Environmental Monitoring Report
2007 Quarters 3 and 4
and Annual Summary

Cortland County Towslee Landfill

Town Line Road
Cortland County, New York

NYSDEC Region 7

Prepared for:

Cortland County Highway Department
Traction Drive
Cortland, NY 13045

Prepared by:

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

TABLE OF CONTENTS

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 3 and 4 of 2007, 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 3 and 4. 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

4.0 Assessment of Monitoring Results

This section provides an evaluation of groundwater monitoring results for all four Quarters of 2007. 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 3 laboratory analytical report.
- Appendix B contains the Quarter 4 laboratory analytical report.
- Appendix C contains tables of historical water quality data through the latest monitoring round.

Note that Quarter 1 and Quarter 2 laboratory reports were presented in a previous report.

4.1 Contraventions of Water Quality Standards

This subsection compares 2007 groundwater quality data to NYS water quality standards.

Tables 1 and 2 summarize water quality results for Quarter 1.
Tables 3 and 4 summarize water quality results for Quarter 2.
Tables 5 and 6 summarize water quality results for Quarter 3.
Tables 7, 8 and 9 summarize water quality results for Quarter 4.

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

Concentrations for most parameters in all four quarters of 2007 were below available water quality standards at all wells, although there continues to be evidence of mild landfill leachate contamination. Contraventions of standards are described below.

Color – The color standard is 15 standard units. Color was only measured for the Baseline round of Quarter 4. The color standard was exceeded for 5 of 7 wells, ranging from 30 – 210 standard units.

Turbidity – Turbidity for all seven wells exceeded the NYS standard of 5 NTU for all four Quarters of 2007.

Quarter 1 results ranged from 10.6 to 68.9 NTU.
Quarter 2 results ranged from 8.1 to 54.3 NTU.
Quarter 3 results ranged from 9.48 to 40.9 NTU.
Quarter 4 results ranged from 5.07 to 48.1 NTU.

Based on separate monitoring conducted at the closed Pine Tree Landfill, and the active West Side Landfill, these exceedances appear to be related to natural groundwater conditions in this area.

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

In Quarter 1, six of seven wells exceeded the standard, ranging from 0.331 to 9.93 mg/l.
In Quarter 2, four of seven wells exceeded the standard, ranging from 0.501 to 11.7 mg/l.
In Quarter 3, four of seven wells exceeded the standard, ranging from 0.671 to 12.7 mg/l.
In Quarter 4, four of seven wells exceeded the standard, ranging from 0.712 to 7.05 mg/l.

The manganese standard was also frequently exceeded in past monitoring events.

Dissolved metals testing was conducted at three wells in Quarter 1. Dissolved manganese levels were below the detection limit of 0.01 mg/l at two wells (MW-1A and MW-1B), and was 0.137 mg/l at MW-6B. The elevated total manganese levels appears to be due at least in part to high turbidity levels.

Sodium – The NYS sodium standard is 20 mg/l. Contraventions in 2007 were as follows:

Quarter 1: MW-2B (50.9 mg/l) and MW-7A (112 mg/l).
Quarter 2: MW-2A (22.9 mg/l), MW-2B (40.8 mg/l) and MW-7A (104 mg/l).
Quarter 3: MW-2A (26.1 mg/l), MW-2B (52.3 mg/l) and MW-7A (95.8 mg/l).
Quarter 4: MW-2B (48.2 mg/l) and MW-7A (95.2 mg/l).

These results are consistent with past monitoring. Elevated sodium may be partially related to deicing activities on the road network within the landfill.

Volatile Organics (VOCs) – VOC testing was conducted during the Baseline round of Quarter 4.

Vinyl chloride was detected in two wells in Quarter 4: MW-2B (5.8 ug/l) and MW-7A (4 ug/l). The value for MW-7A was estimated because it was below the practical quantitation limit (PQL). Each of these results was above the drinking water MCL of 2 ug/l for vinyl chloride. Note that a quality control check for vinyl chloride did not meet acceptance criteria, as described in Appendix 2, and the results may be suspect.

Cis-1,2-dichloroethene was also detected in Wells MW-2B (9.2 ug/l) and MW-7A (6.1 ug/l). Each of these results are above the drinking water MCL of 5 ug/l for cis-1,2-dichloroethene.

There were no other contraventions of NYS water quality standards during the four monitoring rounds conducted in 2007.

4.2.2 Trends for Total Metals

The metals identified by B&L in 1997 as indicative of mild landfill leachate contamination are: aluminum, arsenic, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, potassium, sodium, vanadium, and zinc. All of these metals were analyzed under the Baseline round of Quarter 4. For the Routine events (Quarters 1, 2 and 3), the only metals analyzed were: calcium, iron, lead, magnesium, manganese, potassium, and sodium.

- Aluminum levels have continued to show a significant decrease through 2007, compared to 1997.
- Arsenic was below the detection limit at all wells in 2007.
- Calcium levels have continued to generally decrease through the 2007 monitoring.
- Chromium was below the detection limit at all wells in 2007.
- Cobalt was below the detection limit at all wells in 2007.
- Copper was below the detection limit at all wells in 2007.
- Iron levels continue to decrease through 2007.
- Lead levels are generally below the detection limit, and where detected, continue to show an overall decrease through 2007, compared to 1997.
- Magnesium levels continue to show an overall decrease over time, particularly for the wells with elevated levels in 1997.
- Manganese levels have continued to decrease through 2007.
- Potassium levels continue to show an overall decrease through 2007, compared to 1997.
- Sodium levels have continued to show a general decrease through 2007.
- Vanadium was below the detection limit at all wells in 2007.
- Zinc levels have generally decreased over time, compared to 1997 levels.

Quarter 3 - All analytical data conformed with standard approved methodologies and quality control. Quality control criteria were generally satisfied. A Category A case narrative is included with the laboratory report in Appendix A. We believe the Quarter 3 data are adequate to characterize groundwater quality downgradient of the Towslee landfill.

Quarter 4 – The Case Narrative for Quarter 4 results is included in Appendix B. Quality control criteria were generally satisfied. We believe the Quarter 4 data are adequate to characterize groundwater quality downgradient of the Towslee landfill.

Table 1
Contraventions of NYS Water Quality Standards for Field and Inorganic Parameters
Towslee Landfill - Quarter 1 2007

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. F)	--		48.7	49.3	48.6	48.4	48.7	49.5	48.7
Eh	(mV)	--		59	84	136	136	-50	82	77
pH	(Std Units)	6.5 - 8.5	a	8.29	8.47	7.31	7.14	7.82	8.04	7.04
Specific Conductance	(uS/cm)	--		204	156	364	701	143	220	893
Color	(Units)	15	a, b	--	--	--	--	--	--	--
Turbidity	(NTU)	5	a	**55.6**	**67.4**	**48.9**	**14.2**	**10.6**	**68.9**	**45.3**
Alkalinity, Total (As CaCO3)	(mg/l)	--		140	99	380	650	82	180	640
Hardness (As CaCO3)	(mg/l)	--		134	83.6	225	723	74	156	529
Total Dissolved Solids	(mg/l)	500	a	127	62	262	**825**	38	127	**753**
Chloride	(mg/l)	250	a, b	28.7	3.24	21.2	167	3.37	11.6	145
Sulfate	(mg/l)	250	a, b	8.79	7.09	<5	<5	<5	8.54	16.5
Bromide	(mg/l)	2	a	<0.2	<0.2	<0.2	0.95	1.2	<0.2	0.6
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	**10.2**	0.921	1.45	<0.5	<0.5
Nitrogen, Kjeldahl, Total	(mg/l)	--		2.2	<0.5	132	1.84	4.26	<0.5	1.47
Chemical Oxygen Demand	(mg/l)	--		<20	<20	<20	21	47	<20	27
Biochemical Oxygen Demand	(mg/l)	--		<4	<4	6	<4	<4	<4	<4
Organic Carbon, Total	(mg/l)	--		<3	<3	6.7	6.4	<3	<3	8.1
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.

Table 3
Contraventions of NYS Water Quality Standards for Field and Inorganic Parameters
Towslee Landfill - Quarter 2 2007

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. F)	--		44.1	45	45.9	46.9	42.1	45.3	46
Eh	(mV)	--		-107	-122	-62	-73	-94	-92	-64
pH	(Std Units)	6.5 - 8.5	a	7.93	8.24	7.14	7.35	7.64	7.73	7.12
Specific Conductance	(uS/cm)	--		221	141	450	682	898	249	765
Color	(Units)	15	a, b	--	--	--	--	--	--	--
Turbidity	(NTU)	5	a	**34.8**	**9.62**	**30.7**	**11**	**19.6**	**8.1**	**54.3**
Alkalinity, Total (As CaCO3)	(mg/l)	--		120	96	320	480	59	160	510
Hardness (As CaCO3)	(mg/l)	--		153	105	262	575	58.1	139	499
Total Dissolved Solids	(mg/l)	500	a	208	162	355	**823**	168	105	**865**
Chloride	(mg/l)	250	a, b	27	4.45	14.7	131	1.8	6.99	131
Sulfate	(mg/l)	250	a, b	14.2	6.31	<5	<5	<5	6.79	23.2
Bromide	(mg/l)	2	a	<0.2	<0.2	<0.2	<2	<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	**9.89**	0.844	<0.5	<0.5	<0.5
Nitrogen, Kjeldahl, Total	(mg/l)	--		<0.5	<0.5	12.5	1.62	1.47	<0.5	3.6
Chemical Oxygen Demand	(mg/l)	--		<20	<20	<20	<20	<20	<20	<20
Biochemical Oxygen Demand	(mg/l)	--		<4	<4	7	4	8	<4	<4
Organic Carbon, Total	(mg/l)	--		<3	<3	4.8	3	<3	<3	6
Phenolics, Total Recoverable	(mg/l)	0.001	a	**0.005**	**0.006**	**0.01**	**0.006**	<0.005	<0.005	**0.006**
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.

Table 5
Contraventions of NYS Water Quality Standards for Field and Inorganic Parameters
Towslee Landfill - Quarter 3 2007

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. F)	--		21.6	21.5	18.0	16.5	17.9	15.6	18.8
Eh	(mV)	--		-111	-143	-81	-77	-115	-105	-69
pH	(Std Units)	6.5 - 8.5	a	7.83	8.03	7.41	7.37	7.84	7.85	7.2
Specific Conductance	(uS/cm)	--		241	1241	395	500	1757	236	514
Color	(Units)	15	a, b	--	--	--	--	--	--	--
Turbidity	(NTU)	5	a	**24.3**	**10.2**	**15**	**9.48**	**16.4**	**9.48**	**40.9**
Alkalinity, Total (As CaCO3)	(mg/l)	--		120	100	420	600	170	150	530
Hardness (As CaCO3)	(mg/l)	--		148	104	275	716	150	138	481
Total Dissolved Solids	(mg/l)	500	a	250	130	395	**935**	210	220	**3000**
Chloride	(mg/l)	250	a, b	27	3.16	24.4	163	12	13.8	145
Sulfate	(mg/l)	250	a, b	48.6	28.8	<10	10	20.5	17.3	22.7
Bromide	(mg/l)	2	a	<0.2	<0.2	<2	<2	<0.2	<0.2	<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	**14.1**	1.31	<0.5	<0.5	<0.5
Nitrogen, Kjeldahl, Total	(mg/l)	--		5.66	<0.5	16.1	1.67	<0.5	<0.5	0.784
Chemical Oxygen Demand	(mg/l)	--		<20	<20	46	<20	<20	<20	<20
Biochemical Oxygen Demand	(mg/l)	--		<4	<4	7	<4	<4	<4	<4
Organic Carbon, Total	(mg/l)	--		<3	<3	7.3	5.7	<3	<3	7.2
Phenolics, Total Recoverable	(mg/l)	0.001	a	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.007**
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.

Table 7
Contraventions of NYS Water Quality Standards for Field and Inorganic Parameters
Towslee Landfill - Quarter 4 2007

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. F)	--		16.0	16.3	14.6	15.8	14.6	14.8	15.2
Eh	(mV)	--		-68	-80	-25	-34	-76	-57	-24
pH	(Std Units)	6.5 - 8.5	a	8.01	8.28	7.12	7.35	8.25	7.82	7.11
Specific Conductance	(uS/cm)	--		658	943	574	329	939	810	972
Color	(Units)	15	a, b	**30**	**30**	**210**	15	**115**	6	**85**
Turbidity	(NTU)	5	a	**28.1**	**22.8**	**5.07**	**37**	**13.7**	**12.5**	**48.1**
Alkalinity, Total (As CaCO3)	(mg/l)	--		130	100	290	640	130	140	540
Hardness (As CaCO3)	(mg/l)	--		146	90.8	165	652	86.2	124	459
Total Dissolved Solids	(mg/l)	500	a	204	104	284	**868**	144	208	**752**
Chloride	(mg/l)	250	a, b	27.9	6.44	10.6	161	5.73	25.9	141
Sulfate	(mg/l)	250	a, b	11.2	5.26	9.93	<5	<5	12.7	17.8
Bromide	(mg/l)	2	a	<0.2	<0.2	<2	0.92	<2	<0.2	<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	**13.5**	1.22	<0.5	<0.5	<0.5
Nitrogen, Kjeldahl, Total	(mg/l)	--		<0.5	<0.5	12.6	1.53	<0.5	<0.5	0.591
Chemical Oxygen Demand	(mg/l)	--		<20	<20	22	<20	<20	<20	<20
Biochemical Oxygen Demand	(mg/l)	--		<4	<4	<4	<4	<4	<4	<4
Organic Carbon, Total	(mg/l)	--		<3	<3	6.3	17.2	3.7	<3	11.5
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.

Table 9
Contraventions of NYS Water Quality Standards for Organics
Towslee Landfill - Quarter 4 2007

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	**5.8**	<5	<5	**4 J**
Chloroethane	5	b	<5	<5	<5	4 J	<5	<5	<5
Acetone	50	b	<10	<10	<10	<10	<10	<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	**9.2**	<5	<5	**6.1**
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	<5	<5	<5
Chlorobenzene	5	b	<5	<5	4 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 those 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 3 2007

Cortland County Towslee Landfill

ROUTINE

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) 649-2533
Rochester (585) 436-9070 * New Jersey (201) 343-5353 * South Carolina (864) 878-3280

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

August 24, 2007

RE: Towslee Landfill

Order No.: U0707386

Dear Mr. Reidy:

Upstate Laboratories, Inc. received 8 samples on 7/31/07 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

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) 649-2533
Rochester (866) 437-0255 * New Jersey (908) 892-1807

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

September 14, 2007

RE: Towslee Landfill, Cortlandville, New York, Samples Collected July 31, 2007
Case Narrative for ULI SDG Number COR05, Workorder #U0707386

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	R27146	Criteria were satisfied.

Wet Chemistry

Test	Batch	Anomaly
BOD	R27141	Criteria were satisfied.
Nitrate-Nitrogen	R27251	Criteria were satisfied.
Alkalinity, Total	R27292	Criteria were satisfied.
Chloride	R27290	Criteria were satisfied.
COD	R27120	Criteria were satisfied.
	R27154	Criteria were satisfied.
TKN	R27426	TKN was detected above the PQL in CCB13. The associated sample locations were not bracketed by CCB13, no corrective action was taken. All other criteria were satisfied.

The total number of pages in this Data Package is : 3

Wet Chemistry (continued)

Test	Batch	Anomaly
Ammonia-Nitrogen	R27434	Criteria were satisfied.
Sulfate	R27135	Criteria were satisfied.
TDS	R27110	Criteria were satisfied.
TOC	R27412	Criteria were satisfied.
Phenols	R27279	Criteria were satisfied.
Bromide	R27313	Criteria were satisfied.
	R27455	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

Anthony J. Scala
Director

COR05A.doc

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	353.1	(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	351.3	(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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0707386	**Collection Date:**	7/31/2007 9:55:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	241	1.0		umhos/cm		7/31/2007 9:55:00 AM
Eh	-111	-300		mV		7/31/2007 9:55:00 AM
pH	7.83	6.5-8.5		SU		7/31/2007 9:55:00 AM
Temperature	21.6			degC		7/31/2007 9:55:00 AM
Turbidity	24.3	5.0		NTU		7/31/2007 9:55:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: EA
Cadmium	ND	5.00		µg/L	1	8/6/2007 12:27:31 PM
Calcium	43500	1000		µg/L	1	8/6/2007 12:27:31 PM
Iron	1210	60.0		µg/L	1	8/6/2007 12:27:31 PM
Lead	ND	3.00		µg/L	1	8/6/2007 12:27:31 PM
Magnesium	9670	1000		µg/L	1	8/6/2007 12:27:31 PM
Manganese	206	10.0		µg/L	1	8/6/2007 12:27:31 PM
Potassium	1590	1000		µg/L	1	8/6/2007 12:27:31 PM
Sodium	13000	1000		µg/L	1	8/6/2007 12:27:31 PM
Hardness, Total(CaCO3)	148000	7000		µg/L	1	8/6/2007 12:27:31 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: BY
Bromide	ND	0.20		mg/L	1	8/4/2007
RESIDUE, DISSOLVED (TDS)		E160.1				Analyst: DEY
Residue, Dissolved (TDS)	250	25		mg/L	1	8/1/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		E310.2				Analyst: SAR
Alkalinity, Total (As CaCO3)	120	10		mg/LCaCO3	1	8/7/2007
CHLORIDE WATERS BY LACHAT		E325.2				Analyst: SAR
Chloride	27.0	1.00		mg/L	1	8/7/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		E350.1				Analyst: BY
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	8/17/2007
TKN FOR WATERS		E351.3				Analyst: BY
Nitrogen, Kjeldahl, Total	5.66	5.00		mg/L	10	8/16/2007
NITROGEN, NITRATE (AS N)		E353.2				Analyst: BY
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	7/31/2007 5:28:00 PM
SULFATE		E375.4				Analyst: LMK
Sulfate	48.6	20.0		mg/L	4	8/2/2007 10:30:00 AM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		E405.1				Analyst: DEY
Biochemical Oxygen Demand	ND	4		mg/L	1	8/1/2007 8:00:00 AM

Approved By: PE **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0707386	**Collection Date:**	7/31/2007 9:55:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NMS**
Chemical Oxygen Demand	ND	20		mg/L	1	8/2/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **BS**
Organic Carbon, Total	ND	3.0		mg/L	1	8/16/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		(E420.4)		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	8/9/2007

Approved By: PE **Date:** 8-24-07

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analytc 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.

Date: *24-Aug-07*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-1B
Lab Order: U0707386
Collection Date: 7/31/2007 10:05:00 AM
Project: Towslee Landfill
Lab ID: U0707386-002
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	1,241	1.0		umhos/cm		7/31/2007 10:05:00 AM
Eh	-143	-300		mV		7/31/2007 10:05:00 AM
pH	8.03	6.5-8.5		SU		7/31/2007 10:05:00 AM
Temperature	21.5			degC		7/31/2007 10:05:00 AM
Turbidity	10 2	5.0		NTU		7/31/2007 10:05:00 AM
ICP METALS, TOTAL ASP		**E200.7**		**(E200.7)**		Analyst: **EA**
Cadmium	ND	5.00		µg/L	1	8/6/2007 12:30:59 PM
Calcium	29900	1000		µg/L	1	8/6/2007 12:30:59 PM
Iron	465	60.0		µg/L	1	8/6/2007 12:30:59 PM
Lead	ND	3.00		µg/L	1	8/6/2007 12:30:59 PM
Magnesium	7120	1000		µg/L	1	8/6/2007 12:30:59 PM
Manganese	190	10.0		µg/L	1	8/6/2007 12:30:59 PM
Potassium	ND	1000		µg/L	1	8/6/2007 12:30:59 PM
Sodium	7100	1000		µg/L	1	8/6/2007 12:30:59 PM
Hardness, Total(CaCO3)	104000	7000		µg/L	1	8/6/2007 12:30:59 PM
INORGANIC ANIONS BY IC FOR WATERS		**E300.1**				Analyst: **BY**
Bromide	ND	0.20		mg/L	1	8/4/2007
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	130	25		mg/L	1	8/1/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **SAR**
Alkalinity, Total (As CaCO3)	100	10		mg/LCaCO3	1	8/7/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **SAR**
Chloride	3.16	1.00		mg/L	1	8/7/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	8/16/2007
TKN FOR WATERS		**E351.3**				Analyst: **BY**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	8/16/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	7/31/2007 5:28:00 PM
SULFATE		**E375.4**				Analyst: **LMK**
Sulfate	28.8	20.0		mg/L	4	8/2/2007 10:30:00 AM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	8/1/2007 8:00:00 AM

Approved By: DF **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0707386	**Collection Date:**	7/31/2007 10:05:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NMS**
Chemical Oxygen Demand	ND	20		mg/L	1	8/2/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **BS**
Organic Carbon, Total	ND	3.0		mg/L	1	8/16/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		(E420.4)		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	8/9/2007

Approved By: DF **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0707386	**Collection Date:**	7/31/2007 10:25:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	395	1.0		umhos/cm		7/31/2007 10:25:00 AM
Eh	-81	-300		mV		7/31/2007 10:25:00 AM
pH	7.41	6.5-8.5		SU		7/31/2007 10:25:00 AM
Temperature	18			degC		7/31/2007 10:25:00 AM
Turbidity	15	5.0		NTU		7/31/2007 10:25:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: EA
Cadmium	ND	5.00		µg/L	1	8/6/2007 12:34:49 PM
Calcium	80400	1000		µg/L	1	8/6/2007 12:34:49 PM
Iron	7670	60.0		µg/L	1	8/6/2007 12:34:49 PM
Lead	ND	3.00		µg/L	1	8/6/2007 12:34:49 PM
Magnesium	18000	1000		µg/L	1	8/6/2007 12:34:49 PM
Manganese	12700	10.0		µg/L	1	8/6/2007 12:34:49 PM
Potassium	13300	1000		µg/L	1	8/6/2007 12:34:49 PM
Sodium	26100	1000		µg/L	1	8/6/2007 12:34:49 PM
Hardness, Total(CaCO3)	275000	7000		µg/L	1	8/6/2007 12:34:49 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: BY
Bromide	ND	2.0		mg/L	10	8/4/2007
NOTES: The reporting limits were raised due to matrix interference.						
RESIDUE, DISSOLVED (TDS)		E160.1				Analyst: DEY
Residue, Dissolved (TDS)	395	25		mg/L	1	8/1/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		E310.2				Analyst: SAR
Alkalinity, Total (As CaCO3)	420	10		mg/LCaCO3	1	8/7/2007
CHLORIDE WATERS BY LACHAT		E325.2				Analyst: SAR
Chloride	24.4	1.00		mg/L	1	8/7/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		E350.1				Analyst: BY
Nitrogen, Ammonia (As NH3)	14.1	0.500		mg/L	1	8/17/2007
TKN FOR WATERS		E351.3				Analyst: BY
Nitrogen, Kjeldahl, Total	16.1	0.500		mg/L	1	8/16/2007
NITROGEN, NITRATE (AS N)		E353.2				Analyst: BY
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	7/31/2007 5:28:00 PM
SULFATE		E375.4				Analyst: LMK
Sulfate	ND	10.0		mg/L	2	8/2/2007 10:30:00 AM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		E405.1				Analyst: DEY

Approved By: PE **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0707386	**Collection Date:**	7/31/2007 10:25:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	7	4		mg/L	1	8/1/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NMS**
Chemical Oxygen Demand	46	20		mg/L	1	8/2/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **BS**
Organic Carbon, Total	7.3	3.0		mg/L	1	8/16/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	8/9/2007

Approved By: PF **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0707386	**Collection Date:**	7/31/2007 10:35:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	500	1.0		umhos/cm		7/31/2007 10:35:00 AM
Eh	-77	-300		mV		7/31/2007 10:35:00 AM
pH	7.37	6.5-8.5		SU		7/31/2007 10:35:00 AM
Temperature	16.5			degC		7/31/2007 10:35:00 AM
Turbidity	9.48	5.0		NTU		7/31/2007 10:35:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: EA
Cadmium	ND	5.00		µg/L	1	8/6/2007 12:38:35 PM
Calcium	214000	1000		µg/L	1	8/6/2007 12:38:35 PM
Iron	468	60.0		µg/L	1	8/6/2007 12:38:35 PM
Lead	ND	3.00		µg/L	1	8/6/2007 12:38:35 PM
Magnesium	44100	1000		µg/L	1	8/6/2007 12:38:35 PM
Manganese	6600	10.0		µg/L	1	8/6/2007 12:38:35 PM
Potassium	2440	1000		µg/L	1	8/6/2007 12:38:35 PM
Sodium	52300	1000		µg/L	1	8/6/2007 12:38:35 PM
Hardness, Total(CaCO3)	716000	7000		µg/L	1	8/6/2007 12:38:35 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: BY
Bromide	ND	2.0		mg/L	10	8/14/2007
NOTES: The reporting limits were raised due to matrix interference.						
RESIDUE, DISSOLVED (TDS)		E160.1				Analyst: DEY
Residue, Dissolved (TDS)	935	25		mg/L	1	8/1/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		E310.2				Analyst: SAR
Alkalinity, Total (As CaCO3)	600	100		mg/LCaCO3	10	8/7/2007
CHLORIDE WATERS BY LACHAT		E325.2				Analyst: SAR
Chloride	163	1.00		mg/L	1	8/7/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		E350.1				Analyst: BY
Nitrogen, Ammonia (As NH3)	1.31	0.500		mg/L	1	8/17/2007
TKN FOR WATERS		E351.3				Analyst: BY
Nitrogen, Kjeldahl, Total	1.67	0.500		mg/L	1	8/16/2007
NITROGEN, NITRATE (AS N)		E353.2				Analyst: BY
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	7/31/2007 5:28:00 PM
SULFATE		E375.4				Analyst: LMK
Sulfate	ND	10.0		mg/L	2	8/2/2007 10:30:00 AM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		E405.1				Analyst: DEY

Approved By: PE Date: 8-24-07

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

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0707386	**Collection Date:**	7/31/2007 10:35:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		E405.1				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	8/1/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		E410.4				Analyst: **NMS**
Chemical Oxygen Demand	ND	20		mg/L	1	8/7/2007
TOTAL ORGANIC CARBON (TOC)		E415.1				Analyst: **BS**
Organic Carbon, Total	5.7	3.0		mg/L	1	8/16/2007
PHENOLICS, TOTAL REC. FOR WATERS		E420.4		(E420.4)		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	8/9/2007

Approved By: PE **Date:** 8-24-07

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 Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits	

Upstate Laboratories, Inc.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0707386	**Collection Date:**	7/31/2007 9:40:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1,757	1.0		umhos/cm		7/31/2007 9:40:00 AM
Eh	-115	-300		mV		7/31/2007 9:40:00 AM
pH	7.84	6.5-8.5		SU		7/31/2007 9:40:00 AM
Temperature	17.9			degC		7/31/2007 9:40:00 AM
Turbidity	16.4	5.0		NTU		7/31/2007 9:40:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: EA
Cadmium	ND	5.00		µg/L	1	8/6/2007 12:42:04 PM
Calcium	45100	1000		µg/L	1	8/6/2007 12:42:04 PM
Iron	231	60.0		µg/L	1	8/6/2007 12:42:04 PM
Lead	ND	3.00		µg/L	1	8/6/2007 12:42:04 PM
Magnesium	9150	1000		µg/L	1	8/6/2007 12:42:04 PM
Manganese	116	10.0		µg/L	1	8/6/2007 12:42:04 PM
Potassium	ND	1000		µg/L	1	8/6/2007 12:42:04 PM
Sodium	5100	1000		µg/L	1	8/6/2007 12:42:04 PM
Hardness, Total(CaCO3)	150000	7000		µg/L	1	8/6/2007 12:42:04 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: BY
Bromide	ND	0.20		mg/L	1	8/4/2007
RESIDUE, DISSOLVED (TDS)		E160.1				Analyst: DEY
Residue, Dissolved (TDS)	210	25		mg/L	1	8/1/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		E310.2				Analyst: SAR
Alkalinity, Total (As CaCO3)	170	10		mg/LCaCO3	1	8/7/2007
CHLORIDE WATERS BY LACHAT		E325.2				Analyst: SAR
Chloride	12.0	1.00		mg/L	1	8/7/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		E350.1				Analyst: BY
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	8/16/2007
TKN FOR WATERS		E351.3				Analyst: BY
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	8/16/2007
NITROGEN, NITRATE (AS N)		E353.2				Analyst: BY
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	7/31/2007 5:28:00 PM
SULFATE		E375.4				Analyst: LMK
Sulfate	20.5	10.0		mg/L	2	8/2/2007 10:30:00 AM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		E405.1				Analyst: DEY
Biochemical Oxygen Demand	ND	4		mg/L	1	8/1/2007 8:00:00 AM

Approved By: DF **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0707386	**Collection Date:**	7/31/2007 9:40:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NMS**
Chemical Oxygen Demand	ND	20		mg/L	1	8/7/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **BS**
Organic Carbon, Total	ND	3.0		mg/L	1	8/16/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	8/9/2007

Approved By: PF **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	1B Dupe
Lab Order:	U0707386	**Collection Date:**	7/31/2007 10:05:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL ASP		**E200.7**		**(E200.7)**		Analyst: **EA**
Cadmium	ND	5.00		µg/L	1	8/6/2007 12:52:28 PM
Calcium	30700	1000		µg/L	1	8/6/2007 12:52:28 PM
Iron	367	60.0		µg/L	1	8/6/2007 12:52:28 PM
Lead	ND	3.00		µg/L	1	8/6/2007 12:52:28 PM
Magnesium	7390	1000		µg/L	1	8/6/2007 12:52:28 PM
Manganese	198	10.0		µg/L	1	8/6/2007 12:52:28 PM
Potassium	ND	1000		µg/L	1	8/6/2007 12:52:28 PM
Sodium	7420	1000		µg/L	1	8/6/2007 12:52:28 PM
Hardness, Total(CaCO3)	107000	7000		µg/L	1	8/6/2007 12:52:28 PM
INORGANIC ANIONS BY IC FOR WATERS		**E300.1**				Analyst: **BY**
Bromide	ND	0.20		mg/L	1	8/4/2007
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	145	25		mg/L	1	8/1/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **SAR**
Alkalinity, Total (As CaCO3)	100	10		mg/LCaCO3	1	8/7/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **SAR**
Chloride	4 66	1.00		mg/L	1	8/7/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	8/16/2007
TKN FOR WATERS		**E351.3**				Analyst: **BY**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	8/16/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	7/31/2007 5:28:00 PM
SULFATE		**E375.4**				Analyst: **LMK**
Sulfate	24.3	10.0		mg/L	2	8/2/2007 10:30:00 AM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	8/1/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NMS**
Chemical Oxygen Demand	ND	20		mg/L	1	8/7/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **BS**
Organic Carbon, Total	ND	3.0		mg/L	1	8/16/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	8/9/2007

Approved By: PE **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0707386	**Collection Date:**	7/31/2007 10:45:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	236	1.0		umhos/cm		7/31/2007 10:45:00 AM
Eh	-105	-300		mV		7/31/2007 10:45:00 AM
pH	7.85	6.5-8.5		SU		7/31/2007 10:45:00 AM
Temperature	15.6			degC		7/31/2007 10:45:00 AM
Turbidity	9.48	5.0		NTU		7/31/2007 10:45:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: EA
Cadmium	ND	5.00		µg/L	1	8/6/2007 12:55:59 PM
Calcium	40200	1000		µg/L	1	8/6/2007 12:55:59 PM
Iron	163	60.0		µg/L	1	8/6/2007 12:55:59 PM
Lead	ND	3.00		µg/L	1	8/6/2007 12:55:59 PM
Magnesium	9120	1000		µg/L	1	8/6/2007 12:55:59 PM
Manganese	671	10.0		µg/L	1	8/6/2007 12:55:59 PM
Potassium	ND	1000		µg/L	1	8/6/2007 12:55:59 PM
Sodium	15000	1000		µg/L	1	8/6/2007 12:55:59 PM
Hardness, Total(CaCO3)	138000	7000		µg/L	1	8/6/2007 12:55:59 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: BY
Bromide	ND	0.20		mg/L	1	8/4/2007
RESIDUE, DISSOLVED (TDS)		E160.1				Analyst: DEY
Residue, Dissolved (TDS)	220	25		mg/L	1	8/1/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		E310.2				Analyst: SAR
Alkalinity, Total (As CaCO3)	150	10		mg/LCaCO3	1	8/7/2007
CHLORIDE WATERS BY LACHAT		E325.2				Analyst: SAR
Chloride	13.8	1.00		mg/L	1	8/7/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		E350.1				Analyst: BY
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	8/16/2007
TKN FOR WATERS		E351.3				Analyst: BY
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	8/16/2007
NITROGEN, NITRATE (AS N)		E353.2				Analyst: BY
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	7/31/2007 5:28:00 PM
SULFATE		E375.4				Analyst: LMK
Sulfate	17.3	5.00		mg/L	1	8/2/2007 10:30:00 AM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		E405.1				Analyst: DEY
Biochemical Oxygen Demand	ND	4		mg/L	1	8/1/2007 8:00:00 AM

Approved By: DF **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0707386	**Collection Date:**	7/31/2007 10:45:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NMS**
Chemical Oxygen Demand	ND	20		mg/L	1	8/7/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **BS**
Organic Carbon, Total	ND	3.0		mg/L	1	8/16/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	8/9/2007

Approved By: PE **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-7A
Lab Order: U0707386
Collection Date: 7/31/2007 10:15:00 AM
Project: Towslee Landfill
Lab ID: U0707386-009
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	514	1.0		umhos/cm		7/31/2007 10:15:00 AM
Eh	-69	-300		mV		7/31/2007 10:15:00 AM
pH	7.2	6.5-8.5		SU		7/31/2007 10:15:00 AM
Temperature	18.8			degC		7/31/2007 10:15:00 AM
Turbidity	40.9	5.0		NTU		7/31/2007 10:15:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: EA
Cadmium	ND	5.00		µg/L	1	8/6/2007 12:59:33 PM
Calcium	135000	1000		µg/L	1	8/6/2007 12:59:33 PM
Iron	9970	60.0		µg/L	1	8/6/2007 12:59:33 PM
Lead	6.56	3.00		µg/L	1	8/6/2007 12:59:33 PM
Magnesium	35000	1000		µg/L	1	8/6/2007 12:59:33 PM
Manganese	3980	10.0		µg/L	1	8/6/2007 12:59:33 PM
Potassium	2870	1000		µg/L	1	8/6/2007 12:59:33 PM
Sodium	95800	1000		µg/L	1	8/6/2007 12:59:33 PM
Hardness, Total(CaCO3)	481000	7000		µg/L	1	8/6/2007 12:59:33 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: BY
Bromide	ND	2.0		mg/L	10	8/4/2007
NOTES: The reporting limits were raised due to matrix interference.						
RESIDUE, DISSOLVED (TDS)		E160.1				Analyst: DEY
Residue, Dissolved (TDS)	3000	25		mg/L	1	8/1/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		E310.2				Analyst: SAR
Alkalinity, Total (As CaCO3)	530	100		mg/LCaCO3	10	8/7/2007
CHLORIDE WATERS BY LACHAT		E325.2				Analyst: SAR
Chloride	145	1.00		mg/L	1	8/7/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		E350.1				Analyst: BY
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	8/17/2007
TKN FOR WATERS		E351.3				Analyst: BY
Nitrogen, Kjeldahl, Total	0.784	0.500		mg/L	1	8/16/2007
NITROGEN, NITRATE (AS N)		E353.2				Analyst: BY
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	7/31/2007 5:28:00 PM
SULFATE		E375.4				Analyst: LMK
Sulfate	22.7	10.0		mg/L	2	8/2/2007 10:30:00 AM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		E405.1				Analyst: DEY

Approved By: PF **Date:** 8-24-07

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.

Date: *24-Aug-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0707386	**Collection Date:**	7/31/2007 10:15:00 AM
Project:	Towslee Landfill		
Lab ID:	U0707386-009	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	8/1/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NMS**
Chemical Oxygen Demand	ND	20		mg/L	1	8/7/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **BS**
Organic Carbon, Total	7.2	3.0		mg/L	1	8/16/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		(E420.4)		Analyst: **MB**
Phenolics, Total Recoverable	0.007	0.005		mg/L	1	8/9/2007

Approved By: PF **Date:** 8-24-07

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**

ULI ID No.: (enter by lab)

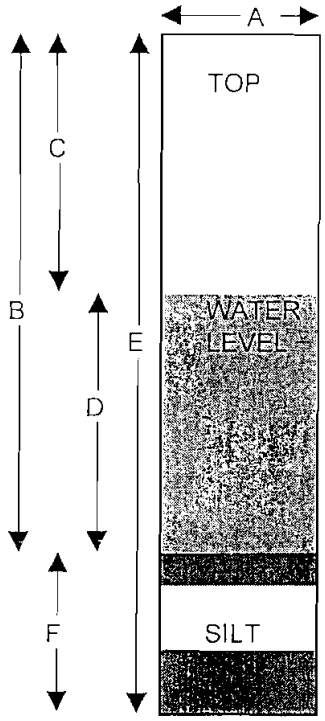
Condition of Well: Good

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	4.37	feet
D.	Length of Water Column (calculated)	29.33	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.69	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	14.08	gallons
	Actual Volume Evacuated	15	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	7/30/2007	7/31/2007
Time	11:00 AM	9:55 AM
EH	-137	-111
Temperature	18.3 c	21.6 c
pH	8.48	7.83
Specific Cond.	236	241
Turbidity	28.5	24.3
Dissolved Oxygen	N/A	N/A
Appearance	sl. Cloudy	sl. Cloudy

% Recharge:

Initial Depth to Water 4.37 feet

Recharge Depth to Water 4.43 feet

2nd water column height 99.7954 %

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: 76 f sunny 74 f sunny

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-1B**

ULI ID No. (enter by lab)

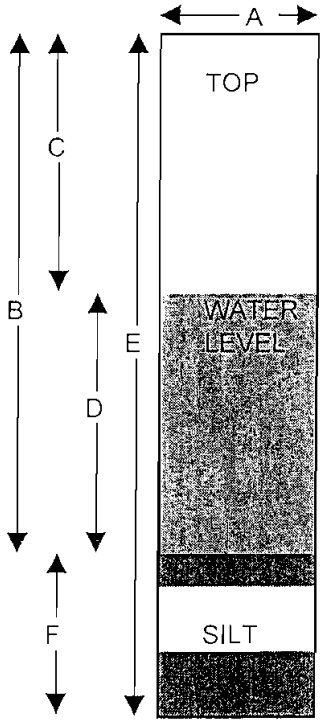
Condition of Well: Good

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	4.73	feet
D.	Length of Water Column (calculated)	50.77	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	8.12	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	24.37	gallons
	Actual Volume Evacuated	25	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	7/30/2007	7/31/2007
Time	11:10 AM	10:05 AM
EH	-190	-143
Temperature	13.4 c	21.5 c
pH	7.74	8.03
Specific Cond.	1351	1241
Turbidity	27.1	10.2
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	clear

% Recharge:

Initial Depth to Water 4.73 feet

Recharge Depth to Water 4.78 feet

2nd water column height 99.9015 %

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: 76 f, sunny 74 f sunny

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**

ULI ID No: (enter by lab)

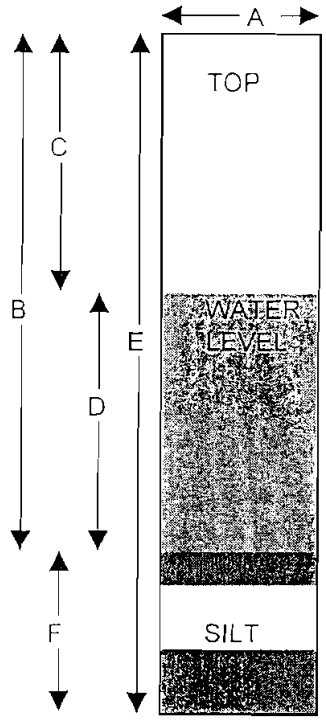
Condition of Well: Good

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	6.86	feet
D.	Length of Water Column (calculated)	5.94	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	0.95	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	2.85	gallons
	Actual Volume Evacuated	dry @ 1.5	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	7/30/2007	7/31/2007
Time	12:00 PM	10:25 AM
EH	-97	-81
Temperature	21.5 c	18 c
pH	7.75	7.41
Specific Cond.	354	395
Turbidity	44.6	15
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	sl. Cloudy

% Recharge:

Initial Depth to Water 6.86 feet

Recharge Depth to Water 6.91 feet

2nd water column height 99.27 %

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: 76 f, sun 74 f, sun

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**

ULI ID No. (enter by lab)

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

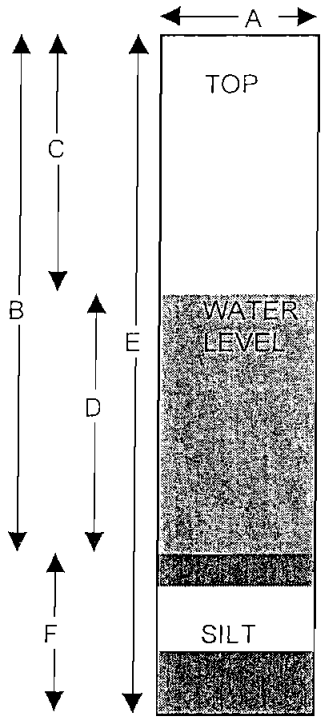
Condition of Well: Good

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	7.62	feet
D.	Length of Water Column (calculated)	25.88	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.14	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	12.42	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	7/30/2007	7/31/2007
Time	12:10 PM	10:35 AM
EH	-109	-77
Temperature	18.3 c	16.5 c
pH	7.95	7.37
Specific Cond.	387	500
Turbidity	13.3	9.48
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	7.62	feet
Recharge Depth to Water	7.65	feet
2nd water column height	99.8841	%
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: 76 f, sun 74 f, sun

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-3A**

ULI ID No. (enter by lab)

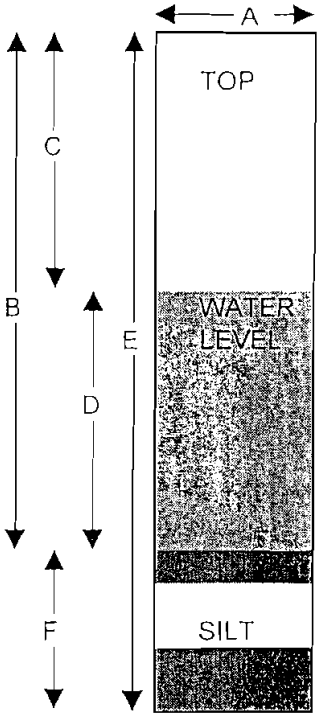
Condition of Well: Good

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	8.89	feet
D.	Length of Water Column (calculated)	13.51	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	2.16	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	6.48	gallons
	Actual Volume Evacuated	7	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	7/30/2007	7/31/2007
Time	10:45 AM	9:40 AM
EH	-160	-115
Temperature	14.2 c	17.9 c
pH	8.9	7.84
Specific Cond.	1652	1757
Turbidity	7.84	16.4
Dissolved Oxygen	N/A	N/A
Appearance	clear	sl. Cloudy

% Recharge:

Initial Depth to Water 8.89 feet

Recharge Depth to Water 8.96 feet

2nd water column height 99.4819 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

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

Weather: 75 f, sun 75 f, sun

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**

ULI ID No. (enter by lab)

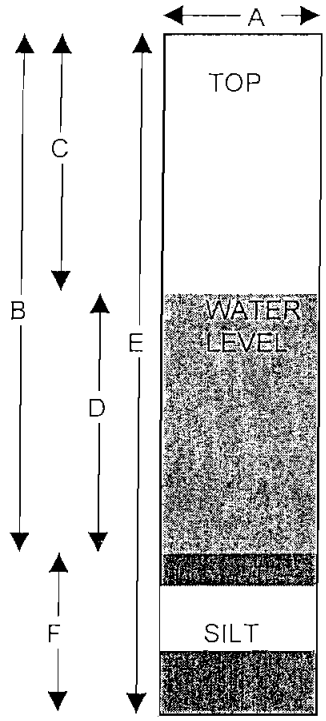
Condition of Well: Good

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	14.76	feet
D.	Length of Water Column (calculated)	25.99	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.16	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	12.48	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	7/30/2007	7/31/2007
Time	12:30 PM	10:45 AM
EH	-120	-105
Temperature	12.8 c	15.6 c
pH	8.15	7.85
Specific Cond.	1792	236
Turbidity	3.45	9.48
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 14.76 feet

Recharge Depth to Water 14.82 feet

2nd water column height 99.7691 %

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: 76 f, sun 74 f, sun

Observations: MSD

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-7A**

ULI ID No. (enter by lab)

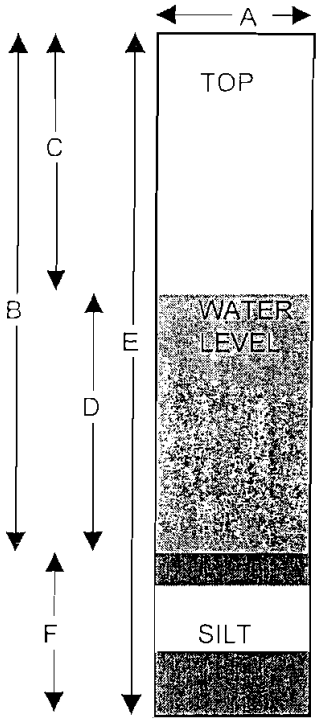
Condition of Well: Good

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	3.9	feet
D.	Length of Water Column (calculated)	18.30	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	2.93	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	8.78	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	7/30/2007	7/31/2007
Time	11:40 AM	10:15 AM
EH	-118	-69
Temperature	15.5 c	18.8 c
pH	8.13	7.2
Specific Cond.	434	514
Turbidity	27.1	40.9
Dissolved Oxygen	N/A	N/A
Appearance	cloudy	cloudy

% Recharge:

Initial Depth to Water 3.9 feet

Recharge Depth to Water 3.95 feet

2nd water column height 99.7268 %

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: 76 f, sun 76 f, sun

Observations:

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	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 U0707386	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks 93 REGS ASP-A
MW-1A	7/31/07	9:55a	WATER	GRAB	-1	6	X	X	X	X	X	X	X				
MW-1B	7/31/07	10:05a	WATER	GRAB	-2	6	X	X	X	X	X	X	X				
MW-2A	7/31/07	10:25a	WATER	GRAB	-3	6	X	X	X	X	X	X	X				
MW-2B	7/31/07	10:35a	WATER	GRAB	-4	6	X	X	X	X	X	X	X				
MW-3A	7/31/07	9:40a	WATER	GRAB	-5	6	X	X	X	X	X	X	X				
MW-6B MSD	7/31/07	10:45a	WATER	GRAB	-8	6	X	X	X	X	X	X	X				
MW-7A	7/31/07	10:15a	WATER	GRAB	-9	6	X	X	X	X	X	X	X				
1B DUPE	7/31/07	10:05a	WATER	GRAB	-7	6		X	X	X	X	X	X				

	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	Rec'd for Lab by:
Justin Gibson	7/31/07	4:00p	[signature]

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Appendix B

Analytical Laboratory Results and Internal Quality Control Summary

Quarter 4 2007

Cortland County Towslee Landfill

QUARTER 4 2007 TOWSLEE LANDFILL

CASE NARRATIVE

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	U0710280-001	8260	-	-	-	-	-
MW-1B	U0710280-002	8260	-	-	-	-	-
MW-2A	U0710280-003	8260	-	-	-	-	-
MW-2B	U0710280-004	8260	-	-	-	-	-
MW-3A	U0710280-005	8260	-	-	-	-	-
MW-6B	U0710280-006	8260	-	-	-	-	-
MW-6B MS	U0710280-006MS	8260	-	-	-	-	-
MW-6B MSD	U0710280-006MSD	8260	-	-	-	-	-
MW-7A	U0710280-007	8260	-	-	-	-	-
MW-1B DUPE	U0710280-008	8260	-	-	-	-	-
ULI Trip Blank (20071001A)	U0710280-009	8260	-	-	-	-	-
Holding Blank	U0710280-010	8260	-	-	-	-	-
MW-1A	U0710280-011	-	-	-	-	Baseline	Baseline
MW-1B	U0710280-012	-	-	-	-	Baseline	Baseline
MW-2A	U0710280-013	-	-	-	-	Baseline	Baseline
MW-2B	U0710280-014	-	-	-	-	Baseline	Baseline
MW-3A	U0710280-015	-	-	-	-	Baseline	Baseline
MW-6B	U0710280-016	-	-	-	-	Baseline	Baseline
MW-6B MS	U0710280-016MS	-	-	-	-	Baseline	Baseline
MW-6B DUPE	U0710280-016DP	-	-	-	-	Baseline	Baseline
MW-7A	U0710280-017	-	-	-	-	Baseline	Baseline
MW-1B DUPE	U0710280-018	-	-	-	-	Baseline	Baseline

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 October 9 and 10, 2007, and were then delivered to Upstate Laboratories, Inc., Syracuse, New York. The Chain of Custody documentation is 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	(1)
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)
Total Alkalinity	310.2	(1)
Ammonia-Nitrogen	350.1	(1)
BOD	405.1	(1)
Chloride	325.2	(1)
COD	410.4	(1)

The total number of pages in this Data Package is: 1209

Color	110.2	(1)
Cyanide	335.2	(1)
Hexavalent Chromium	SM3500	(1)
Nitrate-Nitrogen	353.1	(1)
Phenols	420.4	(1)
Sulfate	375.4	(1)
TDS	160.1	(1)
TSS	160.2	(1)
TKN	351.3	(1)
TOC	415.1	(1)
Bromide	300.0	(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 : The CC %D values for Vinyl Chloride, 1,1,1-Trichloroethane and Tetrachloroethene were outside QC acceptance limits for CC, lab file C19326.D. The CC %D value for Vinyl Acetate was outside QC acceptance limits for CC, lab files C19343.D and C19361.D. 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 CCV2 recovery for Silver was greater than QC acceptance limits for analytical sequence R29132. The associated sample locations were non-detect for Silver; therefore, no corrective action was taken. All other criteria were satisfied.

Method Blanks : Criteria were satisfied.

Ref Samples : Criteria were satisfied.

Matrix Spikes : Criteria were satisfied.

Duplicates	: The Duplicate %RPD value for Zinc was outside QC acceptance limits for the Duplicate analysis performed on sample location MW-6B. The concentration of Zinc in sample location MW-6B was less than 5X the CRDL; therefore the data was considered valid. A control limit of 20% for RPD is used for original and duplicate sample values greater than or equal to 5X the CRDL. All other criteria were satisfied.

Wet Chemistry Data

Holding Time	: Criteria were satisfied.
Calibration	: The CCV1 recovery for TOC was slightly below QC acceptance limits for analytical sequence R28902. All other criteria were satisfied.
Method Blanks	: Criteria were satisfied.
Ref. Samples	: Criteria were satisfied.
Matrix Spikes	: The MS recovery for COD was outside QC acceptance limits for the MS performed on sample location MW-6B. The MS recovery for Total Phenol was greater than QC acceptance limits for the MS performed on sample location MW-6B. All other criteria were satisfied.
Duplicates	: Criteria were satisfied.

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.

Approved Anthony J. Scala

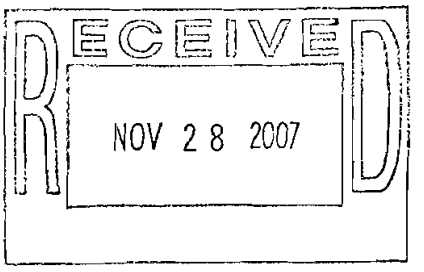
Anthony J. Scala, Director

QCSDGCOR07.doc

BASELINE

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) 649-2533
Rochester (866) 437-0255 * New Jersey (908) 892-1807



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

November 8, 2007

RE: Towslee Landfill

Order No.: U0710280

Dear Mr. Reidy:

Upstate Laboratories, Inc. received 18 samples on 10/10/07 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., report, invoice

Upstate Laboratories, Inc.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0710280	**Collection Date:**	10/9/2007 10:24:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Vinyl chloride	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Bromomethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Chloroethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Acetone	ND	10		µg/L	1	10/16/2007 7:01:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Iodomethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Carbon disulfide	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Methylene chloride	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Acrylonitrile	ND	100		µg/L	1	10/16/2007 7:01:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Vinyl acetate	ND	50		µg/L	1	10/16/2007 7:01:00 AM
2-Butanone	ND	10		µg/L	1	10/16/2007 7:01:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Chloroform	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Bromochloromethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Benzene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Trichloroethene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Dibromomethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/16/2007 7:01:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Toluene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
2-Hexanone	ND	10		µg/L	1	10/16/2007 7:01:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Chlorobenzene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Ethylbenzene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
m,p-Xylene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM

Approved By: PE **Date:** 11-8-07

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

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0710280	**Collection Date:**	10/9/2007 10:24:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Styrene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
Bromoform	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/16/2007 7:01:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 7:01:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/16/2007 7:01:00 AM

NOTES:
TICS: No compounds were detected.

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0710280	**Collection Date:**	10/9/2007 10:30:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Vinyl chloride	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Bromomethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Chloroethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Acetone	ND	10		µg/L	1	10/16/2007 7:39:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Iodomethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Carbon disulfide	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Methylene chloride	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Acrylonitrile	ND	100		µg/L	1	10/16/2007 7:39:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Vinyl acetate	ND	50		µg/L	1	10/16/2007 7:39:00 AM
2-Butanone	ND	10		µg/L	1	10/16/2007 7:39:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Chloroform	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Bromochloromethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Benzene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/16/2007 7:39.00 AM
Trichloroethene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Dibromomethane	ND	5 0		µg/L	1	10/16/2007 7:39:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/16/2007 7:39:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Toluene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
2-Hexanone	ND	10		µg/L	1	10/16/2007 7:39.00 AM
Tetrachloroethene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Chlorobenzene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Ethylbenzene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
m,p-Xylene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM

Approved By: PF **Date:** 11-8-07

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

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0710280	**Collection Date:**	10/9/2007 10:30:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Styrene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
Bromoform	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/16/2007 7:39:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 7:39:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/16/2007 7:39:00 AM

NOTES:
TICS: No compounds were detected.

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0710280	**Collection Date:**	10/9/2007 11:24:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Vinyl chloride	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Bromomethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Chloroethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Acetone	ND	10		µg/L	1	10/16/2007 8:18:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Iodomethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Carbon disulfide	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Methylene chloride	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Acrylonitrile	ND	100		µg/L	1	10/16/2007 8:18:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Vinyl acetate	ND	50		µg/L	1	10/16/2007 8:18:00 AM
2-Butanone	ND	10		µg/L	1	10/16/2007 8:18:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Chloroform	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Bromochloromethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Benzene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Trichloroethene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Dibromomethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/16/2007 8:18:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Toluene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
2-Hexanone	ND	10		µg/L	1	10/16/2007 8:18:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Chlorobenzene	4	5.0	J	µg/L	1	10/16/2007 8:18:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Ethylbenzene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
m,p-Xylene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM

Approved By: PE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0710280	**Collection Date:**	10/9/2007 11:24:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Styrene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
Bromoform	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/16/2007 8:18:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 8:18:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/16/2007 8:18:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0710280	**Collection Date:**	10/9/2007 11:23:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Vinyl chloride	5.8	5.0		µg/L	1	10/17/2007 3:16:00 PM
Bromomethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Chloroethane	4	5.0	J	µg/L	1	10/17/2007 3:16:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 3:16:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Iodomethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Carbon disulfide	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Methylene chloride	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Acrylonitrile	ND	100		µg/L	1	10/17/2007 3:16:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Vinyl acetate	ND	50		µg/L	1	10/17/2007 3:16:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 3:16:00 PM
cis-1,2-Dichloroethene	9.2	5.0		µg/L	1	10/17/2007 3:16:00 PM
Chloroform	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Bromochloromethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Benzene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Trichloroethene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Dibromomethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 3:16:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Toluene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 3:16:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Chlorobenzene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Ethylbenzene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
m,p-Xylene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM

Approved By: DE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0710280	**Collection Date:**	10/9/2007 11:23:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Styrene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
Bromoform	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/17/2007 3:16:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 3:16:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/17/2007 3:16:00 PM
TIC: Ethyl ether	4.1	0		µg/L	1	10/17/2007 3:16:00 PM

Approved By: PF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0710280	**Collection Date:**	10/9/2007 10:10:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Vinyl chloride	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Bromomethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Chloroethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 3:55:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Iodomethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Carbon disulfide	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Methylene chloride	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Acrylonitrile	ND	100		µg/L	1	10/17/2007 3:55:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Vinyl acetate	ND	50		µg/L	1	10/17/2007 3:55:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 3:55:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Chloroform	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Bromochloromethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Benzene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Trichloroethene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Dibromomethane	ND	5.0		µg/L	1	10/17/2007 3:55.00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 3:55:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Toluene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 3:55.00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 3:55:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Chlorobenzene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 3:55.00 PM
Ethylbenzene	ND	5.0		µg/L	1	10/17/2007 3:55.00 PM
m,p-Xylene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM

Approved By: PF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0710280	**Collection Date:**	10/9/2007 10:10:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Styrene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
Bromoform	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/17/2007 3:55:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 3:55:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/17/2007 3:55:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: DF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0710280	**Collection Date:**	10/9/2007 11:45:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Vinyl chloride	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Bromomethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Chloroethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Acetone	ND	10		µg/L	1	10/16/2007 6:22:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Iodomethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Carbon disulfide	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Methylene chloride	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Acrylonitrile	ND	100		µg/L	1	10/16/2007 6:22:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Vinyl acetate	ND	50		µg/L	1	10/16/2007 6:22:00 AM
2-Butanone	ND	10		µg/L	1	10/16/2007 6:22:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Chloroform	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Bromochloromethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Benzene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Trichloroethene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Dibromomethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/16/2007 6:22:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Toluene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
2-Hexanone	ND	10		µg/L	1	10/16/2007 6:22:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Chlorobenzene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Ethylbenzene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
m,p-Xylene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM

Approved By: PE **Date:** 11-8-07

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

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0710280	**Collection Date:**	10/9/2007 11:45:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Styrene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
Bromoform	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/16/2007 6:22:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/16/2007 6:22:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/16/2007 6:22:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: DF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0710280	**Collection Date:**	10/9/2007 11:04:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Vinyl chloride	4	5.0	J	µg/L	1	10/17/2007 4:33:00 PM
Bromomethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Chloroethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 4:33:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Iodomethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Carbon disulfide	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Methylene chloride	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Acrylonitrile	ND	100		µg/L	1	10/17/2007 4:33:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,1-Dichloroethane	5	5.0	J	µg/L	1	10/17/2007 4:33:00 PM
Vinyl acetate	ND	50		µg/L	1	10/17/2007 4:33:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 4:33:00 PM
cis-1,2-Dichloroethene	6.1	5.0		µg/L	1	10/17/2007 4:33:00 PM
Chloroform	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Bromochloromethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Benzene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Trichloroethene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	10/17/2007 4:33.00 PM
Dibromomethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 4:33:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Toluene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 4:33:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Chlorobenzene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Ethylbenzene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
m,p-Xylene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM

Approved By: PE **Date:** 11-8-07

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

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0710280	**Collection Date:**	10/9/2007 11:04:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Styrene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
Bromoform	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/17/2007 4:33:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 4:33:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/17/2007 4:33:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: DE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B Dupe
Lab Order:	U0710280	**Collection Date:**	10/9/2007 10:30:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Vinyl chloride	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Bromomethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Chloroethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 5:11:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Iodomethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Carbon disulfide	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Methylene chloride	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Acrylonitrile	ND	100		µg/L	1	10/17/2007 5:11:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Vinyl acetate	ND	50		µg/L	1	10/17/2007 5:11:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 5:11:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Chloroform	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Bromochloromethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Benzene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Trichloroethene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Dibromomethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 5:11:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Toluene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 5:11:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Chlorobenzene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Ethylbenzene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
m,p-Xylene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM

Approved By: PF **Date:** 11-8-07

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

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B Dupe
Lab Order:	U0710280	**Collection Date:**	10/9/2007 10:30:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Styrene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
Bromoform	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/17/2007 5:11:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 5:11:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/17/2007 5:11:00 PM

NOTES:
TICS: No compounds were detected.

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	ULI Trip Blank 20071001A
Lab Order:	U0710280	**Collection Date:**	10/9/2007
Project:	Towslee Landfill		
Lab ID:	U0710280-009	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Vinyl chloride	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Bromomethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Chloroethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 5:49:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Iodomethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Carbon disulfide	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Methylene chloride	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Acrylonitrile	ND	100		µg/L	1	10/17/2007 5:49:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Vinyl acetate	ND	50		µg/L	1	10/17/2007 5:49:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 5:49:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Chloroform	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Bromochloromethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Benzene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Trichloroethene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Dibromomethane	ND	5.0		µg/L	1	10/17/2007 5:49.00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 5:49:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Toluene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 5:49:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Chlorobenzene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Ethylbenzene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
m,p-Xylene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM

Approved By: PF **Date:** 11-8-07

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

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	ULI Trip Blank 20071001A
Lab Order:	U0710280	**Collection Date:**	10/9/2007
Project:	Towslee Landfill		
Lab ID:	U0710280-009	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Styrene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
Bromoform	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/17/2007 5:49:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 5:49:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/17/2007 5:49:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: DF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U0710280	**Collection Date:**	10/11/2007 7:00:00 PM
Project:	Towslee Landfill		
Lab ID:	U0710280-010	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
Chloromethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Vinyl chloride	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Bromomethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Chloroethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 6:28:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Iodomethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Carbon disulfide	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Methylene chloride	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Acrylonitrile	ND	100		µg/L	1	10/17/2007 6:28:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Vinyl acetate	ND	50		µg/L	1	10/17/2007 6:28:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 6:28:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Chloroform	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Bromochloromethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Benzene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Trichloroethene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Dibromomethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 6:28:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Toluene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 6:28:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Chlorobenzene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Ethylbenzene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
m,p-Xylene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM

Approved By: PF **Date:** 11-8-07

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

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	Holding Blank
Lab Order:	U0710280	**Collection Date:**	10/11/2007 7:00:00 PM
Project:	Towslee Landfill		
Lab ID:	U0710280-010	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		**SW8260B**				Analyst: **MM**
o-Xylene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Styrene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
Bromoform	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	10/17/2007 6:28:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	10/17/2007 6:28:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	10/17/2007 6:28:00 PM

NOTES:
TICS: No compounds were detected.

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:29:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	658	1.0		umhos/cm		10/10/2007 9:29:00 AM
Eh	-68	-300		mV		10/10/2007 9:29:00 AM
pH	8.01	6.5-8.5		SU		10/10/2007 9:29:00 AM
Temperature	16			degC		10/10/2007 9:29:00 AM
Turbidity	28.1	5.0		NTU		10/10/2007 9:29:00 AM
Water Level	3.56			ft		10/10/2007 9:29:00 AM
ICP METALS, TOTAL ASP		**E200.7**		**(E200.7)**		Analyst: **LJ**
Aluminum	2070	100		µg/L	1	10/24/2007 9:45:39 AM
Antimony	ND	15.0		µg/L	1	10/24/2007 11:41:44 AM
Arsenic	ND	10.0		µg/L	1	10/24/2007 9:45:39 AM
Barium	91.7	50.0		µg/L	1	10/24/2007 9:45:39 AM
Beryllium	ND	3.00		µg/L	1	10/24/2007 9:45:39 AM
Boron	ND	500		µg/L	1	10/23/2007 2:39:23 PM
Cadmium	ND	5.00		µg/L	1	10/24/2007 9:45:39 AM
Calcium	42200	1000		µg/L	1	10/24/2007 9:45:39 AM
Chromium	ND	5.00		µg/L	1	10/24/2007 9:45:39 AM
Cobalt	ND	20.0		µg/L	1	10/24/2007 9:45:39 AM
Copper	ND	10.0		µg/L	1	10/24/2007 9:45:39 AM
Iron	3490	60.0		µg/L	1	10/24/2007 9:45:39 AM
Lead	ND	3.00		µg/L	1	10/24/2007 9:45:39 AM
Magnesium	9800	1000		µg/L	1	10/24/2007 9:45:39 AM
Manganese	203	10.0		µg/L	1	10/24/2007 9:45:39 AM
Nickel	ND	30.0		µg/L	1	10/24/2007 9:45:39 AM
Potassium	2060	1000		µg/L	1	10/24/2007 9:45:39 AM
Selenium	ND	5.00		µg/L	1	11/8/2007 8:34:58 AM
Silver	ND	10.0		µg/L	1	10/24/2007 9:45:39 AM
Sodium	11800	1000		µg/L	1	10/24/2007 9:45:39 AM
Thallium	ND	10.0		µg/L	1	10/24/2007 11:41:44 AM
Vanadium	ND	30.0		µg/L	1	10/24/2007 9:45:39 AM
Zinc	23.5	10.0		µg/L	1	10/24/2007 9:45:39 AM
Hardness, Total(CaCO3)	146000	7000		µg/L	1	10/24/2007 9:45:39 AM
TOTAL MERCURY WATERS ASP		**E245.2**		**(E245.2)**		Analyst: **DRP**
Mercury	ND	0.200		µg/L	1	10/16/2007 12:56:37 PM
INORGANIC ANIONS BY IC FOR WATERS		**E300.1**				Analyst: **NJS**
Bromide	ND	0.20		mg/L	1	10/23/2007
COLOR		**E110.2**				Analyst: **KAM**
Color	30.0	10.0		UNITS	2	10/11/2007 4:00:00 PM

Approved By: PE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1A
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:29:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	204	25		mg/L	1	10/14/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **BY**
Alkalinity, Total (As CaCO3)	130	10		mg/LCaCO3	1	10/18/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **BY**
Chloride	27.9	1.00		mg/L	1	10/18/2007
CYANIDE, TOTAL ASP		**E335.2**		**(E335.2)**		Analyst: **BY**
Cyanide	ND	10.0		µg/L	1	10/18/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BS**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	10/17/2007
TKN FOR WATERS		**E351.3**				Analyst: **BS**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	10/17/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	10/10/2007 4:13:00 PM
SULFATE		**E375.4**				Analyst: **KAM**
Sulfate	11.2	5.00		mg/L	1	10/18/2007
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	10/10/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NJS**
Chemical Oxygen Demand	ND	20		mg/L	1	10/17/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **NJS**
Organic Carbon, Total	ND	3.0		mg/L	1	10/15/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	10/17/2007
HEXAVALENT CHROMIUM BY ASP 2005		**SM3500**				Analyst: **DEY**
Hexavalent chromium	ND	0.010		mg/L	1	10/10/2007 4:00:00 PM

Approved By: PE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:36:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-012	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	943	1.0		umhos/cm		10/10/2007 9:36:00 AM
Eh	-80	-300		mV		10/10/2007 9:36:00 AM
pH	8.28	6.5-8.5		SU		10/10/2007 9:36:00 AM
Temperature	16.3			degC		10/10/2007 9:36:00 AM
Turbidity	22.8	5.0		NTU		10/10/2007 9:36:00 AM
Water Level	3.68			ft		10/10/2007 9:36:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: **LJ**
Aluminum	537	100		µg/L	1	10/24/2007 9:49:00 AM
Antimony	ND	15.0		µg/L	1	10/24/2007 11:45:04 AM
Arsenic	ND	10.0		µg/L	1	10/24/2007 9:49:00 AM
Barium	172	50.0		µg/L	1	10/24/2007 9:49:00 AM
Beryllium	ND	3.00		µg/L	1	10/24/2007 9:49:00 AM
Boron	ND	500		µg/L	1	10/23/2007 2:42:12 PM
Cadmium	ND	5.00		µg/L	1	10/24/2007 9:49:00 AM
Calcium	26000	1000		µg/L	1	10/24/2007 9:49:00 AM
Chromium	ND	5.00		µg/L	1	10/24/2007 9:49:00 AM
Cobalt	ND	20.0		µg/L	1	10/24/2007 9:49:00 AM
Copper	ND	10.0		µg/L	1	10/24/2007 9:49:00 AM
Iron	730	60.0		µg/L	1	10/24/2007 9:49:00 AM
Lead	ND	3.00		µg/L	1	10/24/2007 9:49:00 AM
Magnesium	6280	1000		µg/L	1	10/24/2007 9:49:00 AM
Manganese	176	10.0		µg/L	1	10/24/2007 9:49:00 AM
Nickel	ND	30.0		µg/L	1	10/24/2007 9:49:00 AM
Potassium	ND	1000		µg/L	1	10/24/2007 9:49:00 AM
Selenium	ND	5.00		µg/L	1	11/8/2007 8:38:21 AM
Silver	ND	10.0		µg/L	1	10/24/2007 9:49:00 AM
Sodium	5840	1000		µg/L	1	10/24/2007 9:49:00 AM
Thallium	ND	10.0		µg/L	1	10/24/2007 11:45:04 AM
Vanadium	ND	30.0		µg/L	1	10/24/2007 9:49:00 AM
Zinc	16.8	10.0		µg/L	1	10/24/2007 9:49:00 AM
Hardness, Total(CaCO3)	90800	7000		µg/L	1	10/24/2007 9:49.00 AM
TOTAL MERCURY WATERS ASP		E245.2		(E245.2)		Analyst: **DRP**
Mercury	ND	0.200		µg/L	1	10/16/2007 12:57:48 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: **NJS**
Bromide	ND	0.20		mg/L	1	10/23/2007
COLOR		E110.2				Analyst: **KAM**
Color	30.0	10.0		UNITS	2	10/11/2007 4:00:00 PM

Approved By: PF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:36:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-012	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	104	25		mg/L	1	10/14/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **BY**
Alkalinity, Total (As CaCO3)	100	10		mg/LCaCO3	1	10/18/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **BY**
Chloride	6.44	1.00		mg/L	1	10/18/2007
CYANIDE, TOTAL ASP		**E335.2**		**(E335.2)**		Analyst: **BY**
Cyanide	ND	10.0		µg/L	1	10/18/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BS**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	10/17/2007
TKN FOR WATERS		**E351.3**				Analyst: **BS**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	10/17/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	10/10/2007 4:13:00 PM
SULFATE		**E375.4**				Analyst: **KAM**
Sulfate	5.26	5.00		mg/L	1	10/18/2007
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	10/10/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NJS**
Chemical Oxygen Demand	ND	20		mg/L	1	10/17/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **NJS**
Organic Carbon, Total	ND	3.0		mg/L	1	10/15/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	10/17/2007
HEXAVALENT CHROMIUM BY ASP 2005		**SM3500**				Analyst: **DEY**
Hexavalent chromium	ND	0.010		mg/L	1	10/10/2007 4:00:00 PM

Approved By: DE Date: 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0710280	**Collection Date:**	10/10/2007 10:19:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-013	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	574	1.0		umhos/cm		10/10/2007 10:19:00 AM
Eh	-25	-300		mV		10/10/2007 10:19:00 AM
pH	7.12	6.5-8.5		SU		10/10/2007 10:19:00 AM
Temperature	14.6			degC		10/10/2007 10:19:00 AM
Turbidity	5.07	5.0		NTU		10/10/2007 10:19:00 AM
Water Level	5.98			ft		10/10/2007 10:19:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: LJ
Aluminum	444	100		µg/L	1	10/24/2007 9:52:38 AM
Antimony	ND	15.0		µg/L	1	10/24/2007 11:48:41 AM
Arsenic	ND	10.0		µg/L	1	10/24/2007 9:52:38 AM
Barium	265	50.0		µg/L	1	10/24/2007 9:52:38 AM
Beryllium	ND	3.00		µg/L	1	10/24/2007 9:52:38 AM
Boron	ND	500		µg/L	1	10/23/2007 2:45:03 PM
Cadmium	ND	5.00		µg/L	1	10/24/2007 9:52:38 AM
Calcium	47900	1000		µg/L	1	10/24/2007 9:52:38 AM
Chromium	ND	5.00		µg/L	1	10/24/2007 9:52:38 AM
Cobalt	ND	20.0		µg/L	1	10/24/2007 9:52:38 AM
Copper	ND	10.0		µg/L	1	10/24/2007 9:52:38 AM
Iron	4950	60.0		µg/L	1	10/24/2007 9:52:38 AM
Lead	ND	3.00		µg/L	1	10/24/2007 9:52:38 AM
Magnesium	11000	1000		µg/L	1	10/24/2007 9:52:38 AM
Manganese	7050	10.0		µg/L	1	10/24/2007 9:52:38 AM
Nickel	ND	30.0		µg/L	1	10/24/2007 9:52:38 AM
Potassium	2140	1000		µg/L	1	10/24/2007 9:52:38 AM
Selenium	ND	5.00		µg/L	1	11/8/2007 8:41:45 AM
Silver	ND	10.0		µg/L	1	10/24/2007 9:52:38 AM
Sodium	13800	1000		µg/L	1	10/24/2007 9:52:38 AM
Thallium	ND	10.0		µg/L	1	10/24/2007 11:48:41 AM
Vanadium	ND	30 0		µg/L	1	10/24/2007 9:52:38 AM
Zinc	ND	10.0		µg/L	1	10/24/2007 9:52:38 AM
Hardness, Total(CaCO3)	165000	7000		µg/L	1	10/24/2007 9:52:38 AM
TOTAL MERCURY WATERS ASP		E245.2		(E245.2)		Analyst: DRP
Mercury	ND	0.200		µg/L	1	10/16/2007 12:58:56 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: NJS
Bromide	ND	2.0		mg/L	10	10/23/2007

NOTES:
The reporting limits were raised due to matrix interference.

Approved By: PE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2A
Lab Order:	U0710280	**Collection Date:**	10/10/2007 10:19:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-013	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR		**E110.2**				Analyst: **KAM**
Color	210	50.0		UNITS	10	10/11/2007 4:00:00 PM
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	284	25		mg/L	1	10/14/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **BY**
Alkalinity, Total (As CaCO3)	290	10		mg/LCaCO3	1	10/18/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **BY**
Chloride	10.6	1.00		mg/L	1	10/18/2007
CYANIDE, TOTAL ASP		**E335.2**		**(E335.2)**		Analyst: **BY**
Cyanide	ND	10.0		µg/L	1	10/18/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BY**
Nitrogen, Ammonia (As NH3)	13.5	0.500		mg/L	1	10/22/2007
TKN FOR WATERS		**E351.3**				Analyst: **BS**
Nitrogen, Kjeldahl, Total	12.6	0.500		mg/L	1	10/17/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	10/10/2007 4:13:00 PM
SULFATE		**E375.4**				Analyst: **KAM**
Sulfate	9.93	5.00		mg/L	1	10/18/2007
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	10/10/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NJS**
Chemical Oxygen Demand	22	20		mg/L	1	10/17/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **NJS**
Organic Carbon, Total	6.3	3.0		mg/L	1	10/15/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	10/17/2007
HEXAVALENT CHROMIUM BY ASP 2005		**SM3500**				Analyst: **DEY**
Hexavalent chromium	ND	0.020		mg/L	2	10/10/2007 4:00:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

Approved By: DF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Client Sample ID: MW-2B
Lab Order: U0710280
Collection Date: 10/10/2007 10:12:00 AM
Project: Towslee Landfill
Lab ID: U0710280-014
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	329	1.0		umhos/cm		10/10/2007 10:12:00 AM
Eh	-34	-300		mV		10/10/2007 10:12:00 AM
pH	7.35	6.5-8.5		SU		10/10/2007 10:12:00 AM
Temperature	15.8			degC		10/10/2007 10:12:00 AM
Turbidity	37	5.0		NTU		10/10/2007 10:12:00 AM
Water Level	7.14			ft		10/10/2007 10:12:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: LJ
Aluminum	ND	100		µg/L	1	10/24/2007 9:56:17 AM
Antimony	ND	15.0		µg/L	1	10/24/2007 11:52:16 AM
Arsenic	ND	10.0		µg/L	1	10/24/2007 9:56:17 AM
Barium	1090	50.0		µg/L	1	10/24/2007 9:56:17 AM
Beryllium	ND	3.00		µg/L	1	10/24/2007 9:56:17 AM
Boron	ND	500		µg/L	1	10/23/2007 2:47:52 PM
Cadmium	ND	5.00		µg/L	1	10/24/2007 9:56:17 AM
Calcium	195000	1000		µg/L	1	10/24/2007 9:56:17 AM
Chromium	ND	5.00		µg/L	1	10/24/2007 9:56:17 AM
Cobalt	ND	20.0		µg/L	1	10/24/2007 9:56:17 AM
Copper	ND	10.0		µg/L	1	10/24/2007 9:56:17 AM
Iron	323	60.0		µg/L	1	10/24/2007 9:56:17 AM
Lead	ND	3.00		µg/L	1	10/24/2007 9:56:17 AM
Magnesium	39900	1000		µg/L	1	10/24/2007 9:56:17 AM
Manganese	5700	10.0		µg/L	1	10/24/2007 9:56:17 AM
Nickel	ND	30.0		µg/L	1	10/24/2007 9:56:17 AM
Potassium	ND	1000		µg/L	1	10/24/2007 9:56:17 AM
Selenium	ND	5.00		µg/L	1	11/8/2007 8:45:09 AM
Silver	ND	10.0		µg/L	1	10/24/2007 9:56:17 AM
Sodium	48200	1000		µg/L	1	10/24/2007 9:56:17 AM
Thallium	ND	10.0		µg/L	1	10/24/2007 11:52:16 AM
Vanadium	ND	30.0		µg/L	1	10/24/2007 9:56:17 AM
Zinc	46.9	10.0		µg/L	1	10/24/2007 9:56:17 AM
Hardness, Total(CaCO3)	652000	7000		µg/L	1	10/24/2007 9:56:17 AM
TOTAL MERCURY WATERS ASP		E245.2		(E245.2)		Analyst: DRP
Mercury	ND	0.200		µg/L	1	10/16/2007 12:59:57 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: NJS
Bromide	0.92	0.20		mg/L	1	10/25/2007
COLOR		E110.2				Analyst: KAM
Color	15 0	5.00		UNITS	1	10/11/2007 4:00.00 PM

Approved By: PF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-2B
Lab Order:	U0710280	**Collection Date:**	10/10/2007 10:12:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-014	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	868	25		mg/L	1	10/14/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **BY**
Alkalinity, Total (As CaCO3)	640	100		mg/LCaCO3	10	10/18/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **BY**
Chloride	161	1.00		mg/L	1	10/18/2007
CYANIDE, TOTAL ASP		**E335.2**		**(E335.2)**		Analyst: **BY**
Cyanide	ND	10.0		µg/L	1	10/18/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BY**
Nitrogen, Ammonia (As NH3)	1.22	0.500		mg/L	1	10/22/2007
TKN FOR WATERS		**E351.3**				Analyst: **BS**
Nitrogen, Kjeldahl, Total	1.53	0.500		mg/L	1	10/17/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	10/10/2007 4:13:00 PM
SULFATE		**E375.4**				Analyst: **KAM**
Sulfate	ND	5.00		mg/L	1	10/18/2007
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	10/10/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NJS**
Chemical Oxygen Demand	ND	20		mg/L	1	10/17/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **NJS**
Organic Carbon, Total	17.2	3.0		mg/L	1	10/15/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	10/17/2007
HEXAVALENT CHROMIUM BY ASP 2005		**SM3500**				Analyst: **DEY**
Hexavalent chromium	ND	0.010		mg/L	1	10/10/2007 4:00:00 PM

Approved By: PF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:15:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-015	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	939	1.0		umhos/cm		10/10/2007 9:15:00 AM
Eh	-76	-300		mV		10/10/2007 9:15:00 AM
pH	8.25	6.5-8.5		SU		10/10/2007 9:15:00 AM
Temperature	14.6			degC		10/10/2007 9:15:00 AM
Turbidity	13.7	5.0		NTU		10/10/2007 9:15:00 AM
Water Level	6.64			ft		10/10/2007 9:15:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: LJ
Aluminum	330	100		µg/L	1	10/24/2007 9:59:41 AM
Antimony	ND	15.0		µg/L	1	10/24/2007 11:55:37 AM
Arsenic	ND	10.0		µg/L	1	10/24/2007 9:59:41 AM
Barium	332	50.0		µg/L	1	10/24/2007 9:59:41 AM
Beryllium	ND	3.00		µg/L	1	10/24/2007 9:59:41 AM
Boron	ND	500		µg/L	1	10/23/2007 2:50:41 PM
Cadmium	ND	5.00		µg/L	1	10/24/2007 9:59:41 AM
Calcium	27500	1000		µg/L	1	10/24/2007 9:59:41 AM
Chromium	ND	5.00		µg/L	1	10/24/2007 9:59:41 AM
Cobalt	ND	20.0		µg/L	1	10/24/2007 9:59:41 AM
Copper	ND	10.0		µg/L	1	10/24/2007 9:59:41 AM
Iron	537	60.0		µg/L	1	10/24/2007 9:59:41 AM
Lead	ND	3.00		µg/L	1	10/24/2007 9:59:41 AM
Magnesium	4260	1000		µg/L	1	10/24/2007 9:59:41 AM
Manganese	287	10.0		µg/L	1	10/24/2007 9:59:41 AM
Nickel	ND	30.0		µg/L	1	10/24/2007 9:59:41 AM
Potassium	ND	1000		µg/L	1	10/24/2007 9:59:41 AM
Selenium	ND	5.00		µg/L	1	11/8/2007 8:48:34 AM
Silver	ND	10.0		µg/L	1	10/24/2007 9:59:41 AM
Sodium	2640	1000		µg/L	1	10/24/2007 9:59:41 AM
Thallium	ND	10.0		µg/L	1	10/24/2007 11:55:37 AM
Vanadium	ND	30.0		µg/L	1	10/24/2007 9:59:41 AM
Zinc	10.6	10.0		µg/L	1	10/24/2007 9:59:41 AM
Hardness, Total(CaCO3)	86200	7000		µg/L	1	10/24/2007 9:59:41 AM
TOTAL MERCURY WATERS ASP		E245.2		(E245.2)		Analyst: DRP
Mercury	ND	0.200		µg/L	1	10/16/2007 1:03:12 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: NJS
Bromide	ND	2.0		mg/L	10	10/23/2007

NOTES:
The reporting limits were raised due to matrix interference.

Approved By: PE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-3A
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:15:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-015	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR		**E110.2**				Analyst: **KAM**
Color	115	25.0		UNITS	5	10/11/2007 4:00:00 PM
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	144	25		mg/L	1	10/14/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **BY**
Alkalinity, Total (As CaCO3)	130	10		mg/LCaCO3	1	10/18/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **BY**
Chloride	5.73	1.00		mg/L	1	10/18/2007
CYANIDE, TOTAL ASP		**E335.2**		**(E335.2)**		Analyst: **BY**
Cyanide	ND	10.0		µg/L	1	10/18/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BS**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	10/17/2007
TKN FOR WATERS		**E351.3**				Analyst: **BS**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	10/17/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	10/10/2007 4:13:00 PM
SULFATE		**E375.4**				Analyst: **KAM**
Sulfate	ND	5.00		mg/L	1	10/18/2007
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	10/10/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NJS**
Chemical Oxygen Demand	ND	20		mg/L	1	10/17/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **NJS**
Organic Carbon, Total	3.7	3.0		mg/L	1	10/15/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	10/17/2007
HEXAVALENT CHROMIUM BY ASP 2005		**SM3500**				Analyst: **DEY**
Hexavalent chromium	ND	0.010		mg/L	1	10/10/2007 4:00:00 PM

Approved By: PF Date: 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0710280	**Collection Date:**	10/10/2007 10:40:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-016	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	810	1.0		umhos/cm		10/10/2007 10:40:00 AM
Eh	-57	-300		mV		10/10/2007 10:40:00 AM
pH	7.82	6.5-8.5		SU		10/10/2007 10:40:00 AM
Temperature	14.8			degC		10/10/2007 10:40:00 AM
Turbidity	12.5	5.0		NTU		10/10/2007 10:40:00 AM
Water Level	14.34			ft		10/10/2007 10:40:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: LJ
Aluminum	102	100		µg/L	1	10/24/2007 10:09:39 AM
Antimony	ND	15.0		µg/L	1	10/24/2007 12:05:20 PM
Arsenic	ND	10.0		µg/L	1	10/24/2007 10:09:39 AM
Barium	301	50.0		µg/L	1	10/24/2007 10:09:39 AM
Beryllium	ND	3.00		µg/L	1	10/24/2007 10:09:39 AM
Boron	ND	500		µg/L	1	10/23/2007 2:59:02 PM
Cadmium	ND	5.00		µg/L	1	10/24/2007 10:09:39 AM
Calcium	36700	1000		µg/L	1	10/24/2007 10:09:39 AM
Chromium	ND	5.00		µg/L	1	10/24/2007 10:09:39 AM
Cobalt	ND	20.0		µg/L	1	10/24/2007 10:09:39 AM
Copper	ND	10.0		µg/L	1	10/24/2007 10:09:39 AM
Iron	216	60.0		µg/L	1	10/24/2007 10:09:39 AM
Lead	ND	3.00		µg/L	1	10/24/2007 10:09:39 AM
Magnesium	7810	1000		µg/L	1	10/24/2007 10:09:39 AM
Manganese	712	10.0		µg/L	1	10/24/2007 10:09:39 AM
Nickel	ND	30.0		µg/L	1	10/24/2007 10:09:39 AM
Potassium	ND	1000		µg/L	1	10/24/2007 10:09:39 AM
Selenium	ND	5.00		µg/L	1	11/8/2007 8:52:01 AM
Silver	ND	10.0		µg/L	1	10/24/2007 10:09:39 AM
Sodium	14700	1000		µg/L	1	10/24/2007 10:09:39 AM
Thallium	ND	10.0		µg/L	1	10/24/2007 12:05:20 PM
Vanadium	ND	30.0		µg/L	1	10/24/2007 10:09:39 AM
Zinc	21.3	10.0		µg/L	1	10/24/2007 10:09:39 AM
Hardness, Total(CaCO3)	124000	7000		µg/L	1	10/24/2007 10:09:39 AM
TOTAL MERCURY WATERS ASP		E245.2		(E245.2)		Analyst: DRP
Mercury	ND	0.200		µg/L	1	10/16/2007 1:04:14 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: NJS
Bromide	ND	0.20		mg/L	1	10/25/2007
COLOR		E110.2				Analyst: KAM
Color	6.00	5.00		UNITS	1	10/11/2007 4:00:00 PM

Approved By: PE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-6B
Lab Order:	U0710280	**Collection Date:**	10/10/2007 10:40:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-016	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	208	25		mg/L	1	10/14/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **BY**
Alkalinity, Total (As CaCO3)	140	10		mg/LCaCO3	1	10/18/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **BY**
Chloride	25.9	1.00		mg/L	1	10/18/2007
CYANIDE, TOTAL ASP		**E335.2**		**(E335.2)**		Analyst: **BY**
Cyanide	ND	10.0		µg/L	1	10/18/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BS**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	10/17/2007
TKN FOR WATERS		**E351.3**				Analyst: **BS**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	10/17/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	10/10/2007 4:13:00 PM
SULFATE		**E375.4**				Analyst: **KAM**
Sulfate	12.7	5.00		mg/L	1	10/18/2007
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	10/10/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NJS**
Chemical Oxygen Demand	ND	20		mg/L	1	10/17/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **NJS**
Organic Carbon, Total	ND	3.0		mg/L	1	10/15/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	10/17/2007
HEXAVALENT CHROMIUM BY ASP 2005		**SM3500**				Analyst: **DEY**
Hexavalent chromium	ND	0.010		mg/L	1	10/10/2007 4:00:00 PM

Approved By: PF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:52:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-017	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	972	1.0		umhos/cm		10/10/2007 9:52:00 AM
Eh	-24	-300		mV		10/10/2007 9:52:00 AM
pH	7.11	6.5-8.5		SU		10/10/2007 9:52:00 AM
Temperature	15.2			degC		10/10/2007 9:52:00 AM
Turbidity	48.1	5.0		NTU		10/10/2007 9:52:00 AM
Water Level	3.36			ft		10/10/2007 9:52:00 AM
ICP METALS, TOTAL ASP		E200.7		(E200.7)		Analyst: LJ
Aluminum	2430	100		µg/L	1	10/24/2007 10:19:41 AM
Antimony	ND	15.0		µg/L	1	10/24/2007 12:15:14 PM
Arsenic	ND	10.0		µg/L	1	10/24/2007 10:19:41 AM
Barium	576	50.0		µg/L	1	10/24/2007 10:19:41 AM
Beryllium	ND	3.00		µg/L	1	10/24/2007 10:19:41 AM
Boron	650	500		µg/L	1	10/23/2007 3:07:25 PM
Cadmium	ND	5.00		µg/L	1	10/24/2007 10:19:41 AM
Calcium	131000	1000		µg/L	1	10/24/2007 10:19:41 AM
Chromium	ND	5.00		µg/L	1	10/24/2007 10:19:41 AM
Cobalt	ND	20.0		µg/L	1	10/24/2007 10:19:41 AM
Copper	ND	10.0		µg/L	1	10/24/2007 10:19:41 AM
Iron	3650	60.0		µg/L	1	10/24/2007 10:19:41 AM
Lead	ND	3.00		µg/L	1	10/24/2007 10:19:41 AM
Magnesium	32100	1000		µg/L	1	10/24/2007 10:19:41 AM
Manganese	3470	10.0		µg/L	1	10/24/2007 10:19:41 AM
Nickel	ND	30.0		µg/L	1	10/24/2007 10:19:41 AM
Potassium	ND	1000		µg/L	1	10/24/2007 10:19:41 AM
Selenium	ND	5.00		µg/L	1	11/8/2007 9:01:39 AM
Silver	ND	10.0		µg/L	1	10/24/2007 10:19:41 AM
Sodium	95200	1000		µg/L	1	10/24/2007 10:19:41 AM
Thallium	ND	10.0		µg/L	1	10/24/2007 12:15:14 PM
Vanadium	ND	30.0		µg/L	1	10/24/2007 10:19:41 AM
Zinc	26.3	10.0		µg/L	1	10/24/2007 10:19:41 AM
Hardness, Total(CaCO3)	459000	7000		µg/L	1	10/24/2007 10:19:41 AM
TOTAL MERCURY WATERS ASP		E245.2		(E245.2)		Analyst: DRP
Mercury	ND	0.200		µg/L	1	10/16/2007 1:07:54 PM
INORGANIC ANIONS BY IC FOR WATERS		E300.1				Analyst: NJS
Bromide	ND	2.0		mg/L	10	10/25/2007

NOTES:
The reporting limits were raised due to matrix interference.

Approved By: PE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-7A
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:52:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-017	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR		**E110.2**				Analyst: **KAM**
Color	85.0	25.0		UNITS	5	10/11/2007 4:00:00 PM
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	752	25		mg/L	1	10/14/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **BY**
Alkalinity, Total (As CaCO3)	540	100		mg/LCaCO3	10	10/18/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **BY**
Chloride	141	1.00		mg/L	1	10/18/2007
CYANIDE, TOTAL ASP		**E335.2**		**(E335.2)**		Analyst: **BY**
Cyanide	ND	10.0		µg/L	1	10/18/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	10/22/2007
TKN FOR WATERS		**E351.3**				Analyst: **BS**
Nitrogen, Kjeldahl, Total	0.591	0.500		mg/L	1	10/17/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	10/10/2007 4:13:00 PM
SULFATE		**E375.4**				Analyst: **KAM**
Sulfate	17.8	5.00		mg/L	1	10/18/2007
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	10/10/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NJS**
Chemical Oxygen Demand	ND	20		mg/L	1	10/17/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **NJS**
Organic Carbon, Total	11.5	3.0		mg/L	1	10/15/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	10/17/2007
HEXAVALENT CHROMIUM BY ASP 2005		**SM3500**				Analyst: **DEY**
Hexavalent chromium	ND	0.010		mg/L	1	10/10/2007 4:00:00 PM

Approved By: PE **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B Dupe
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:36:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-018	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL ASP		**E200.7**		**(E200.7)**		Analyst: **LJ**
Aluminum	409	100		µg/L	1	10/24/2007 10:26:30 AM
Antimony	ND	15.0		µg/L	1	10/24/2007 12:22:03 PM
Arsenic	ND	10.0		µg/L	1	10/24/2007 10:26:30 AM
Barium	181	50.0		µg/L	1	10/24/2007 10:26:30 AM
Beryllium	ND	3.00		µg/L	1	10/24/2007 10:26:30 AM
Boron	ND	500		µg/L	1	10/23/2007 3:13:09 PM
Cadmium	ND	5.00		µg/L	1	10/24/2007 10:26:30 AM
Calcium	28900	1000		µg/L	1	10/24/2007 10:26:30 AM
Chromium	ND	5.00		µg/L	1	10/24/2007 10:26:30 AM
Cobalt	ND	20.0		µg/L	1	10/24/2007 10:26:30 AM
Copper	ND	10.0		µg/L	1	10/24/2007 10:26:30 AM
Iron	606	60.0		µg/L	1	10/24/2007 10:26:30 AM
Lead	ND	3.00		µg/L	1	10/24/2007 10:26:30 AM
Magnesium	6820	1000		µg/L	1	10/24/2007 10:26:30 AM
Manganese	182	10.0		µg/L	1	10/24/2007 10:26:30 AM
Nickel	ND	30.0		µg/L	1	10/24/2007 10:26:30 AM
Potassium	ND	1000		µg/L	1	10/24/2007 10:26:30 AM
Selenium	ND	5.00		µg/L	1	11/8/2007 9:04:58 AM
Silver	ND	10.0		µg/L	1	10/24/2007 10:26:30 AM
Sodium	6650	1000		µg/L	1	10/24/2007 10:26:30 AM
Thallium	ND	10.0		µg/L	1	10/24/2007 12:22:03 PM
Vanadium	ND	30.0		µg/L	1	10/24/2007 10:26:30 AM
Zinc	22.5	10.0		µg/L	1	10/24/2007 10:26:30 AM
Hardness, Total(CaCO3)	100000	7000		µg/L	1	10/24/2007 10:26:30 AM
TOTAL MERCURY WATERS ASP		**E245.2**		**(E245.2)**		Analyst: **DRP**
Mercury	ND	0.200		µg/L	1	10/16/2007 1:08:53 PM
INORGANIC ANIONS BY IC FOR WATERS		**E300.1**				Analyst: **NJS**
Bromide	ND	0.20		mg/L	1	10/23/2007
COLOR		**E110.2**				Analyst: **KAM**
Color	30.0	10.0		UNITS	2	10/11/2007 4:00:00 PM
RESIDUE, DISSOLVED (TDS)		**E160.1**				Analyst: **DEY**
Residue, Dissolved (TDS)	140	25		mg/L	1	10/14/2007
ALKALINITY ON AQUEOUS SAMPLES BY LACHA		**E310.2**				Analyst: **BY**
Alkalinity, Total (As CaCO3)	120	10		mg/LCaCO3	1	10/18/2007
CHLORIDE WATERS BY LACHAT		**E325.2**				Analyst: **BY**
Chloride	9.98	1.00		mg/L	1	10/18/2007

Approved By: PF **Date:** 11-8-07

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.

Date: *08-Nov-07*

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	**Client Sample ID:**	MW-1B Dupe
Lab Order:	U0710280	**Collection Date:**	10/10/2007 9:36:00 AM
Project:	Towslee Landfill		
Lab ID:	U0710280-018	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL ASP		**E335.2**		**(E335.2)**		Analyst: **BY**
Cyanide	ND	10.0		µg/L	1	10/18/2007
NITROGEN, AMMONIA (AS NH3 BY LACHAT)		**E350.1**				Analyst: **BS**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	10/17/2007
TKN FOR WATERS		**E351.3**				Analyst: **BS**
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	10/17/2007
NITROGEN, NITRATE (AS N)		**E353.2**				Analyst: **BY**
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	10/10/2007 4:13:00 PM
SULFATE		**E375.4**				Analyst: **KAM**
Sulfate	5.39	5.00		mg/L	1	10/18/2007
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)		**E405.1**				Analyst: **DEY**
Biochemical Oxygen Demand	ND	4		mg/L	1	10/10/2007 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)		**E410.4**				Analyst: **NJS**
Chemical Oxygen Demand	ND	20		mg/L	1	10/17/2007
TOTAL ORGANIC CARBON (TOC)		**E415.1**				Analyst: **NJS**
Organic Carbon, Total	ND	3.0		mg/L	1	10/15/2007
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	10/17/2007
HEXAVALENT CHROMIUM BY ASP 2005		**SM3500**				Analyst: **DEY**
Hexavalent chromium	ND	0.010		mg/L	1	10/10/2007 4:00:00 PM

Approved By: DF **Date:** 11-8-07

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**

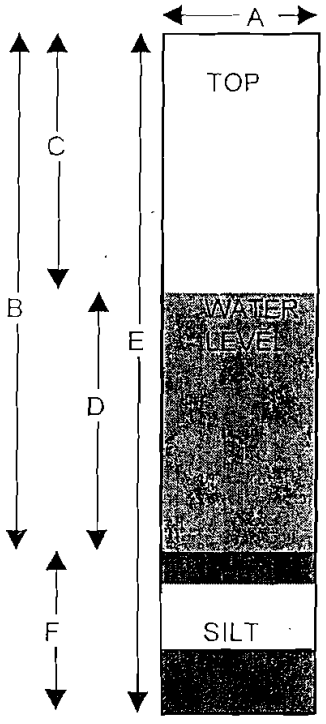
Well ID.: **MW-1A**

ULI ID No. (enter by lab)

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	3.56	feet
D.	Length of Water Column (calculated)	30.14	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.82	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	14.47	gallons
	Actual Volume Evacuated	15	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	10/9/2007	10/10/2007
Time	10.24 AM	9:29 AM
EH	-125	-68
Temperature	14.8 c	16 c
pH	9.23	8.01
Specific Cond.	221	658
Turbidity	8.84	28.1
Dissolved Oxygen	N/A	N/A
Appearance	clear	sl. Cloudy

% Recharge:

Initial Depth to Water 3.56 feet

Recharge Depth to Water 3.61 feet

2nd water column height 99.8341 %

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: 60 f foggy | 60 f sunny

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-1B

ULI ID No. (enter by lab)

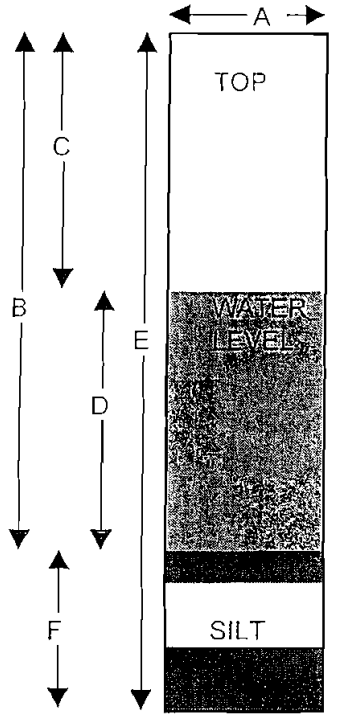
Condition of Well: Good

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	3.68	feet
D.	Length of Water Column (calculated)	51.82	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	8.29	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	24.87	gallons
	Actual Volume Evacuated	25	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	10/9/2007	10/10/2007
Time	10:30 AM	9:36 AM
EH	-126	-80
Temperature	14.4 c	16.3 c
pH	9.26	8.28
Specific Cond.	1368	943
Turbidity	11.1	22.8
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	clear

% Recharge:

Initial Depth to Water	3.68	feet
Recharge Depth to Water	3.7	feet
2nd water column height	99.9614	%
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: 60 f foggy 60 f sunny

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

ULI ID No. (enter by lab)

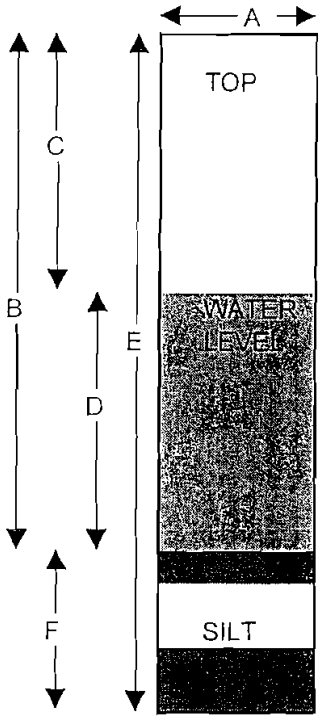
Condition of Well: Good

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	5.98	feet
D.	Length of Water Column (calculated)	6.82	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.09	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	3.27	gallons
	Actual Volume Evacuated	3.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	10/9/2007	10/10/2007
Time	11:29 AM	10:19 AM
EH	-31	-25
Temperature	16.5 c	14.6 c
pH	7.27	7.12
Specific Cond.	457	574
Turbidity	16.6	5.07
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	clear

% Recharge:

Initial Depth to Water 6.98 feet

Recharge Depth to Water 7.02 feet

2nd water column height 99.4302 %

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: 63 cloudy 64 sunny

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**

ULI ID No. (enter by lab)

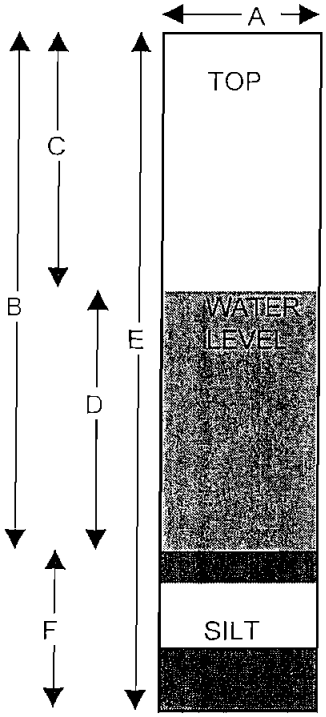
Condition of Well: Good

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	7.14	feet
D.	Length of Water Column (calculated)	26.36	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.22	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	12.65	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	10/9/2007	10/10/2007
Time	11:23 AM	10:12 AM
EH	-60	-34
Temperature	15.6 c	15.8 c
pH	7.86	7.35
Specific Cond.	551	329
Turbidity	8.74	37
Dissolved Oxygen	N/A	N/A
Appearance	clear	cloudy

% Recharge:

Initial Depth to Water 7.14 feet

Recharge Depth to Water 7.17 feet

2nd water column height 99.8862 %

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: 63 f cloudy 64 f sunny

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-3A

ULI ID No. (enter by lab)

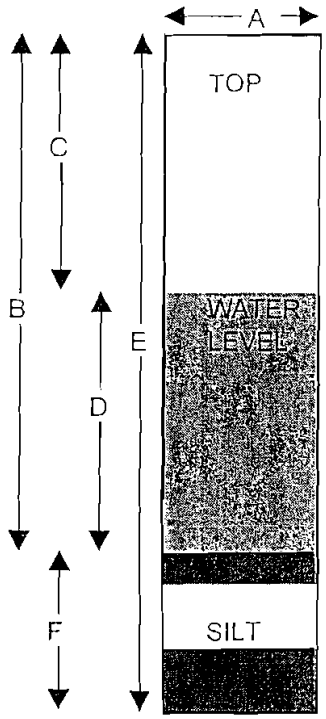
Condition of Well: Good

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	6.64	feet
D.	Length of Water Column (calculated)	15.76	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	2.52	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	7.56	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	10/9/2007	10/10/2007
Time	10:10 AM	9:15 AM
EH	-166	-76
Temperature	15 c	14.6 c
pH	9.31	8.25
Specific Cond.	1373	939
Turbidity	14.2	13.7
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	slightly cloudy

% Recharge:

Initial Depth to Water 6.64 feet

Recharge Depth to Water 6.69 feet

2nd water column height 99.6827 %

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: 60 f foggy 58 f sunny

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

ULI ID No. (enter by lab)

Well ID.: MW-6B

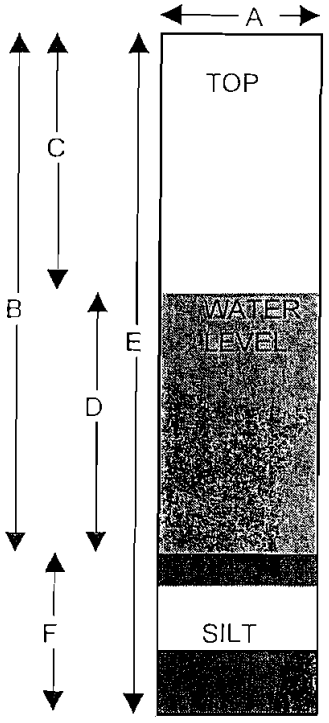
Condition of Well: Good

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	14.34	feet
D.	Length of Water Column (calculated)	26.41	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	4.23	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	12.68	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	10/9/2007	10/10/2007
Time	11:45 AM	10:40 AM
EH	-79	-57
Temperature	14 c	14.8 c
pH	8.3	7.82
Specific Cond.	217	810
Turbidity	10.1	12.5
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	14.34	feet
Recharge Depth to Water	14.45	feet
2nd water column height	99.5835	%
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: 63 f cloudy 64 f sunny

Observations: MSD

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-7A

ULI ID No. (enter by lab)

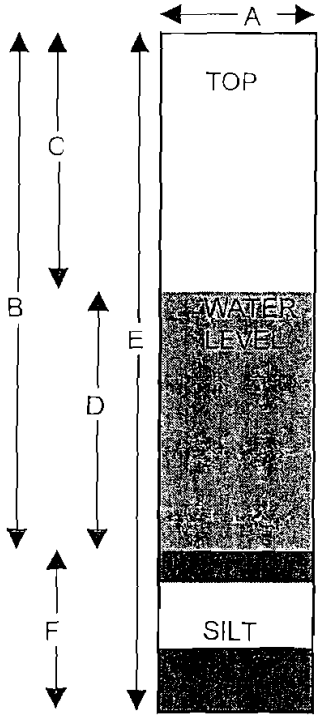
Condition of Well: Good

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	3.36	feet
D.	Length of Water Column (calculated)	18.84	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	3.01	gallons
	No. of Volumes to be Evacuated	X3	------
	Total Volume to be Evacuated	9.04	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	10/9/2007	10/10/2007
Time	11:04 AM	9:52 AM
EH	-58	-24
Temperature	15.6 c	15.2 c
pH	7.85	7.11
Specific Cond.	567	972
Turbidity	14.6	48.1
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	cloudy

% Recharge:

Initial Depth to Water 3.36 feet

Recharge Depth to Water 3.38 feet

2nd water column height 99.8938 %

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: 60 f cloudy 60 f sunny

Observations:

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

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only U0710280	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks 93 REGS ASP- B
MW-1A	10 ~~8~~/9/2007	10:24am	WATER	GRAB	-1	2	X										
MW-1B	10 ~~8~~/9/2007	10:30am	WATER	GRAB	-2	2	X										
MW-2A	10 ~~08~~/09/07	11:24am	WATER	GRAB	-3	2	X										
MW-2B	10 ~~08~~/09/07	11:23am	WATER	GRAB	-4	2	X										
MW-3A	10 ~~08~~/09/07	10:10am	WATER	GRAB	-5	2	X										
MW-6B	10 ~~08~~/09/07	11:45am	WATER	GRAB	-6	3 ~~2~~	X										MSD
MW-7A	10 ~~08~~/09/07	11:04am	WATER	GRAB	-7	2	X										
MW-1B DUPE	10 ~~08~~/09/07	10:30am	WATER	GRAB	-8	2	X										
ULI TRIP BLANK (20071001A)	10 ~~08~~/09/07	8:00am	WATER	GRAB	-9	1	X										ID-20071001A
(Holding Blank)	(10-9-07)	(1900)	(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): Justin Gibson
Company: ULI

Name of Courier:

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

Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
Justin Gibson	10/9/07	1:30p	[signature]

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Upstate Laboratories, Inc.

Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
(315) 437 0255 Fax 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 U0710280	No. of Containers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Remarks 93 REGS ASP-B
MW-1A	10/10/07	9:29a	WATER	GRAB	-11	7	X	X	X	X	X	X	X	X			
MW-1B	↓	9:36a	WATER	GRAB	-12	7	X	X	X	X	X	X	X	X			
MW-2A	↓	10:19a	WATER	GRAB	-13	7	X	X	X	X	X	X	X	X			
MW-2B	↓	10:12a	WATER	GRAB	-14	7	X	X	X	X	X	X	X	X			
MW-3A	↓	9:15a	WATER	GRAB	-15	7	X	X	X	X	X	X	X	X			
MW-6B	↓	10:40a	WATER	GRAB	-16	7	X	X	X	X	X	X	X	X			MS/MSD
MW-7A	↓	9:52a	WATER	GRAB	-17	7	X	X	X	X	X	X	X	X			
MW-1B Dupe	↓	9:36a	WATER	GRAB	-18	7		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,	PLASTIC	500ml	HNO3
B,MN,HG,NA,NI,K,SE*,AG,TL*,V,ZN + HARDNESS	"	"	"
9) D-AL,SB*,AS*,BA,BE,CD,CA,CR,CO,CU,FE,PB*,MG,	PLASTIC	500ml	HNO3
B,MN,HG,NA,NI,K,SE*,AG,TL*,V,ZN	"	"	"
10)			

Sampled by (Print): Justin Gibson
Company: ULI

Name of Courier:

Relinquished by: (sign)	Date	Time	Received by: (sign)
Justin Gibson	10/10/07	3:45p	Rec'd for Lab by: [signature]

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
Temp	(deg C)	--	--	8.5	12.8	19.5	15.9	9.3	6.7	21.6	16
Eh	(mV)	--	--	700	105	190	170	59	-107	-111	-68
pH	(Std Units)	--	--	7.8	7.7	7.52	7.69	8.29	7.93	7.83	8.01
Sp. Cond	(uS/cm)	--	--	306	355	353	369	204	221	241	658
Color	(Units)	5	20	--	--	<5	--	--	--	--	30
Turbidity	(NTU)	--	--	660	73	131	29	55.6	34.8	24.3	28.1
ALK as CaCO3	(mg/l)	160	145	127	139	122	132	140	120	120	130
HARD as CaCO3	(mg/l)	4000	240	167	140	148	148	134	153	148	146
TDS	(mg/l)	494	214	340	213	236	229	127	208	250	204
Chloride	(mg/l)	152	46	21.3	22.2	34.2	26.7	28.7	27	27	27.9
Sulfate	(mg/l)	20.6	14.6	27.3	12.3	16.5	14.9	8.79	14.2	48.6	11.2
Bromide	(mg/l)	1.2	0.8	< 0.1	<0.1	<0.1	0.117	<0.2	<0.2	<0.2	<0.2
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
NH4 (As N)	(mg/l)	6	2.6	0.276	<0.02	0.161	<0.1	<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
COD	(mg/l)	305	64	< 10	<10	<10	<10	<20	<20	<20	<20
BOD	(mg/l)	5	<2	< 3	<3	<3	<3	<4	<4	<4	<4
TOC	(mg/l)	4.2	1.6	4.76	2.61	<2	<2	<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
Cyanide	(mg/l)	<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
Temp	(deg C)	--	--	5	11.4	16.4	15.8	9.6	7.2	21.5	16.3
Eh	(mV)	--	--	385	45	155	115	84	-122	-143	-80
pH	(Std Units)	--	--	7.7	7.8	7.69	7.9	8.47	8.24	8.03	8.28
Sp. Cond	(uS/cm)	--	--	157	257	244	200	156	141	1241	943
Color	(Units)	<5	<5	--	--	<5	--	--	--	--	30
Turbidity	(NTU)	--	--	187	45	70	15.6	67.4	9.62	10.2	22.8
ALK as CaCO3	(mg/l)	94.8	93.6	92	94	91	89	99	96	100	100
HARD as CaCO3	(mg/l)	88	140	97.6	81.9	89	82	83.6	105	104	90.8
TDS	(mg/l)	143	86	120	111	142	120	62	162	130	104
Chloride	(mg/l)	<2	<2	2.55	2.28	3.47	0.611	3.24	4.45	3.16	6.44
Sulfate	(mg/l)	5.2	<5	4.72	5.51	5.33	3.76	7.09	6.31	28.8	5.26
Bromide	(mg/l)	<0.5	<0.5	< 0.1	<0.1	<0.1	<0.1	<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
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
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
COD	(mg/l)	<15	<15	< 10	<10	<10	<10	<20	<20	<20	<20
BOD	(mg/l)	<2	<2	< 3	<3	<3	<3	<4	<4	<4	<4
TOC	(mg/l)	9.3	<1	5.41	2.34	<2	<2	<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
Cyanide	(mg/l)	--	--	--	--	<0.01	--	--	--	--	<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
Temp	(deg C)	--	--	4.4	11.6	17.2	14.2	9.2	7.7	18	14.6
Eh	(mV)	--	--	140	-5	120	90	136	-62	-81	-25
pH	(Std Units)	--	--	6.4	6.4	6.15	6.41	7.31	7.14	7.41	7.12
Sp. Cond	(uS/cm)	--	--	621	767	784	1100	364	450	395	574
Color	(Units)	30	60	--	--	33	--	--	--	--	210
Turbidity	(NTU)	--	--	18.6	18.3	195	27	48.9	30.7	15	5.07
ALK as CaCO3	(mg/l)	702	784	330	355	384	423	380	320	420	290
HARD as CaCO3	(mg/l)	1300	720	241	260	265	301	225	262	275	165
TDS	(mg/l)	1180	986	381	397	491	487	262	355	395	284
Chloride	(mg/l)	156	149	23.3	25.7	23.5	25.7	21.2	14.7	24.4	10.6
Sulfate	(mg/l)	<5	<5	4.22	5.5	3.43	3.18	<5	<5	<10	9.93
Bromide	(mg/l)	0.8	<0.5	0.189	0.18	0.237	0.261	<0.2	<0.2	<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
NH4 (As N)	(mg/l)	23	9.1	10.6	18.4	16	15.1	10.2	9.89	14.1	13.5
TKN (as N)	(mg/l)	31.5	21.2	10.6	14 H	16.5	15	132	12.5	16.1	12.6
COD	(mg/l)	127	136	< 10	13.8	27	15.6	<20	<20	46	22
BOD	(mg/l)	6	3	16	4.5	3.4	<3	6	7	7	<4
TOC	(mg/l)	42.5	24.1	10.1	7.18	5.67	5.68	6.7	4.8	7.3	6.3
Phenolics, Tot	(mg/l)	0.0071	0.0066	< 0.005	0.008	<0.005	<0.005	<0.005	0.01	<0.005	<0.005
Cyanide	(mg/l)	<0.01	<0.01	--	--	<0.01	--	--	--	--	<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
Temp	(deg C)	--	--	4.5	10.5	15.9	14.5	9.1	8.3	16.5	15.8
Eh	(mV)	--	--	175	110	125	115	136	-73	-77	-34
pH	(Std Units)	--	--	6.4	6.4	6.35	6.52	7.14	7.35	7.37	7.35
Sp. Cond	(uS/cm)	--	--	1350	1560	1420	1540	701	682	500	329
Color	(Units)	5	10	--	--	<5	--	--	--	--	15
Turbidity	(NTU)	--	--	17.3	19.8	18.7	28	14.2	11	9.48	37
ALK as CaCO3	(mg/l)	577	673	652	670	612	646	650	480	600	640
HARD as CaCO3	(mg/l)	960	900	697	726	686	675	723	575	716	652
TDS	(mg/l)	1640	1230	982	1020	1040	980	825	823	935	868
Chloride	(mg/l)	267	238	145	154	122	121	167	131	163	161
Sulfate	(mg/l)	<5	<5	1.18	2.96	<1	<1	<5	<5	10	<5
Bromide	(mg/l)	1.1	0.9	0.878	1.01	0.902	0.912	0.95	<2	<2	0.92
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
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
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
COD	(mg/l)	58	61	< 10	17.2	24.6	27	21	<20	<20	<20
BOD	(mg/l)	2	2	9.3	5.1	3.7	13	<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
Phenolics, Tot	(mg/l)	0.0044	0.0039	< 0.005	<0.005	<0.005	0.1	<0.005	0.006	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	0.024	--	--	--	--	<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
Temp	(deg C)	--	--	6.4	11.7	15.3	15.7	9.3	5.6	17.9	14.6
Eh	(mV)	--	--	215	45	115	220	-50	-94	-115	-76
pH	(Std Units)	--	--	7.2	6.9	7.01	6.84	7.82	7.64	7.84	8.25
Sp. Cond	(uS/cm)	--	--	286	299	342	397	143	898	1757	939
Color	(Units)	<5	<5	--	--	<5	--	--	--	--	115
Turbidity	(NTU)	--	--	58	11.9	5.2	7.2	10.6	19.6	16.4	13.7
ALK as CaCO3	(mg/l)	145	146	162	170	140	152	82	59	170	130
HARD as CaCO3	(mg/l)	1250	200	153	179	191	158	74	58.1	150	86.2
TDS	(mg/l)	320	269	215	208	207	207	38	168	210	144
Chloride	(mg/l)	31.4	28.7	14	12.7	13.5	12.7	3.37	1.8	12	5.73
Sulfate	(mg/l)	16	13	9.14	11	9.98	8.01	<5	<5	20.5	<5
Bromide	(mg/l)	0.5	<0.5	< 0.1	<0.1	0.152	0.143	1.2	<2	<0.2	<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
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
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
COD	(mg/l)	19	<15	< 10	<10	13	<10	47	<20	<20	<20
BOD	(mg/l)	<2	<2	< 3	<3	<3	<3	<4	8	<4	<4
TOC	(mg/l)	4.5	1.9	5.58	<2	<2	<2	<3	<3	<3	3.7
Phenolics, Tot	(mg/l)	0.0027	<0.001	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	<0.01	--	--	--	--	<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
Temp	(deg C)	--	--	7.9	10.5	12.2	14.3	9.7	7.4	15.6	14.8
Eh	(mV)	--	--	250	85	225	180	82	-92	-105	-57
pH	(Std Units)	--	--	6.7	7.4	7.52	7.11	8.04	7.73	7.85	7.82
Sp. Cond	(uS/cm)	--	--	347	287	304	329	220	249	236	810
Color	(Units)	<5	20	--	--	<5	--	--	--	--	6
Turbidity	(NTU)	--	--	40	19.9	15.8	14.2	68.9	8.1	9.48	12.5
ALK as CaCO3	(mg/l)	240	224	131	148	154	153	180	160	150	140
HARD as CaCO3	(mg/l)	300	240	135	144	131	133	156	139	138	124
TDS	(mg/l)	98	280	209	175	190	187	127	105	220	208
Chloride	(mg/l)	38.2	35	21.1	2.33	2.32	3.39	11.6	6.99	13.8	25.9
Sulfate	(mg/l)	27.1	22.2	13.8	3.95	3.28	6.14	8.54	6.79	17.3	12.7
Bromide	(mg/l)	<0.5	<0.5	< 0.1	<0.1	0.122	<0.1	<0.2	<0.2	<0.2	<0.2
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
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
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
COD	(mg/l)	40	19	< 10	<10	11.6	<10	<20	<20	<20	<20
BOD	(mg/l)	<2	2	< 3	5.1	3.2	<3	<4	<4	<4	<4
TOC	(mg/l)	6	5.8	5.22	3.14	<2	<2	<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
Cyanide	(mg/l)	--	--	--	--	<0.01	--	--	--	--	<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
Temp	(deg C)	--	--	4.5	11.6	17.4	13.9	9.3	7.8	18.8	15.2
Eh	(mV)	--	--	215	120	245	190	77	-64	-69	-24
pH	(Std Units)	--	--	6.5	6.4	6.34	6.62	7.04	7.12	7.2	7.11
Sp. Cond	(uS/cm)	--	--	1360	1520	1440	1480	893	765	514	972
Color	(Units)	20	5	--	--	<5	--	--	--	--	85
Turbidity	(NTU)	--	--	214	18	13.6	42	45.3	54.3	40.9	48.1
ALK as CaCO3	(mg/l)	569	660	648	675	595	635	640	510	530	540
HARD as CaCO3	(mg/l)	1010	1150	627	599	531	526	529	499	481	459
TDS	(mg/l)	1220	1240	981	967	963	949	753	865	3000	752
Chloride	(mg/l)	300	276	144	143	119	85	145	131	145	141
Sulfate	(mg/l)	27.4	20.2	20.6	22.5	19.7	14.1	16.5	23.2	22.7	17.8
Bromide	(mg/l)	0.6	<0.5	0.753	0.633	0.822	0.483	0.6	<0.2	<2	<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
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
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
COD	(mg/l)	43	112	21.2	16.5	26.4	20.5	27	<20	<20	<20
BOD	(mg/l)	<2	2	< 3	<3	<3	<3	<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
Phenolics, Tot	(mg/l)	0.0051	0.0027	< 0.005	0.007	<0.005	<0.005	<0.005	0.006	0.007	<0.005
Cyanide	(mg/l)	<0.01	<0.01	--	--	<0.01	--	--	--	--	<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
Aluminum	724	16.9	--	--	2.96	--	--	--	--	2.07
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015
Arsenic	0.353	0.0134	--	--	<0.025	--	--	--	--	<0.01
Barium	8.11	0.258	--	--	0.104	--	--	--	--	0.0917
Beryllium	0.0287	0.00083 B	--	--	<0.005	--	--	--	--	<0.003
Boron	0.0873 B	0.0665 B	--	--	0.073	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<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
Chromium	1.04	0.0265	--	--	<0.005	--	--	--	--	<0.005
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01
Cobalt	0.59	0.0168 B	--	--	<0.015	--	--	--	--	<0.02
Copper	0.996	0.0254	--	--	0.022	--	--	--	--	<0.01
Iron	1550	35.7	19.4	2.99	6.03	2.11	1.67	2.14	1.21	3.49
Lead	0.454	0.0123	0.00716	0.007	<0.005	<0.005	<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
Manganese	24.6	0.783	0.534	0.194	0.38	0.306	0.19	0.193	0.206	0.203
Mercury	0.0014	<0.0001	--	--	<0.0004	--	--	--	--	<0.0002
Nickel	1.33	0.0364 B	--	--	<0.01	--	--	--	--	<0.03
Potassium	77.5	6.97	2.72	1.6	1.7	1.62	1.74	2.31	1.59	2.06
Sodium	37.3	26	17.1	13	13.6	13.5	12.2	12.5	13	11.8
Selenium	<0.028	<0.0028	--	--	<0.02	--	--	--	--	<0.005
Silver	<0.009	<0.0009	--	--	<0.015	--	--	--	--	<0.01
Thallium	<0.026	<0.0026	--	--	<0.03	--	--	--	--	<0.01
Vanadium	0.856	0.0243 B	--	--	<0.015	--	--	--	--	<0.03
Zinc	3.36	0.0874	--	--	0.106	--	--	--	--	0.0235

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
Aluminum	0.662	0.134 B	--	--	1.09	--	--	--	--	0.537
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015
Arsenic	<0.0024	<0.0024	--	--	<0.025	--	--	--	--	<0.01
Barium	0.168 B	0.154 B	--	--	0.194	--	--	--	--	0.172
Beryllium	0.0001 B	<0.0001	--	--	<0.005	--	--	--	--	<0.003
Boron	0.0197 B	0.0247 B	--	--	<0.05	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	26.7	24.7	26.8	23.9	25.8	24.1	23.7	30	29.9	26
Chromium	0.002 B	<0.0004	--	--	<0.005	--	--	--	--	<0.005
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01
Cobalt	<0.0011	<0.0011	--	--	<0.015	--	--	--	--	<0.02
Copper	0.004 B	0.0025 B	--	--	0.017	--	--	--	--	<0.01
Iron	1.33	0.226	9.42	1.48	1.84	0.273	2.39	0.508	0.465	0.73
Lead	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	0.00431	<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
Manganese	0.195	0.146	2.28	0.191	0.251	0.126	0.521	0.169	0.19	0.176
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002
Nickel	<0.0013	<0.0013	--	--	<0.01	--	--	--	--	<0.03
Potassium	1.56 B	0.529 B	0.973	0.468	0.523	0.374	<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
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01
Vanadium	<0.0012	<0.0012	--	--	<0.015	--	--	--	--	<0.03
Zinc	0.0351	0.0163 B	--	--	0.052	--	--	--	--	0.0168

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
Aluminum	79.3	59.1	--	--	0.43	--	--	--	--	0.444
Antimony	0.0049 B	<0.003	--	--	<0.05	--	--	--	--	<0.015
Arsenic	0.0631	0.0537	--	--	<0.025	--	--	--	--	<0.01
Barium	1.75	1.49	--	--	0.502	--	--	--	--	0.265
Beryllium	0.0037 B	0.0025 B	--	--	<0.005	--	--	--	--	<0.003
Boron	1.21	0.961	--	--	0.584	--	--	--	--	<0.5
Cadmium	<0.0003	0.0016 B	<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
Chromium	0.112	0.0967	--	--	<0.005	--	--	--	--	<0.005
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.02
Cobalt	0.0719	0.0628	--	--	<0.015	--	--	--	--	<0.02
Copper	0.104	0.0779	--	--	0.012	--	--	--	--	<0.01
Iron	154	131	8.29	24	6.5	10.1	10.8	6.86	7.67	4.95
Lead	0.0561	0.0436	<0.005	0.019	<0.005	0.006	0.00524	<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
Manganese	35.7	31.6	12.2	11.5	12	13.6	9.93	11.7	12.7	7.05
Mercury	<0.0001	<0.0001	--	--	<0.0004	--	--	--	--	<0.0002
Nickel	0.151	0.132	--	--	<0.01	--	--	--	--	<0.03
Potassium	23.4	17	9.29	11.2	12.3	12.7	9.02	10.8	13.3	2.14
Sodium	119	102	26.3	25.2	31.4	31.4	19.5	22.9	26.1	13.8
Selenium	<0.0028	<0.0028	--	--	<0.02	--	--	--	--	<0.005
Silver	0.0024 B	0.0014 B	--	--	<0.015	--	--	--	--	<0.01
Thallium	0.004 B	<0.0026	--	--	<0.03	--	--	--	--	<0.01
Vanadium	0.102	0.0866	--	--	<0.015	--	--	--	--	<0.03
Zinc	0.4	0.278	--	--	<0.01	--	--	--	--	<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
Aluminum	2.03	5.31	--	--	0.18	--	--	--	--	<0.1
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015
Arsenic	0.007 B	0.0083 B	--	--	<0.025	--	--	--	--	<0.01
Barium	1.59	1.36	--	--	1.22	--	--	--	--	1.09
Beryllium	0.00023 B	0.00037 B	--	--	<0.005	--	--	--	--	<0.003
Boron	0.355	0.292	--	--	0.256	--	--	--	--	<0.5
Cadmium	0.0003 B	<0.0003	<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
Chromium	0.004 B	0.0086 B	--	--	<0.005	--	--	--	--	<0.005
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01
Cobalt	0.0091 B	0.0141 B	--	--	<0.015	--	--	--	--	<0.02
Copper	0.0069 B	0.0118 B	--	--	0.017	--	--	--	--	<0.01
Iron	4.3	10.7	0.913	0.836	1.2	1.07	0.637	0.469	0.468	0.323
Lead	0.0044	0.0058	<0.005	0.009	<0.005	<0.005	<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
Manganese	8.24	7.43	6.98	6.8	6.63	6.46	6.42	4.93	6.6	5.7
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002
Nickel	0.0129 B	0.0188 B	--	--	<0.01	--	--	--	--	<0.03
Potassium	3 B	2.9 B	2.42	2.25	2.28	2.38	2.74	2.14	2.44	<1
Sodium	64.1	53.9	53.8	49.7	51.1	51	50.9	40.8	52.3	48.2
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01
Thallium	0.0037 B	<0.0026	--	--	<0.03	--	--	--	--	<0.01
Vanadium	0.0029 B	0.0075 B	--	--	<0.015	--	--	--	--	<0.03
Zinc	0.103	0.0484	--	--	<0.01	--	--	--	--	0.0469

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
Aluminum	21.7	2.39	--	--	0.078	--	--	--	--	0.33
Antimony	<0.003	0.0034 B	--	--	<0.05	--	--	--	--	<0.015
Arsenic	0.0127	<0.0024	--	--	<0.025	--	--	--	--	<0.01
Barium	0.567	0.343	--	--	0.41	--	--	--	--	0.332
Beryllium	0.001 B	0.00013 B	--	--	<0.005	--	--	--	--	<0.003
Boron	<0.0709	0.0286 B	--	--	0.063	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<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
Chromium	0.0249	0.0022 B	--	--	<0.005	--	--	--	--	<0.005
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01
Cobalt	0.0121 B	0.0019 B	--	--	<0.015	--	--	--	--	<0.02
Copper	0.0315	0.0076 B	--	--	0.023	--	--	--	--	<0.01
Iron	26.6	3.58	1.88	0.626	0.104	0.283	1.18	0.599	0.231	0.537
Lead	0.0077	<0.001	<0.005	0.005	0.005	<0.005	<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
Manganese	0.732	0.174	0.208	0.175	0.416	0.176	0.415	0.501	0.116	0.287
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002
Nickel	0.0248 B	0.0038 B	--	--	<0.01	--	--	--	--	<0.03
Potassium	7.43	1.87 B	0.938	0.829	1.09	0.937	<1	<1	<1	<1
Sodium	10.4	6.54	5.66	6.4	8.92	6.03	2.11	1.14	5.1	2.64
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01
Vanadium	0.0296 B	0.0039 B	--	--	<0.015	--	--	--	--	<0.03
Zinc	0.112	0.0265	--	--	0.025	--	--	--	--	0.0106

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
Aluminum	8.59	0.642	--	--	0.115	--	--	--	--	0.102
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015
Arsenic	0.009 B	0.0084 B	--	--	<0.025	--	--	--	--	<0.01
Barium	0.521	0.48	--	--	0.313	--	--	--	--	0.301
Beryllium	0.0004 B	0.0001 B	--	--	<0.005	--	--	--	--	<0.003
Boron	0.145	0.145	--	--	<0.05	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<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
Chromium	0.0092 B	0.0017 B	--	--	<0.005	--	--	--	--	<0.005
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01
Cobalt	0.0112 B	0.0056 B	--	--	<0.015	--	--	--	--	<0.02
Copper	0.0116 B	0.0051 B	--	--	0.016	--	--	--	--	<0.01
Iron	10.6	3	1.09	0.511	0.306	0.195	1.87	0.486	0.163	0.216
Lead	0.0044	<0.001	<0.005	<0.005	<0.005	<0.005	<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
Manganese	3.43	4.17	0.559	0.12	0.297	0.185	0.331	0.0908	0.671	0.712
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002
Nickel	0.0144 B	0.0059 B	--	--	<0.01	--	--	--	--	<0.03
Potassium	4.08 B	2.72 B	1.15	0.825	0.634	0.69	1.05	<1	<1	<1
Sodium	38	31.4	14.9	9.93	10.1	10.7	11.2	10.2	15	14.7
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01
Vanadium	0.0083 B	0.0012 B	--	--	<0.015	--	--	--	--	<0.03
Zinc	0.0894	0.0248	--	--	0.014	--	--	--	--	0.0213

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
Aluminum	40	88.4	--	--	0.415	--	--	--	--	2.43
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015
Arsenic	0.0176	0.0459	--	--	<0.025	--	--	--	--	<0.01
Barium	1.36	1.99	--	--	0.684	--	--	--	--	0.576
Beryllium	0.0015 B	0.0037 B	--	--	<0.005	--	--	--	--	<0.003
Boron	0.332	0.41	--	--	0.55	--	--	--	--	0.65
Cadmium	0.00047 B	0.002 B	<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
Chromium	0.0556	0.146	--	--	<0.005	--	--	--	--	<0.005
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01
Cobalt	0.0311	0.0791	--	--	<0.015	--	--	--	--	<0.02
Copper	0.0637	0.129	--	--	0.013	--	--	--	--	<0.01
Iron	65.9	174	14.5	1.33	0.722	2.78	1.68	1.52	9.97	3.65
Lead	0.0251	0.0585	0.0175	0.009	0.006	<0.005	<0.003	<0.003	0.00656	<0.003
Magnesium	67	88.3	48.6	45.5	38	38	38.4	36.4	35	32.1
Manganese	5.87	9.55	6.08	5.69	4.4	4.85	4.51	4.18	3.98	3.47
Mercury	<0.0001	<0.0001	--	--	<0.0004	--	--	--	--	<0.0002
Nickel	0.0783	0.192	--	--	0.013	--	--	--	--	<0.03
Potassium	10.4	13.5	3.06	1.91	1.81	2.03	2.03	1.95	2.87	<1
Sodium	118	113	134	129	124	128	112	104	95.8	95.2
Selenium	0.0041 B	0.0047 B	--	--	<0.02	--	--	--	--	<0.005
Silver	<0.0009	<0.0009	--	--	<0.015	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01
Vanadium	0.0487 B	0.127	--	--	<0.015	--	--	--	--	<0.03
Zinc	0.2	0.408	--	--	<0.01	--	--	--	--	0.0263

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
Aluminum	<0.0083	0.0755 B	--
Antimony	--	--	--
Arsenic	<0.0024	<0.0024	--
Barium	0.822	0.887	--
Beryllium	0.0001 B	<0.0001	--
Boron	0.331	0.396	--
Cadmium	0.0003 B	<0.0003	<0.005
Calcium	220	255	158
Chromium	0.0008 B	0.0011 B	--
Chrom, Hex	--	--	--
Cobalt	0.0017 B	0.0031 B	--
Copper	0.0086 B	<0.0007	--
Iron	0.009 B	0.753	0.0637
Lead	<0.001	<0.001	<0.005
Magnesium	56.2	59.9	43.6
Manganese	4.53	7.12	5.35
Mercury	<0.0001	<0.0001	--
Nickel	0.0129 B	0.0196 B	--
Potassium	5.28	3.98 B	1.9
Sodium	120	129	126
Selenium	--	--	--
Silver	--	--	--
Thallium	<0.0026	<0.0026	--
Vanadium	<0.0012	<0.0012	--
Zinc	0.0455	0.0186	--

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
Vinyl Chloride	VOC	<10	<10	<5	<5
Chloroethane	VOC	<10	<10	<5	<5
Acetone	VOC	10	<10	<25	<10
Methylene Chloride	VOC	<10	<10	<5	<5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5
1,1-Dichloroethane	VOC	<10	<10	<5	<5
Benzene	VOC	<10	<10	<5	<5
Toluene	VOC	<10	<10	<5	<5
Chlorobenzene	VOC	<10	<10	<5	<5
Ethylbenzene	VOC	<10	<10	<5	<5
Xylenes(total)	VOC	<10	<10	<10	<5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5
Diethylphthalate	SVOC	<10	<10	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	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
Vinyl Chloride	VOC	<10	<10	<5	<5
Chloroethane	VOC	<10	<10	<5	<5
Acetone	VOC	<10	<10	<25	<10
Methylene Chloride	VOC	<10	<10	<5	<5
trans-1,2-Dichloroethene	VOC	<10	<10	<5	<5
cis-1,2-Dichloroethene	VOC	<10	<10	<5	<5
1,1-Dichloroethane	VOC	<10	<10	<5	<5
Benzene	VOC	<10	<10	<5	<5
Toluene	VOC	<10	<10	<5	<5
Chlorobenzene	VOC	<10	<10	<5	<5
Ethylbenzene	VOC	<10	<10	<5	<5
Xylenes(total)	VOC	<10	<10	<10	<5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5
Diethylphthalate	SVOC	<10	<10	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	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
Vinyl Chloride	VOC	<10	<10	<5	<5
Chloroethane	VOC	5 J	4 J	<5	<5
Acetone	VOC	<10	<10	<25	<10
Methylene Chloride	VOC	1 JB	<10	<5	<5
trans-1,2-Dichloroethene	VOC	<10	<10	<5	<5
cis-1,2-Dichloroethene		<10	<10	<5	<5
1,1-Dichloroethane	VOC	<10	<10	<5	<5
Benzene	VOC	5 J	6 J	<5	<5
Toluene	VOC	1 J	<10	<5	<5
Chlorobenzene	VOC	5 J	<10	<5	4 J
Ethylbenzene	VOC	2 J	<10	<5	<5
Xylenes(total)	VOC	5 J	<10	<10	<5
1,4-Dichlorobenzene	SVOC	1 J	2 J	<5	<5
Diethylphthalate	SVOC	<10	1 J	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	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
Vinyl Chloride	VOC	<10	<10	<5	5.8
Chloroethane	VOC	4 J	3 J	<5	4 J
Acetone	VOC	<10	<10	<25	<10
Methylene Chloride	VOC	1 JB	<10	<5	<5
trans-1,2-Dichloroethene	VOC	1 J	<10	<5	<5
cis-1,2-Dichloroethene	VOC	1 J	<10	6.2	9.2
1,1-Dichloroethane	VOC	1 J	1 J	<5	<5
Benzene	VOC	<10	2 J	<5	<5
Toluene	VOC	<10	<10	<5	<5
Chlorobenzene	VOC	<10	1 J	<5	<5
Ethylbenzene	VOC	<10	<10	<5	<5
Xylenes(total)	VOC	<10	<10	<10	<5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5
Diethylphthalate	SVOC	<10	<10	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	1 JB	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
Vinyl Chloride	VOC	<10	<10	<5	<5
Chloroethane	VOC	<10	<10	<5	<5
Acetone	VOC	2 J	<10	<25	<10
Methylene Chloride	VOC	5 JB	<10	<5	<5
trans-1,2-Dichloroethene	VOC	<10	<10	<5	<5
cis-1,2-Dichloroethene	VOC	<10	<10	<5	<5
1,1-Dichloroethane	VOC	<10	<10	<5	<5
Benzene	VOC	<10	<10	<5	<5
Toluene	VOC	<10	<10	<5	<5
Chlorobenzene	VOC	<10	<10	<5	<5
Ethylbenzene	VOC	<10	<10	<5	<5
Xylenes(total)	VOC	<10	<10	<10	<5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5
Diethylphthalate	SVOC	<10	<10	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	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
Vinyl Chloride	VOC	<10	<10	<5	<5
Chloroethane	VOC	<10	<10	<5	<5
Acetone	VOC	<10	<10	<25	<10
Methylene Chloride	VOC	<10	<10	<5	<5
trans-1,2-Dichloroethene	VOC	<10	<10	<5	<5
cis-1,2-Dichloroethene		<10	<10	<5	<5
1,1-Dichloroethane	VOC	<10	<10	<5	<5
Benzene	VOC	<10	<10	<5	<5
Toluene	VOC	<10	<10	<5	<5
Chlorobenzene	VOC	<10	<10	<5	<5
Ethylbenzene	VOC	<10	<10	<5	<5
Xylenes(total)	VOC	<10	<10	<10	<5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5
Diethylphthalate	SVOC	<10	<10	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	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
Vinyl Chloride	VOC	2 J	5 J	<5	4 J
Chloroethane	VOC	<10	1 J	<5	<5
Acetone	VOC	<10	<10	<25	<10
Methylene Chloride	VOC	1 JB	<10	<5	<5
trans-1,2-Dichloroethene	VOC	1 J	2 J	<5	<5
cis-1,2-Dichloroethene		1 J	2 J	7.1	6.1
1,1-Dichloroethane	VOC	3 J	4 J	6.1	5 J
Benzene	VOC	<10	<10	<5	<5
Toluene	VOC	<10	<10	<5	<5
Chlorobenzene	VOC	<10	<10	<5	<5
Ethylbenzene	VOC	<10	<10	<5	<5
Xylenes(total)	VOC	<10	<10	<10	<5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5
Diethylphthalate	SVOC	<10	<10	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	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