCO3	(mg/l)	145	146	162	170	140	152	82	59	170	130	110	170	91	97	18	160
HARD as CaCO3	(mg/l)	1250	200	153	179	191	158	74	58.1	150	86.2	97.7	123	76.7	97.9	38.1	196
TDS	(mg/l)	320	269	215	208	207	207	38	168	210	144	115	188	60	112	88	120
Chloride	(mg/l)	31.4	28.7	14	12.7	13.5	12.7	3.37	1.8	12	5.73	2.43	10.5	1.1	1.75	1.85	9.25
Sulfate	(mg/l)	16	13	9.14	11	9.98	8.01	<5	<5	20.5	<5	<5	7.74	19.9	<5	7.53	11.2
Bromide	(mg/l)	0.5	<0.5	< 0.1	<0.1	0.152	0.143	1.2	<2	<0.2	<2	<2	<0.2	<20	<2	<0.2	<0.2
NO3 (As N)	(mg/l)	<0.1	0.19	< 0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	0.338	<0.2	<0.2	1.14	<0.2	<0.2
NH4 (As N)	(mg/l)	<0.02	0.09	0.0969	<0.02	<0.02	<0.1	1.45	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	0.4	0.24	0.455	1.09 H	0.239	0.266	4.26	1.47	<0.5	<0.5	<0.5	<0.5	0.718	<0.5	<0.5	<0.5
COD	(mg/l)	19	<15	< 10	<10	13	<10	47	<20	<20	<20	23	<20	34	<20	<20	<20
BOD	(mg/l)	<2	<2	< 3	<3	<3	<3	<4	8	<4	<4	<4	7	9	<4	<4	<4
TOC	(mg/l)	4.5	1.9	5.58	<2	<2	<2	<3	<3	<3	3.7	<3	<3	7.3	3.6	<3	<3
Phenolics, Tot	(mg/l)	0.0027	<0.001	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-6B - Bedrock

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	7.9	10.5	12.2	14.3	9.7	7.4	15.6	14.8	3.7	10.4	16.1	12.6	6.5	14.1
Eh	(mV)	--	--	250	85	225	180	82	-92	-105	-57	121	-71	-81	-54	-38	186
pH	(Std Units)	--	--	6.7	7.4	7.52	7.11	8.04	7.73	7.85	7.82	8.55	8.25	8.21	7.96	7.7	7.32
Sp. Cond	(uS/cm)	--	--	347	287	304	329	220	249	236	810	199	360	343	355	327	187
Color	(Units)	<5	20	--	--	<5	--	--	--	--	6	7	--	--	--	--	11
Turbidity	(NTU)	--	--	40	19.9	15.8	14.2	68.9	8.1	9.48	12.5	13.6	11.6	2.19	5.24	9.56	3.62
ALK as CaCO3	(mg/l)	240	224	131	148	154	153	180	160	150	140	140	140	110	120	120	140
HARD as CaCO3	(mg/l)	300	240	135	144	131	133	156	139	138	124	136	142	137	134	142	154
TDS	(mg/l)	98	280	209	175	190	187	127	105	220	208	198	225	116	168	188	190 H
Chloride	(mg/l)	38.2	35	21.1	2.33	2.32	3.39	11.6	6.99	13.8	25.9	16.7	16.9	31.1	28.6	13.3	19.4
Sulfate	(mg/l)	27.1	22.2	13.8	3.95	3.28	6.14	8.54	6.79	17.3	12.7	18.1	16.5	26.8	17.2	13.2	14.2
Bromide	(mg/l)	<0.5	<0.5	< 0.1	<0.1	0.122	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2
NO3 (As N)	(mg/l)	0.6	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	0.09	2.5	0.0549	<0.02	0.096	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	0.6	3.3	0.392	0.904 H	0.214	0.279	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
COD	(mg/l)	40	19	< 10	<10	11.6	<10	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
BOD	(mg/l)	<2	2	< 3	5.1	3.2	<3	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
TOC	(mg/l)	6	5.8	5.22	3.14	<2	<2	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Phenolics, Tot	(mg/l)	0.0032	<0.001	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-7A - Overburden

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	4.5	11.6	17.4	13.9	9.3	7.8	18.8	15.2	2	9.8	18.6	11.1	4.2	16
Eh	(mV)	--	--	215	120	245	190	77	-64	-69	-24	245	-37	-42	-41	-19	219
pH	(Std Units)	--	--	6.5	6.4	6.34	6.62	7.04	7.12	7.2	7.11	7.77	7.63	7.73	8.09	7.35	6.77
Sp. Cond	(uS/cm)	--	--	1360	1520	1440	1480	893	765	514	972	561	1174	618	214	1014	622
Color	(Units)	20	5	--	--	<5	--	--	--	--	85	7	--	--	--	--	80
Turbidity	(NTU)	--	--	214	18	13.6	42	45.3	54.3	40.9	48.1	39.3	44.4	41.6	42.7	40.9	375
ALK as CaCO3	(mg/l)	569	660	648	675	595	635	640	510	530	540	570	560	600	670	500	500
HARD as CaCO3	(mg/l)	1010	1150	627	599	531	526	529	499	481	459	528	506	538	569	496	534
TDS	(mg/l)	1220	1240	981	967	963	949	753	865	3000	752	800	1560	668	728	748	720
Chloride	(mg/l)	300	276	144	143	119	85	145	131	145	141	141	1260	136	135	114	128
Sulfate	(mg/l)	27.4	20.2	20.6	22.5	19.7	14.1	16.5	23.2	22.7	17.8	12.2	<20	21	16.1	21	22.3
Bromide	(mg/l)	0.6	<0.5	0.753	0.633	0.822	0.483	0.6	<0.2	<2	<2	<2	<200	<20	<20	<0.2	<0.2
NO3 (As N)	(mg/l)	<0.1	0.2	< 0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	0.25	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	0.93	0.89	0.34	<0.02	<0.02	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	1.1	1.4	1.5	1.68 H	0.75	1.11	1.47	3.6	0.784	0.591	0.522	0.949	<0.5	<0.5	1.92	0.851
COD	(mg/l)	43	112	21.2	16.5	26.4	20.5	27	<20	<20	<20	<20	36	22	29	<20	38
BOD	(mg/l)	<2	2	< 3	<3	<3	<3	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
TOC	(mg/l)	10.1	12.6	12.8	8.19	6.12	7.46	8.1	6	7.2	11.5	69.9	17.8	5.2	6.1	5.1	5.7
Phenolics, Tot	(mg/l)	0.0051	0.0027	< 0.005	0.007	<0.005	<0.005	<0.005	0.006	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	<0.01	<0.01	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Data - Towslee Landfill

MW-1A Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	724	16.9	--	--	2.96	--	--	--	--	2.07	--	--	--	--	1.57
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	--	--	--	--	<0.015
Arsenic	0.353	0.0134	--	--	<0.025	--	--	--	--	<0.01	--	--	--	--	<0.01
Barium	8.11	0.258	--	--	0.104	--	--	--	--	0.0917	--	--	--	--	0.0732
Beryllium	0.0287	0.00083 B	--	--	<0.005	--	--	--	--	<0.003	--	--	--	--	<0.003
Boron	0.0873 B	0.0665 B	--	--	0.073	--	--	--	--	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	430	48.6	46.2	41.8	43.2	43.9	39.2	44.5	43.5	42.2	43.2	46.2	48.3	47.2	47
Chromium	1.04	0.0265	--	--	<0.005	--	--	--	--	<0.005	--	--	--	--	<0.005
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	--	--	--	--	<0.01
Cobalt	0.59	0.0168 B	--	--	<0.015	--	--	--	--	<0.02	--	--	--	--	<0.02
Copper	0.996	0.0254	--	--	0.022	--	--	--	--	<0.01	--	--	--	--	<0.01
Iron	1550	35.7	19.4	2.99	6.03	2.11	1.67	2.14	1.21	3.49	1.17	0.217	0.429	0.818	1.65
Lead	0.454	0.0123	0.00716	0.007	<0.005	<0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	309	15.6	12.6	8.67	9.7	9.43	8.87	10.2	9.67	9.8	10.6	10.7	10.8	10.6	11.1
Manganese	24.6	0.783	0.534	0.194	0.38	0.306	0.19	0.193	0.206	0.203	0.157	0.135	0.151	0.0917	0.169
Mercury	0.0014	<0.0001	--	--	<0.0004	--	--	--	--	<0.0002	--	--	--	--	<0.0002
Nickel	1.33	0.0364 B	--	--	<0.01	--	--	--	--	<0.03	--	--	--	--	<0.03
Potassium	77.5	6.97	2.72	1.6	1.7	1.62	1.74	2.31	1.59	2.06	1.65	1.51	1.69	1.52	1.78
Sodium	37.3	26	17.1	13	13.6	13.5	12.2	12.5	13	11.8	12.5	13.8	13.2	13.4	13.9
Selenium	<0.028	<0.0028	--	--	<0.02	--	--	--	--	<0.005	--	--	--	--	<0.005
Silver	<0.009	<0.0009	--	--	<0.015	--	--	--	--	<0.01	--	--	--	--	<0.01
Thallium	<0.026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	--	--	--	--	<0.01
Vanadium	0.856	0.0243 B	--	--	<0.015	--	--	--	--	<0.03	--	--	--	--	<0.03
Zinc	3.36	0.0874	--	--	0.106	--	--	--	--	0.0235	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill

MW-1B Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	0.662	0.134 B	--	--	1.09	--	--	--	--	0.537	0.518	--	--	--	--	0.255
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	<0.0024	<0.0024	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	0.168 B	0.154 B	--	--	0.194	--	--	--	--	0.172	0.199	--	--	--	--	0.232
Beryllium	0.0001 B	<0.0001	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	0.0197 B	0.0247 B	--	--	<0.05	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00542	<0.005
Calcium	26.7	24.7	26.8	23.9	25.8	24.1	23.7	30	29.9	26	25.1	28.6	30.2	30	27.7	31.4
Chromium	0.002 B	<0.0004	--	--	<0.005	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Cobalt	<0.0011	<0.0011	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.004 B	0.0025 B	--	--	0.017	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	1.33	0.226	9.42	1.48	1.84	0.273	2.39	0.508	0.465	0.73	1	1.38	0.185	0.174	2.92	0.523
Lead	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	0.00431	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	6.47	5.84	7.46	5.39	6.05	5.31	5.94	7.4	7.12	6.28	6.44	7.58	7.74	7.28	6.76	7.83
Manganese	0.195	0.146	2.28	0.191	0.251	0.126	0.521	0.169	0.19	0.176	0.26	0.198	0.169	0.153	0.223	0.25
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	<0.0013	<0.0013	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	1.56 B	0.529 B	0.973	0.468	0.523	0.374	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sodium	7.38	6.18	6.31	5.22	6.35	5.92	5.22	6.82	7.1	5.84	5.66	6.73	7.29	6.81	6.37	8.15
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	<0.0012	<0.0012	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.0351	0.0163 B	--	--	0.052	--	--	--	--	0.0168	0.0112	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill

MW-2A Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	79.3	59.1	--	--	0.43	--	--	--	--	0.444	1.98	--	--	--	--	<0.1
Antimony	0.0049 B	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	0.0631	0.0537	--	--	<0.025	--	--	--	--	<0.01	0.0145	--	--	--	--	<0.01
Barium	1.75	1.49	--	--	0.502	--	--	--	--	0.265	0.377	--	--	--	--	0.471
Beryllium	0.0037 B	0.0025 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	1.21	0.961	--	--	0.584	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	0.0016 B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	186	172	69.1	74.1	77.3	88.5	64.2	75.3	80.4	47.9	70.3	57.5	87.8	99	66.7	87.1
Chromium	0.112	0.0967	--	--	<0.005	--	--	--	--	<0.005	0.0177	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.02	<0.05	--	--	--	--	<0.01
Cobalt	0.0719	0.0628	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.104	0.0779	--	--	0.012	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	154	131	8.29	24	6.5	10.1	10.8	6.86	7.67	4.95	9.77	4.1	10.6	9.51	7.77	8.28
Lead	0.0561	0.0436	<0.005	0.019	<0.005	0.006	0.00524	<0.003	<0.003	<0.003	<0.003	<0.003	0.0039	<0.003	<0.003	<0.003
Magnesium	61.6	53.6	16.6	18.3	17.5	19.4	15.7	17.9	18	11	17.1	14.3	20.3	23.1	15.1	18.8
Manganese	35.7	31.6	12.2	11.5	12	13.6	9.93	11.7	12.7	7.05	11.2	9.3	13.8	15.1	10.7	12.8
Mercury	<0.0001	<0.0001	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.151	0.132	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	23.4	17	9.29	11.2	12.3	12.7	9.02	10.8	13.3	2.14	8.56	7.56	12.3	15.1	7.48	12.4
Sodium	119	102	26.3	25.2	31.4	31.4	19.5	22.9	26.1	13.8	19.2	16.5	25.6	25.9	17.8	23.8
Selenium	<0.0028	<0.0028	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	0.0024 B	0.0014 B	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	0.004 B	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.102	0.0866	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.4	0.278	--	--	<0.01	--	--	--	--	<0.01	0.0101	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill

MW-2B Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	2.03	5.31	--	--	0.18	--	--	--	--	<0.1	0.168	--	--	--	--	0.235
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	0.007 B	0.0083 B	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	1.59	1.36	--	--	1.22	--	--	--	--	1.09	1.18	--	--	--	--	1.43
Beryllium	0.00023 B	0.00037 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	0.355	0.292	--	--	0.256	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	0.0003 B	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	288	245	203	216 E	203 E	200	216	170	214	195	201	192	214	235	201	237
Chromium	0.004 B	0.0086 B	--	--	<0.005	--	--	--	--	<0.005	0.00816	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Cobalt	0.0091 B	0.0141 B	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.0069 B	0.0118 B	--	--	0.017	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	4.3	10.7	0.913	0.836	1.2	1.07	0.637	0.469	0.468	0.323	0.439	0.56	0.236	0.28	0.466	0.464
Lead	0.0044	0.0058	<0.005	0.009	<0.005	<0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	61.7	49.9	46.1	45.3	43.5	42.7	44.8	36.3	44.1	39.9	42.8	42.4	47.1	49.1	42.9	45.9
Manganese	8.24	7.43	6.98	6.8	6.63	6.46	6.42	4.93	6.6	5.7	6.21	5.96	6.49	6.84	6.5	6.63
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.0129 B	0.0188 B	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	3 B	2.9 B	2.42	2.25	2.28	2.38	2.74	2.14	2.44	<1	2.44	2.2	2.23	3.13	2.44	2.71
Sodium	64.1	53.9	53.8	49.7	51.1	51	50.9	40.8	52.3	48.2	50.6	47.4	51.4	58.2	49.3	55.4
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	0.0037 B	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.0029 B	0.0075 B	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.103	0.0484	--	--	<0.01	--	--	--	--	0.0469	<0.01	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill

MW-3A Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	21.7	2.39	--	--	0.078	--	--	--	--	0.33	0.23	--	--	--	--	<0.1
Antimony	<0.003	0.0034 B	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.015
Arsenic	0.0127	<0.0024	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	0.567	0.343	--	--	0.41	--	--	--	--	0.332	0.441	--	--	--	--	0.458
Beryllium	0.001 B	0.00013 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	<0.0709	0.0286 B	--	--	0.063	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	57.8	53.7	46.3	55.3	57.9	48.3	23	18.1	45.1	27.5	30.2	37.6	24.4	31.3	12.3	59.5
Chromium	0.0249	0.0022 B	--	--	<0.005	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Cobalt	0.0121 B	0.0019 B	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.0315	0.0076 B	--	--	0.023	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	26.6	3.58	1.88	0.626	0.104	0.283	1.18	0.599	0.231	0.537	0.451	0.574	0.508	0.177	0.6	0.155
Lead	0.0077	<0.001	<0.005	0.005	0.005	<0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	17	11	9.13	10	11.2	9.2	4.04	3.1	9.15	4.26	5.42	7.04	3.83	4.8	1.82	11.6
Manganese	0.732	0.174	0.208	0.175	0.416	0.176	0.415	0.501	0.116	0.287	0.0373	0.141	0.618	0.0424	0.294	0.164
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.0248 B	0.0038 B	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	7.43	1.87 B	0.938	0.829	1.09	0.937	<1	<1	<1	<1	<1	<1	1.06	<1	<1	<1
Sodium	10.4	6.54	5.66	6.4	8.92	6.03	2.11	1.14	5.1	2.64	2.9	3.52	2.77	2.69	<1	6.81
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.0296 B	0.0039 B	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.112	0.0265	--	--	0.025	--	--	--	--	0.0106	<0.01	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill
MW-6B Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	8.59	0.642	--	--	0.115	--	--	--	--	0.102	0.134	--	--	--	--	<0.1
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	0.009 B	0.0084 B	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	0.521	0.48	--	--	0.313	--	--	--	--	0.301	0.337	--	--	--	--	0.404
Beryllium	0.0004 B	0.0001 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	0.145	0.145	--	--	<0.05	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	70.5	55.6	39.3	39.6	36.1	37.4	45.6	39.9	40.2	36.7	39.2	39.5	39	38.7	39.6	42.9
Chromium	0.0092 B	0.0017 B	--	--	<0.005	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Cobalt	0.0112 B	0.0056 B	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.0116 B	0.0051 B	--	--	0.016	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	10.6	3	1.09	0.511	0.306	0.195	1.87	0.486	0.163	0.216	0.229	0.33	<0.06	<0.06	0.268	0.104
Lead	0.0044	<0.001	<0.005	<0.005	<0.005	<0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	19	12.7	8.94	10.9	9.86	9.71	10.2	9.68	9.12	7.81	9.37	10.4	9.61	9.13	10.5	11.4
Manganese	3.43	4.17	0.559	0.12	0.297	0.185	0.331	0.0908	0.671	0.712	0.327	0.102	0.666	0.619	0.0257	0.0585
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.0144 B	0.0059 B	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	4.08 B	2.72 B	1.15	0.825	0.634	0.69	1.05	<1	<1	<1	<1	<1	<1	1.4	1.01	1.03
Sodium	38	31.4	14.9	9.93	10.1	10.7	11.2	10.2	15	14.7	13.8	12.7	18.1	17.6	13.1	17.9
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.0083 B	0.0012 B	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.0894	0.0248	--	--	0.014	--	--	--	--	0.0213	0.0103	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill

MW-7A Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	40	88.4	--	--	0.415	--	--	--	--	2.43	0.919	--	--	--	--	9.56
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	0.0176	0.0459	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	1.36	1.99	--	--	0.684	--	--	--	--	0.576	0.68	--	--	--	--	0.714
Beryllium	0.0015 B	0.0037 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	0.332	0.41	--	--	0.55	--	--	--	--	0.65	0.588	--	--	--	--	<0.5
Cadmium	0.00047 B	0.002 B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	234	271	171	165	150	148	149	140	135	131	148	139	150	162	140	150
Chromium	0.0556	0.146	--	--	<0.005	--	--	--	--	<0.005	0.00667	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.05	--	--	--	--	<0.01
Cobalt	0.0311	0.0791	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.0637	0.129	--	--	0.013	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	65.9	174	14.5	1.33	0.722	2.78	1.68	1.52	9.97	3.65	1.68	1.99	0.342	1.16	0.322	10.1
Lead	0.0251	0.0585	0.0175	0.009	0.006	<0.005	<0.003	<0.003	0.00656	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	67	88.3	48.6	45.5	38	38	38.4	36.4	35	32.1	38.4	38.5	39.5	39.8	35.8	38.7
Manganese	5.87	9.55	6.08	5.69	4.4	4.85	4.51	4.18	3.98	3.47	4.17	4.34	4.82	4.57	4.31	4.21
Mercury	<0.0001	<0.0001	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.0783	0.192	--	--	0.013	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	10.4	13.5	3.06	1.91	1.81	2.03	2.03	1.95	2.87	<1	1.85	1.98	1.82	2.41	1.62	3.58
Sodium	118	113	134	129	124	128	112	104	95.8	95.2	104	99.6	113	116	97	103
Selenium	0.0041 B	0.0047 B	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	<0.0009	<0.0009	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.0487 B	0.127	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.2	0.408	--	--	<0.01	--	--	--	--	0.0263	0.0102	--	--	--	--	0.0297

All units in mg/l

Historical Water Quality Database - Towslee Landfill

MW-1A Dissolved Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	3/20/07
Aluminum	0.0163 B	0.0407 B	--	--	0.066	--
Antimony	--	--	--	--	<0.05	--
Arsenic	<0.0024	<0.0024	--	--	<0.025	--
Barium	0.137 B	0.068 B	--	--	0.066	--
Beryllium	<0.0001	<0.0001	--	--	<0.005	--
Boron	0.0631 B	0.0561 B	--	--	<0.07	--
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005
Calcium	67.6	40.3	40.7	38.9	38.6	40.3
Chromium	<0.0004	<0.0004	--	--	<0.005	--
Chrom, Hex	--	--	--	--	--	--
Cobalt	<0.0011	<0.0011	--	--	<0.015	--
Copper	0.0008 B	<0.0007	--	--	0.013	--
Iron	0.0348 B	0.0471 B	13.5	0.315	0.125	<0.06
Lead	0.0052	<0.001	<0.005	0.005	<0.005	<0.003
Magnesium	15.4	8.69	10.4	8.12	8.18	8.83
Manganese	0.22	0.174	0.238	0.127	0.248	<0.01
Mercury	0.0014	<0.0001	--	--	<0.0004	--
Nickel	<0.0013	<0.0013	--	--	<0.01	--
Potassium	10.6	4.92 B	2.52	1.38	1.31	1.72
Sodium	59.3	27.1	14.7	12.3	13	12.3
Selenium	--	--	--	--	<0.02	--
Silver	--	--	--	--	<0.015	--
Thallium	<0.0026	<0.0026	--	--	<0.03	--
Vanadium	<0.0012	<0.0012	--	--	<0.015	--
Zinc	0.12	0.0161 B	--	--	0.033	--

All units are mg/l

Historical Water Quality Database - Towslee Landfill

MW-1B Dissolved Metals

Parameter	Aug-97	Oct-97	3/22/06	8/9/06	3/20/07
Aluminum	0.0146 B	0.0209 B	--	0.195	--
Antimony	<0.003	<0.003	--	<0.05	--
Arsenic	<0.0024	<0.0024	--	<0.025	--
Barium	0.151 B	0.155 B	--	0.162	--
Beryllium	<0.0001	<0.0001	--	<0.005	--
Boron	0.0195 B	0.0162 B	--	<0.07	--
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005
Calcium	24.8	24.5	22.8	24.4	24.5
Chromium	0.0008 B	0.00073 B	--	<0.005	--
Chrom, Hex	--	--	--	--	--
Cobalt	<0.0011	<0.0011	--	<0.015	--
Copper	<0.0007	<0.0007	--	0.013	--
Iron	0.0172 B	0.0141 B	0.339	0.339	<0.06
Lead	--	--	<0.005	<0.005	<0.003
Magnesium	6.62	5.88	5.15	5.54	5.88
Manganese	0.141	0.134	0.0136	0.135	<0.01
Mercury	--	--	--	<0.0004	--
Nickel	<0.0013	<0.0013	--	<0.01	--
Potassium	1.63 B	0.514 B	0.487	0.403	<1
Sodium	7.53	6.59	4.75	5.31	5.73
Selenium	--	--	--	<0.02	--
Silver	--	--	--	<0.015	--
Thallium	--	--	--	<0.03	--
Vanadium	--	--	--	<0.015	--
Zinc	0.0396	0.0152 B	--	0.029	--

All units are mg/l

Historical Water Quality Database - Towslee Landfill

MW-2A Dissolved Metals

Parameter	Aug-97	Oct-97	8/9/06
Aluminum	<0.0083	0.0482 B	0.044
Antimony	--	--	<0.05
Arsenic	0.0123	0.0139	<0.025
Barium	0.787	0.786	0.427
Beryllium	0.00017 B	0.0001 B	<0.005
Boron	1.21	0.992	0.562
Cadmium	0.00053 B	<0.0003	<0.005
Calcium	183	183	77.6
Chromium	0.0035 B	0.0057 B	<0.005
Chrom, Hex	--	--	--
Cobalt	0.0107 B	0.0095 B	<0.015
Copper	0.0162 B	<0.0007	0.015
Iron	5.4	11.5	0.204
Lead	<0.001	0.0011 B	<0.005
Magnesium	41	38.5	17.1
Manganese	30.4	30.9	12.1
Mercury	<0.0001	<0.0001	<0.0004
Nickel	0.0179 B	0.0162 B	<0.01
Potassium	17.5	14.2	12.5
Sodium	121	115	29.6
Selenium	--	--	<0.02
Silver	--	--	<0.015
Thallium	0.003 B	<0.0026	<0.03
Vanadium	<0.0012	<0.0012	<0.015
Zinc	0.117	0.0207	0.013

All units are mg/l

Historical Water Quality Database - Towslee Landfill

MW-2B Dissolved Metals

Parameter	Aug-97	Oct-97
Aluminum	0.0179 B	0.0154 B
Antimony	<0.003	<0.003
Arsenic	0.0036 B	<0.0024
Barium	1.55	1.45
Beryllium	<0.0001	<0.0001
Boron	0.334	0.321
Cadmium	<0.0003	<0.0003
Calcium	281	274
Chromium	0.0009 B	0.0014 B
Chrom, Hex	--	--
Cobalt	0.0067 B	0.0061 B
Copper	0.0022 B	<0.0007
Iron	0.582	0.595
Lead	--	--
Magnesium	61.7	55
Manganese	8.07	8
Mercury	--	--
Nickel	0.0093 B	0.0097 B
Potassium	2.8 B	2.34 B
Sodium	62.5	62.8
Selenium	--	--
Silver	--	--
Thallium	--	--
Vanadium	--	--
Zinc	0.0635	0.023

All units are mg/l

Historical Water Quality Database - Towslee Landfill

MW-3A Dissolved Metals

Parameter	Aug-97	Oct-97	3/22/06
Aluminum	<0.0083	0.0158	--
Antimony	0.0038 B	<0.003	--
Arsenic	<0.0024	<0.0024	--
Barium	0.242	0.276	--
Beryllium	<0.0001	<0.0001	--
Boron	0.0324 B	0.0275 B	--
Cadmium	<0.0003	<0.0003	<0.005
Calcium	57.9	54.6	44.3
Chromium	<0.0004	<0.0004	--
Chrom, Hex	--	--	--
Cobalt	<0.0011	<0.0011	--
Copper	0.0024 B	0.00083 B	--
Iron	0.0061 B	0.0114 B	0.168
Lead	--	--	<0.005
Magnesium	12.9	10.9	8.7
Manganese	0.123	0.0941	0.0963
Mercury	--	--	--
Nickel	<0.0013	0.0017 B	--
Potassium	2.75 B	1.42 B	0.803
Sodium	10.2	7.98	4.83
Selenium	--	--	--
Silver	--	--	--
Thallium	--	--	--
Vanadium	--	--	--
Zinc	0.0249	0.0387	--

All units are mg/l

Historical Water Quality Database - Towslee Landfill

MW-6B Dissolved Metals

Parameter	Aug-97	Oct-97	3/20/07
Aluminum	<0.0083	0.0132 B	--
Antimony	<0.003	<0.003	--
Arsenic	0.0048 B	0.0073 B	--
Barium	0.396	0.478	--
Beryllium	<0.0001	<0.0001	--
Boron	0.125	0.14	--
Cadmium	<0.0003	<0.0003	<0.005
Calcium	67.7	56.3	45.6
Chromium	<0.0004	0.00087 B	--
Chrom, Hex	--	--	--
Cobalt	0.0052 B	0.0041 B	--
Copper	0.0011 B	<0.0007	--
Iron	0.346	1.42	<0.06
Lead	--	--	<0.003
Magnesium	17.3	12.9	10.6
Manganese	3.3	3.99	0.137
Mercury	--	--	--
Nickel	0.0046 B	0.0048 B	--
Potassium	2.97 B	2.77 B	1.19
Sodium	38.2	33.3	12.1
Selenium	--	--	--
Silver	--	--	--
Thallium	--	--	--
Vanadium	--	--	--
Zinc	0.0651	0.0207	--

All units are mg/l

Historical Water Quality Database - Towslee Landfill
MW-7A Dissolved Metals

Parameter	Aug-97	Oct-97	3/22/06	6/17/09
Aluminum	<0.0083	0.0755 B	--	<0.1
Antimony	--	--	--	<0.03
Arsenic	<0.0024	<0.0024	--	<0.01
Barium	0.822	0.887	--	0.599
Beryllium	0.0001 B	<0.0001	--	<0.003
Boron	0.331	0.396	--	--
Cadmium	0.0003 B	<0.0003	<0.005	<0.005
Calcium	220	255	158	140
Chromium	0.0008 B	0.0011 B	--	<0.01
Chrom, Hex	--	--	--	--
Cobalt	0.0017 B	0.0031 B	--	<0.02
Copper	0.0086 B	<0.0007	--	<0.01
Iron	0.009 B	0.753	0.0637	<0.06
Lead	<0.001	<0.001	<0.005	<0.003
Magnesium	56.2	59.9	43.6	34.1
Manganese	4.53	7.12	5.35	3.78
Mercury	<0.0001	<0.0001	--	<0.0002
Nickel	0.0129 B	0.0196 B	--	<0.03
Potassium	5.28	3.98 B	1.9	1.82
Sodium	120	129	126	97.2
Selenium	--	--	--	<0.005
Silver	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	<0.01
Vanadium	<0.0012	<0.0012	--	<0.03
Zinc	0.0455	0.0186	--	0.0228

All units are mg/l

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-1A - Overburden

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	< 5
Chloroethane	VOC	<10	<10	<5	<5	< 5
Acetone	VOC	10	<10	<25	<10	< 10
Methylene Chloride	VOC	<10	<10	<5	<5	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	< 5
Benzene	VOC	<10	<10	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	< 5
Chlorobenzene	VOC	<10	<10	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA

All units are ug/l
J - estimated
B - analyte also detected in blank
(1) 1997 results are for total 1,2-DCE - total has been applied to each compound
NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-1B - Bedrock

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	<5	< 5
Chloroethane	VOC	<10	<10	<5	<5	<5	< 5
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	<10	<10	<5	<5	13 B	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	<5	< 5
Benzene	VOC	<10	<10	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	<10	<10	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l
J - estimated
B - analyte also detected in blank
(1) 1997 results are for total 1,2-DCE - total has been applied to each compound
NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-2A - Overburden

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	<5	< 5
Chloroethane	VOC	5 J	4 J	<5	<5	<5	< 5
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	1 JB	<10	<5	<5	12 B	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	<5	< 5
Benzene	VOC	5 J	6 J	<5	<5	<5	< 5
Toluene	VOC	1 J	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	5 J	<10	<5	4 J	<5	3 J
Ethylbenzene	VOC	2 J	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	5 J	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	1 J	2 J	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	1 J	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l
J - estimated
B - analyte also detected in blank
(1) 1997 results are for total 1,2-DCE - total has been applied to each compound
NA - not analyzed

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

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	5.8	<5	12
Chloroethane	VOC	4 J	3 J	<5	4 J	<5	5.9
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	1 JB	<10	<5	<5	11 B	< 5
trans-1,2-Dichloroethene (1)	VOC	1 J	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	1 J	<10	6.2	9.2	9.4	19
1,1-Dichloroethane	VOC	1 J	1 J	<5	<5	<5	< 5
Benzene	VOC	<10	2 J	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	<10	1 J	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	1 JB	NA	NA	NA	NA

All units are ug/l
J - estimated
B - analyte also detected in blank
(1) 1997 results are for total 1,2-DCE - total has been applied to each compound
NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-3A - Bedrock

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	<5	< 5
Chloroethane	VOC	<10	<10	<5	<5	<5	< 5
Acetone	VOC	2 J	<10	<25	<10	<10	24
Methylene Chloride	VOC	5 JB	<10	<5	<5	11 B	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	<5	< 5
Benzene	VOC	<10	<10	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	82
Chlorobenzene	VOC	<10	<10	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l
J - estimated
B - analyte also detected in blank
(1) 1997 results are for total 1,2-DCE - total has been applied to each compound
NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-6B - Bedrock

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	<5	< 5
Chloroethane	VOC	<10	<10	<5	<5	<5	< 5
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	<10	<10	<5	<5	12 B	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	<5	< 5
Benzene	VOC	<10	<10	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	<10	<10	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l
J - estimated
B - analyte also detected in blank
(1) 1997 results are for total 1,2-DCE - total has been applied to each compound
NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-7A - Overburden

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	2 J	5 J	<5	4 J	8.2	5.7
Chloroethane	VOC	<10	1 J	<5	<5	<5	< 5
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	1 JB	<10	<5	<5	<5	< 5
trans-1,2-Dichloroethene (1)	VOC	1 J	2 J	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	1 J	2 J	7.1	6.1	9	5.4
1,1-Dichloroethane	VOC	3 J	4 J	6.1	5 J	7.9	5 J
Benzene	VOC	<10	<10	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	<10	<10	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l
J - estimated
B - analyte also detected in blank
(1) 1997 results are for total 1,2-DCE - total has been applied to each compound
NA - not analyzed