TOWN OF HUNTINGTON

FRANK P. PETRONE, *Supervisor*

ENVIRONMENTAL WASTE MANAGEMENT

September 4, 2007

Mr. John Strang, P.E.
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, 11th Floor
625 Broadway
Albany, New York 12233-7014

RECEIVED
SEP - 5 2007
REMEDIAL BUREAU A

Re: Huntington/East Northport Landfill; NYSDEC Site #1-52-040

Dear Mr. Strang,

As required by the Record of Decision for the above referenced site, transmitted herewith please find copies of the "Landfill Gas and Control System Monitoring Report" for the East Northport Landfill for the months of May 2007, June 2007, and ~~April~~ July 2007, a copy of the semi-annual "Groundwater and Surface Water Sampling & Analysis Report" for the East Northport Landfill dated July 2007, and a copy of the *East Northport Landfill Quarterly Site Inspection Report* for the third quarter of CY2007.

Please do not hesitate to call me if you have any questions or comments regarding these documents.

Sincerely,

Robert Litzke
Environmental Analyst

RL:rl
Enclosed: 1.) Landfill Gas and Control System Monitoring Report, May 2007
2.) Landfill Gas and Control System Monitoring Report, June 2007
3.) Landfill Gas and Control System Monitoring Report, July 2007
4.) Groundwater and Surface Water Sampling & Analysis Report , July 2007
5.) *East Northport Landfill Quarterly Site Inspection Report,* 3rd Quarter - CY2007.

Cc: file (w/o encl.'s)
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Received. 09/05/07.
HRB

Groundwater and Surface Water
Sampling & Analysis
East Northport Landfill
East Northport, New York
July, 2007

Prepared for:

Town of Huntington Department of Environmental Waste Management
100 Main Street
Huntington, New York 11743

Prepared by:

R & C Formation, Ltd.
705 Bedford Ave., Suite 2B
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Section HA-1A

Tabulated comparison of historical analytical results in order as follows: CW1-S, CW1-M, CW2-M, CW4-S, CW4-M, EN1-M, EN6-S, EN6-M, EN7-M, EN9-M, EN10-M, SW-1, SW-2, SW-3, SW-4, SW-5, SW-6, SW-7

Figure

Summary Tables

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Groundwater and Surface Water Sampling & Analysis
East Northport Landfill
East Northport, New York
July, 2007

Introduction

This report presents the results of July, 2007 groundwater and surface water sampling and analyses performed as stipulated by the Record of Decision (ROD) for the East Northport Landfill Remedial Investigation/Feasibility Study. The ROD specifically requires the performance of "semi-annual sampling and analysis of eleven groundwater monitoring wells and seven surface water locations for leachate parameters." The location of each groundwater and surface water sampling point is illustrated in Figure 1. The scope-of-work performed each semi-annual event is presented below. A description of sampling methodology, quality assurance/quality control procedures, and a summary of analytical results follows.

Scope-of-Work

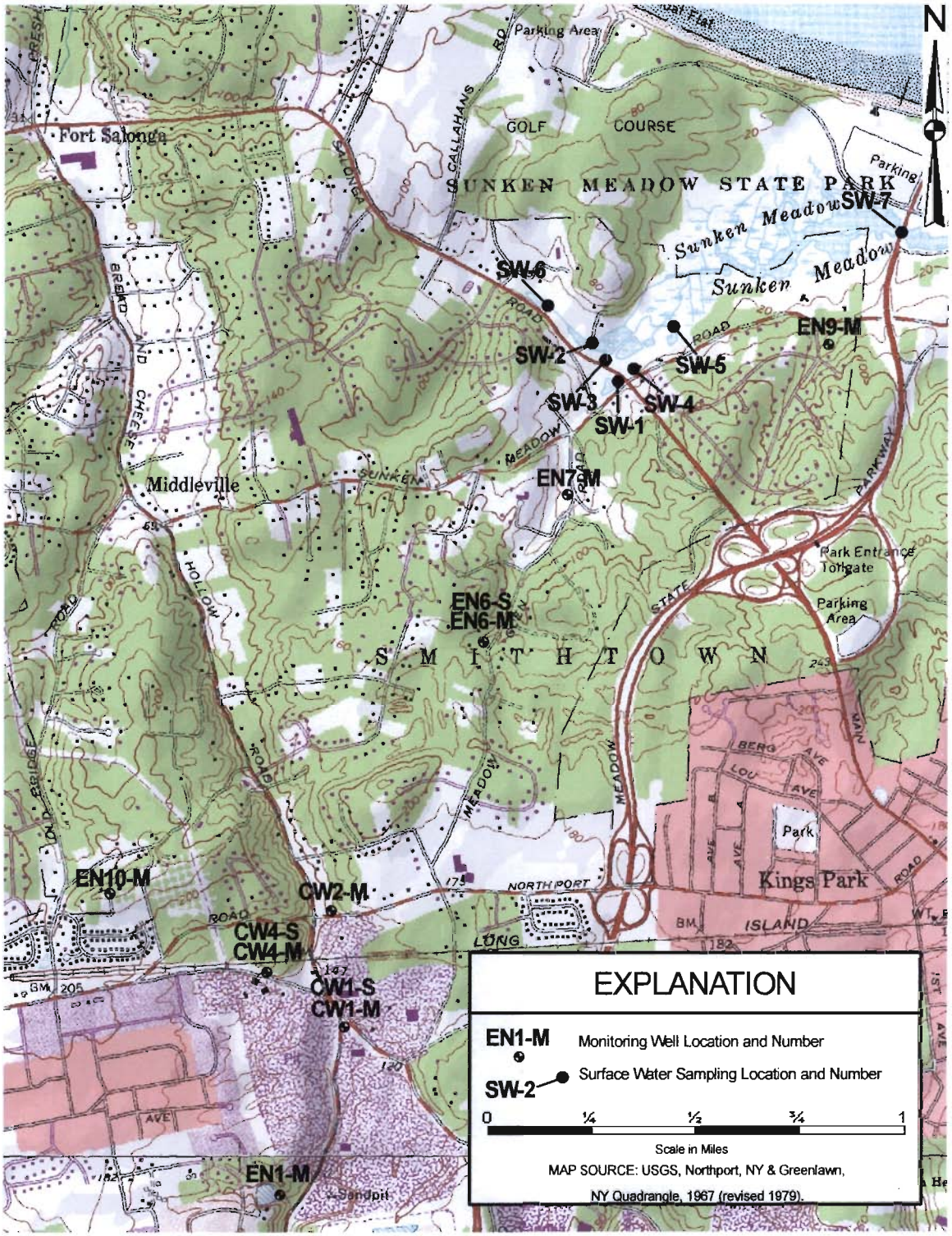
The scope-of-work includes performance of the following items:

1) sampling of groundwater from monitoring wells CW1-S, CW1-M, CW2-M, CW4-S, CW4-M, EN1-M, EN6-S, EN6-M, EN7-M, EN9-M, EN10-M and surface water from locations SW-1 through SW-7;

2) analyzing collected groundwater samples for *volatile organic compounds* by EPA method 624 with TCL parameter list and ASP category B reporting of data; *metals* (aluminum, arsenic, chromium, cadmium, calcium, iron, lead, magnesium, mercury, potassium, sodium); and *leachate indicators* (alkalinity/bicarbonate, ammonia, nitrate, chloride, TDS, hardness, sulfate);

3) analyzing collected surface water samples for *volatile organic compounds* and *leachate indicators* (as above); and

4) measuring and recording appropriate field data including temperature, pH, specific conductivity, dissolved oxygen, salinity and turbidity.



Groundwater and Surface Water Sampling Locations

East Northport Landfill Post Closure Water Sampling	Prepared By: RDH	Figure 1
	Reviewed By: RNC	August, 2006

Sampling Methodology

Groundwater sampling methodology includes purging a minimum of 3-5 casing volumes of water from each monitoring well - via a submersible centrifugal pump (Grundfos Redi-Flo2) with per-well dedicated tubing - prior to sample collection. During well-water purging activities, dissolved oxygen, specific conductivity, temperature, pH, salinity and turbidity are measured and recorded on a per-casing-volume basis. Groundwater samples are collected upon the stabilization of these values to within 10%. The Grundfos Redi-Flo2 is cleaned internally and externally with an Alconox and water solution, followed by two fresh water rinses, between each groundwater sampling location.

Surface water sampling methodology encompasses the submergence of laboratory-provided sample containers at each sampling point and the establishment of a smooth flow of water into them until filled. Furthermore, surface water samples are collected during a dry period (minimum of 3 days without precipitation prior to sampling) to minimize the influence of surface water runoff from adjacent land surfaces and roadways. Consequently, collected surface water samples reflect stream base-flow and, for the most part, the quality of groundwater.

Groundwater samples from monitoring wells CW1-S, CW1-M, CW2-M, EN1-M, EN6-S, EN6-M, EN7-M and EN9-M, were collected July 9, 2007. All seven surface water samples, as well as groundwater samples from monitoring wells CW4-S, CW4-M and EN10-M, were collected July 10, 2007. Upon the completion of sampling activities, collected samples were submitted under chain-of-custody control to New York State Department of Health certified TestAmerica Laboratories, Inc. for chemical analysis. A copy of the original laboratory "Sample Data Summary Package" is presented in Appendix 1.

Table 1 presents a summary of field data measured and recorded at groundwater and surface water sampling points. Data associated with groundwater samples reflects the last value measured during well-purging activities.

Quality Assurance/Quality Control

A case narrative (conformance/nonconformance summary) of QA/QC procedures practiced by TestAmerica Laboratories, Inc - which encompass instrument calibrations, analysis of method blanks, matrix spike blanks, and the percent-recovery of surrogates (system monitoring compounds) - is included in the above-mentioned "Sample Data Summary Package." Matrix spike/matrix spike duplicates (MS/MSD's) were collected to support both groundwater (EN7-M) and surface water analyses (SW-2).

Table 1

Summary of Field Data
Measured July, 2007
East Northport Landfill, East Northport, NY

Sampling Point	Dissolved Oxygen (mg/l)	Conductivity (umhos)	Temperature (°centigrade)	pH (units)	Salinity (‰)	Turbidity (ntu)
CW1-S	3.21	710	22.5	6.89	0.0	41.9
CW1-M	3.72	920	22.7	7.35	0.0	23.1
CW2-M	3.41	377	15.5	6.44	0.0	19.7
CW4-S	4.91	113	17.9	6.48	0.0	47.5
CW4-M	10.44	440	18.0	6.11	0.0	17.5
EN1-M	11.37	288	13.1	6.16	0.0	20.0
EN6-S	12.40	198	12.9	5.68	0.0	17.3
EN6-M	3.38	1005	12.9	6.37	0.1	18.7
EN7-M	4.56	1140	12.8	6.61	0.1	21.3
EN9-M	8.43	514	11.8	6.36	0.0	14.4
EN10-M	0.84	33	15.0	4.09	0.0	23.2
SW-1	10.75	500	15.2	6.48	0.0	138.0
SW-2	14.36	808	24.5	7.25	0.0	5.4
SW-3	12.41	325	14.5	7.39	0.0	111.0
SW-4	10.73	493	15.2	6.19	0.0	62.0
SW-5	9.15	1010	21.2	7.28	0.1	39.0
SW-6	11.42	788	24.1	6.70	0.0	38.6
SW-7	7.51	6350	24.5	6.12	0.3	39.1

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In addition, trip blanks representing groundwater (TB-GW) and surface water samples (TB-SW) were analyzed for volatile organic compounds. A field blank (FB7-10) representing groundwater sampling activities was also analyzed for volatile organic compounds.

The accuracy of reported analytical results is assessed via the analysis of "blind duplicates" collected from groundwater monitoring well CW1-M (identified as GW-Dup) and surface water sampling location SW-2 (identified as SW-Dup). Blind duplicate samples GW-Dup and SW-Dup were analyzed for all groundwater and surface water parameters, respectively.

Summary of Analytical Results

QA/QC Samples

With the exception of *methylene chloride*, a typical "in-house" analytical laboratory contaminant, targeted volatile organic compounds were not detected in either of the aforementioned trip or field blanks. In addition, analytical results in relation to groundwater and surface water blind duplicates are comparable (see Tables 2, 2A, 3 and 3A). Consequently, the detection of *methylene chloride* notwithstanding, results of groundwater and surface water analyses summarized below are considered valid.

Groundwater

Analytical results in relation to volatile organic compounds and metals/leachate indicators - including a comparison with New York State Department of Environmental Conservation (NYSDEC) Class GA drinking water standards - are summarized on Table 2 and Table 2A, respectively.

As shown on Table 2, volatile organic compounds detected in excess of NYSDEC drinking water standards include *trichloroethene* (EN7-M) and *tetrachloroethene* (EN6-M).

As shown on Table 2A, metals detected in excess of NYSDEC drinking water standards include *arsenic* (CW1-S, CW1-M), *iron* (CW1-S, CW1-M, CW4-S, EN10-M), *lead* (CW4-S), *magnesium* (EN7-M) and *sodium* (CW1-S, CW1-M, CW2-M, EN6-S, EN6-M, EN7-M, EN9-M). The sole leachate indicator detected in excess of its NYSDEC drinking water standard is *ammonia* (CW1-S, CW1-M).

Surface Water

Table 3 and Table 3A summarize analytical results in relation to volatile organic compounds and leachate indicators, respectively; including a comparison with NYSDEC Class GA drinking water standards.

As shown on Table 3, volatile organic compounds were not detected above NYSDEC Class GA drinking water standards in any of the collected surface water samples.

As shown on Table 3A, the sole leachate indicator detected in excess of its NYSDEC Class GA drinking water standard is *chloride*, detected in surface water sample SW-7. As previously reported, an elevated concentration of chloride at this sampling point is attributable to the influence of saline surface water, insofar as sample SW-7 is collected from within the tidal portion of Sunken Meadow Creek.

Historical Analysis

A tabulated comparison of historical analytical results for the period-of-record dating from June, 1996 to July, 2007, on a per sampling-point basis, is presented in Section HA-1A. A summary of inconsistencies with the most recent analyses, completed November, 2006, is presented below. With the exception of the below-listed inconsistencies, July, 2007 analytical results, as summarized above, continue to be consistent with past events (i.e., June, 1996, April & September, 1997, April & September, 1998, April & September, 1999, April & September, 2000, April & September, 2001, April & September, 2002, April & October, 2003, June & October, 2004, April & September 2005, August & November, 2006).

Groundwater

* The concentration of *tetrachloroethene* increased in groundwater sampled from monitoring well EN6-M from 4.2 micrograms per liter (µg/l) to 6.9 µg/l, a concentration above NYSDEC's drinking water standard of 5.0 µg/l.

* The concentration of *cadmium* decreased in groundwater sampled from monitoring well CW4-S from 7.5 µg/l, a concentration above NYSDEC's drinking water standard of 5.0 µg/l, to 2.3 µg/l.

* The concentration of *chloride* decreased in groundwater sampled from monitoring well EN7-M from 270 milligrams per liter (mg/l), a concentration above NYSDEC's drinking water standard of 250.0 mg/l, to 239.0 mg/l.

Surface Water

No significant variations with the most recent (i.e., November, 2006) analyses are evident in any of the collected samples.

Table 2

Summary of Analytical Results-Groundwater
East Northport Landfill, East Northport, NY
Sampled July 9-10, 2007

Volatile Organic Compounds

Reported in Micrograms per Liter

Parameter	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	GW-DUP	TB-GW	FB 7-10	NYSDEC Class GA Standard
Chloromethane	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	NS/GV
Bromomethane	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	5.0
Vinyl Chloride	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	1.10 J	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	2.0
Chloroethane	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	5.0
Methylene Chloride	0.50 JB	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.48 JB	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	2.10 JB	1.10 JB	5.0
Trichloroflouromethane	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	5.0
1,1-Dichloroethene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.00 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
1,1-Dichloroethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.10 J	1.60 J	ND(5.00)	0.91 J	1.50 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
trans-1,2-Dichloroethene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Chloroform	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.41 J	0.97 J	0.58 J	0.17 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	7.0
1,2-Dichloroethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.6
1,1,1-Trichloroethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.20 J	3.00 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Carbon Tetrachloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Bromodichloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	50.0 GV
1,2-Dichloropropane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.36 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.0
cis-1,3-Dichloropropene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.4*
Trichloroethene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.10 J	**8.90**	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Benzene	ND(5.00)	0.27 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.56 J	ND(5.00)	0.14 J	0.26 J	ND(5.00)	ND(5.00)	1.0
Dibromochloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	50.0 GV
trans-1,3-Dichloropropene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.4*
1,1,2-Trichloroethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.0
2-Chloroethyl vinyl Ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	NS/GV
Bromoform	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	50.0 GV
1,1,2,2-Tetrachloroethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Tetrachloroethene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.87 J	0.59 J	**6.90**	0.91 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Toluene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Chlorobenzene	ND(5.00)	1.90 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.60 J	ND(5.00)	ND(5.00)	2.10 J	ND(5.00)	ND(5.00)	5.0

Table 2 continued

Parameter	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	GW-DUP	TB-GW	FB 7-10	NYSDEC Class GA Standard
Ethylbenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
1,2-Dichlorobenzene	ND(5.00)	0.20 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.55 J	ND(5.00)	ND(5.00)	0.21 J	ND(5.00)	ND(5.00)	3.0
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	3.0
1,4-Dichlorobenzene	ND(5.00)	0.46 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.70 J	ND(5.00)	ND(5.00)	0.49 J	ND(5.00)	ND(5.00)	3.0

Note:
ND( ): Compound not detected at the method detection limit
NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per June 1998 revision)
GV: NYSDEC Guidance Value for Source of Drinking Water
NS/GV: No NYSDEC Standard or Guidance Value Established
J: Indicates an estimated value; compound is present at a concentration less than specified detection limit
*Standard of 0.4 applies to sum of cis and trans 1,3-Dichloropropene
B: The analyte was found in an associated blank, as well as in the sample

Table 2A

Summary of Analytical Results-Groundwater
East Northport Landfill, East Northport, NY
Sampled July 9-10, 2007

Metals and Leachate Indicators

Reported in Micrograms per Liter (µg/l) and Milligrams per Liter (mg/l)

Metals (µg/l)	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	GW-DUP	NYSDEC Class GA Standard
Aluminum	530.0	ND(200.0)	ND(200.0)	300.0	ND(200.0)	ND(200.0)	ND(200.0)	ND(200.0)	ND(200.0)	ND(200.0)	380.0	ND(200.0)	NS/GV
Arsenic	**42.0**	**59.0**	ND(10.0)	5.4 J	8.8 J	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	4.5 J	**58.0**	25.0
Cadmium	ND(5.0)	ND(5.0)	ND(5.0)	2.3 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.0
Calcium	15,700.0	17,000.0	18,100.0	11,500.0	25,800.0	24,200.0	11,700.0	64,900.0	116,000.0	29,700.0	1,200.0 J	17,700.0	NS/GV
Chromium	2.2 J	3.0 J	ND(10.0)	11.0	2.6 J	1.9 J	6.1 J	ND(10.0)	ND(10.0)	ND(10.0)	1.9 J	2.7 J	50.0
Iron	**19,700.0**	**7,500.0**	72.0 J	**1,700.0**	47.0 J	ND(100.0)	68.0 J	ND(100.0)	120.0	ND(100.0)	**400.0**	**7,600.0**	300.0
Lead	6.4	ND(3.0)	ND(3.0)	**55.0**	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	15.0	ND(3.0)	25.0
Magnesium	9,100.0	16,500.0	7,000.0	3,100.0 J	9,900.0	9,200.0	5,500.0	19,700.0	**50,500.0**	14,100.0	400.0 J	16,700.0	35,000.0 GV
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.7
Potassium	18,300.0	70,700.0	6,700.0	4,000.0 J	1,100.0 J	1,200.0 J	1,400.0 J	3,300.0 J	5,200.0	2,100.0 J	840.0 J	72,200.0	NS/GV
Sodium	**30,600.0**	**118,000.0**	**20,300.0**	6,100.0	12,100.0	17,800.0	**23,100.0**	**48,200.0**	**173,000.0**	**31,600.0**	1,200.0 J	**120,000.0**	20,000.0
Leachate Indicators (mg/l)													
Ammonia	**16.800**	**79.800**	0.090	0.047	0.019 J	ND(0.040)	0.016 J	0.015 J	0.045	ND(0.040)	0.070	**77.100**	2.0
Bicarbonate	170.00	669.00	50.40	40.20	38.20	28.40	14.70	120.00	515.00	35.40	3.10	49.60	NS/GV
Chloride	22.80	93.70	30.60	9.00	22.80	26.20	37.10	95.50	239.00	112.00	2.00	89.60	250.0
Nitrate	0.15	ND(0.10)	1.00	0.78	7.30	8.50	5.20	5.90	ND(0.10)	0.62	0.27	ND(0.10)	10.0
Sulfate	31.80	7.10	37.10	7.40	35.90	40.10	19.70	81.40	104.00	16.00	1.80	7.70	250.0
Alkalinity	170.00	669.00	50.40	40.20	38.20	28.40	14.70	120.00	515.00	35.40	3.10	49.60	NS/GV
TDS	225.00	613.00	175.00	71.00	192.00	193.00	134.00	415.00	1,090.00	302.00	14.00	602.00	NS/GV
Hardness	76.50	110.00	74.00	41.50	105.00	98.10	51.70	243.00	498.00	132.00	4.70	113.00	NS/GV

Note:
ND( ): Compound not detected at the method detection limit
NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per June 1998 revision)
GV: NYSDEC Guidance Value for Source of Drinking Water
NS/GV: No NYSDEC Standard or Guidance Value Established
B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit
J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

Table 3

Summary of Analytical Results-Surface Water
East Northport Landfill, East Northport, NY
Sampled July 10, 2007

Volatile Organic Compounds

Reported in Micrograms per liter

Parameter	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-DUP	TB-SW	NYSDEC Class GA Standard
Chloromethane	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	NS/GV
Bromomethane	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	5.0
Vinyl Chloride	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	2.0
Chloroethane	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	5.0
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	2.10 JB	5.0
Trichloroflouromethane	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	5.0
1,1-Dichloroethene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
1,1-Dichloroethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.37 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
trans-1,2-Dichloroethene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Chloroform	0.17 J	ND(5.00)	0.45 J	0.18 J	ND(5.00)	ND(5.00)	ND(5.00)	0.43 J	ND(5.00)	7.0
1,2-Dichloroethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.6
1,1,1-Trichloroethane	ND(5.00)	ND(5.00)	0.34 J	0.14 J	0.32 J	ND(5.00)	ND(5.00)	0.32 J	ND(5.00)	5.0
Carbon Tetrachloride	ND(5.00)	ND(5.00)	0.14 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.12 J	ND(5.00)	5.0
Bromodichloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	50.0 GV
1,2-Dichloropropane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.0
cis-1,3-Dichloropropene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.4*
Trichloroethene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Benzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.0
Dibromochloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	50.0 GV
trans-1,3-Dichloropropene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.4*
1,1,2-Trichloroethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.0
2-Chloroethylvinyl Ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	NS/GV
Bromoform	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	50.0 GV
1,1,2,2-Tetrachloroethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Tetrachloroethene	2.60 J	1.30 J	2.90 J	2.60 J	0.90 J	ND(5.00)	ND(5.00)	2.90 J	ND(5.00)	5.0

Table 3 continued

Parameter	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-DUP	TB-SW	NYSDEC Class GA Standard
Toluene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Chlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Ethylbenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	3.0
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	3.0
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	3.0

Note:

ND( ): Compound not detected at the method detection limit

NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per June 1998 revision)

GV: NYSDEC Class GA Guidance Value for Source of Drinking Water

NS/GV: No NYSDEC Standard or Guidance Value Established

*Standard of 0.4 applies to sum of cis and trans 1,3-Dichloropropene

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

B:The analyte was found in an associated blank, as well as in the sample

Table 3A

Summary of Analytical Results-Surface Water
East Northport Landfill, East Northport, NY
Sampled July 10, 2007

Leachate Indicators

Reported in Milligrams per Liter

Parameter	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-DUP	NYSDEC Class GA Standard
Ammonia	0.074	0.049	0.019 J	0.054	0.150	0.098	0.097	0.031 J	2.0
Bicarbonate	32.70	62.00	23.80	33.20	62.10	57.30	53.20	24.20	NS/GV
Chloride	49.20	67.70	42.00	50.10	77.00	73.70	**1,460.00**	41.90	250.0
Nitrate	2.30	0.64	3.50	2.30	1.20	0.57	0.44	3.40	10.0
Sulfate	19.20	31.80	18.80	19.20	25.00	17.60	199.00	18.40	250.0
Alkalinity	32.70	62.00	23.80	33.20	62.10	57.30	53.20	24.20	NS/GV
TDS	195.00	251.00	180.00	199.00	274.00	218.00	2,800.00	156.00	NS/GV
Hardness	70.90	114.00	68.40	69.70	111.00	78.30	478.00	68.40	NS/GV

Note:

ND( ): Compound not detected at the method detection limit

NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per June 1998 revision)

NS/GV: No NYSDEC Standard or Guidance Value Established

Section HA-1A

CW1-S

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	**3.0**	**3.0**	**3.0 J**	**3.0 J**	ND(0.5)	**1.6**	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	**10.0**	**15.0**	**11.0**	**7.0**	ND(5.0)	ND(0.6)	**9.8**	**5.3**	**6.2**
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	1.0 J	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	0.8
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		4.0	3.0	3.0 J	ND(10.0)	2.4	2.9	ND(0.3)	2.5

CW1-S (continued)

Parameter / Sampling Date	4/25/01	9/19/01	4/9/02	9/12/02	4/15/03	10/9/03	6/3/04	10/26/04	4/12/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	**2.9**	**2.4**	**2.4**	**2.2 J**	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	**1.6 J**
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	**6.5**	**6.8**	**7.0**	ND(1.0)	4.2 J	ND(0.24)	4.9 J	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	0.7	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	1.9	2.0 J	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	2.9	ND(0.3)	1.7	2.0 J	ND(1.4)	1.3 J	ND(0.30)	1.1 J	1.7 J

CW1-S (continued)

Parameter / Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	0.50 JB					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	**1.9 J**	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	**6.6**	ND(0.47)	1.7 J	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	1.5 J	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

CW1-S
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) **Sampling Date**	6/96	4/22/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00
Aluminum	180 b	162.0 B	44.2 B	ND(26.8)	85.4 B	ND(200.0)	49.6 B	54.1 B	124.0 B
Arsenic	**62.1**	**79.4**	**62.4**	**44.8 B**	**70.8**	**61.0**	**56.8**	**67.2**	**60.6**
Cadmium	ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	14,500.0	27,900.0	12,800.0	15,000.0 E	25,700.0	13,600.0	12,300.0	17,500.0	17,200.0
Chromium	8 b	10.8	7.9 B	ND(8.3)	22.0	ND(5.0)	4.8 B	4.8 B	4.1 B
Iron	**3,570.0**	**5,760.0**	**3,690.0**	**4,540.0**	**5,900.0**	**5,270.0**	**5,450.0**	**5,800.0**	**5,510.0**
Lead	5.4	ND(1.6)	ND(1.6)	ND(1.1)	3.0	ND(4.0)	4.2	12.7	2.2 B
Magnesium	32,900	**47,300.0**	31,300.0	**36,700.0 E**	34,200.0 E	30,700.0	24,300.0	**37,300.0**	30,700.0
Mercury	ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.19 B	ND(0.1)
Potassium	263,000	384,000.0	239,000.0	199,000.0	228,000.0 E	177,000.0	140,000.0 E	195,000.0	194,000.0 B
Sodium	**472,000**	**592,000.0 E**	**480,000.0 E**	**406,000.0**	**450,000.0 E**	**360,000.0**	**271,000.0**	**420,000.0**	**442,000.0**
Leachate Indicators (mg/l)									
Ammonia	**273.0**	**343.0**	**319.0**	**280.0**	**190.0**	**243.0**	**143.0**	**190.0**	**200.0**
Bicarbonate		2,330.0	1,850.0	1,820.0	1,850.0	1,550.0	1,539.0	1,400.0	1,240.0
Chloride	**477.0**	**520.0**	5.2	**362.0**	**337.0**	**282.0**	**276.0**	240.0	**270.0**
Nitrate	3.73	0.1	ND(0.04)	ND(0.2)	ND(0.05)	ND(0.50)	ND(0.05)	ND(0.5)	ND(0.5)
Sulfate	5	ND(3.0)	17.4	30.0	22.5	34.0	31.2	24.0	1.8
Alkalinity	216	2,330.0	1,850.0	1,820.0	1,850.0	1,550.0	1,540.0	1,400.0	1,240.0
TDS	3,600	2,300.0	2,070.0	1,540.0	1,690.0	1,430.0	1,821.0	1,500.0	1,600.0
Hardness	44	263.57	160.0	188.0 E	204.0	160.0	2,000.0	200.0	170.0

CW1-S (continued)

Metals (ug/l) Sampling Date	4/25/01	9/19/01	4/9/02	9/12/02	4/15/03	10/9/03	6/3/04	10/26/04	4/12/05
Aluminum	30.1 B	ND(45.7)	ND(7.3)	26.5 B	ND(78.9)	85.7 J	56.2 J	ND(180.0)	18.2 J
Arsenic	**67.6**	**71.0**	**67.9**	**75.4**	ND(11.0)	**66.6**	**59.1**	ND(4.840)	**64.20**
Cadmium	ND(0.4)	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.12)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	22,800.0	19,300.0	19,700.0	24,700.0	11,700.0	16,200.0	16,800.0	7,410.0	25,100.0
Chromium	6.6 B	ND(5.0)	1.6 B	5.3 B	ND(1.0)	15.4	**125.0**	2.130 J	2.480 J
Iron	**4,580.0**	**5,080.0**	**5,180.0**	**6,580.0**	**721.0**	**4,750.0**	**4,370.0**	**1,400.0**	**6,690.0**
Lead	ND(2.5)	ND(3.0)	3.5	4.3	ND(3.0)	6.2	4.5 J	ND(1.790)	ND(2.180)
Magnesium	35,400.0	27,600.0	25,900.0	25,800.0	6,740.00	19,500.0	19,100.0	2,020.0 J	25,600.00
Mercury	ND(0.2)	0.25	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.0300)	0.0700 J
Potassium	182,000.0	133,000.0	147,000.0	150,000.0	24,100.00	114,000.0	116,000.0	1,720.0 J	123,000.00
Sodium	**447,000.0**	**336,000.0**	**316,000.0**	**407,000.0**	**56,400.00**	**219,000.0**	**219,000.0**	5,850.0	**263,000.00**
Leachate Indicators (mg/l)									
Ammonia	**180.0**	**170.0**	**150.0**	**160.0**	ND(0.2)	**55.0**	**39.0**	**110.0**	**34.0**
Bicarbonate	1,400.0	1,500.0	1,300.0	1,300.0	820.0	880.0	900.0	870.0	990.0
Chloride	**260.0**	210.0	**270.0**	210.0	53.0	130.0	130.0	130.0	170.0
Nitrate	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.50)
Sulfate	7.8	31.0	20.0	2.46	28.0	34.0	28.0	12.0	17.0
Alkalinity	1,400.0	1,500.0	1,300.0	1,300.0	830.0	880.0	910.0	870.0	990.0
TDS	1,290.0	1,500.0	1,200.0	1,400.0	1,025.0	903.0	858.0	10,850.0	980.0
Hardness	200.0	160.0	160.0	170.0	57.0	121.0	120.0	27.0	168.0

CW1-S (continued)

Metals (ug/l) Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Aluminum	109.0 J	103.0 J	9.5 J	530.0					
Arsenic	**61.70**	**29.7**	**67.1**	**42.0**					
Cadmium	ND(0.327)	ND(0.327)	0.74 J	ND(5.0)					
Calcium	27,700.0	13,400.0	16,300.0	15,700.0					
Chromium	2.060 J	10.1	12.2	2.2 J					
Iron	**6,390.0**	**13,000.0**	**6,810.0**	**19,700.0**					
Lead	ND(2.18)	ND(2.18)	ND(1.6)	6.4					
Magnesium	26,400.0	8,420.0	19,700.0	9,100.0					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	103000	19,300.0	86,600.0	18,300.0					
Sodium	**349,000.0**	**33,400.0**	**170,000.0**	**30,600.0**					
Leachate Indicators (mg/l)									
Ammonia	**140.0**	**3.73**	**80.00**	**16.800**					
Bicarbonate	1000.0	190.00	ND(2.000)	170.00					
Chloride	160.0	29.00	75.00	22.80					
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	0.15					
Sulfate	13.0	30.00	8.53	31.80					
Alkalinity	1,000.0	190.00	570.00	170.00					
TDS	960.0	250.00	520.00	225.00					
Hardness	177.9	68.26	121.75	76.50					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

CW1-M

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	**2.0**	**2.0**	**2.0 J**	**1.0 J**	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	**5.4**	**5.0**	4.0	3.0 J	ND(5.0)	ND(0.6)	2.9	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	0.8 J	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		3.0	ND(2.0)	2.0 J	ND(10.0)	1.6	1.6	ND(0.3)	1.2

CW1-M (continued)

Parameter / Sampling Date	4/25/01	9/19/01	4/9/02	9/12/02	4/15/03	10/9/03	6/03/04	10/26/04	4/13/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	0.6	ND(0.6)	**1.8 J**	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	1.8	3.4 J	**5.3**	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	0.6	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

CW1-M (continued)

Parameter / Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	0.27 J					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	0.9 J	1.7 J	ND(0.47)	1.90 J					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	0.20 J					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	0.46 J					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

CW1-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) **Sampling Date**	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00
Aluminum	526	157.0 B	123.0 B	ND(26.8)	ND(21.3)	ND(200.0)	42.0 B	68.6 B	89.8 B
Arsenic	**49.4**	**58.9**	**44.3**	**34.9**	**52.7**	**64.0**	**58.3**	**52.8**	**54.7**
Cadmium	ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	3,580 b	4,270.0 B	2,550.0 B	16,500.0 E	19,300.0	20,000.0	22,500.0	19,600.0	17,700.0
Chromium	8.4 b	5.2 B	4.7 B	9.9 B	ND(8.2)	ND(5.0)	1.9 B	8.3 B	1.0 B
Iron	**1,960**	**1,930.0**	**1,510.0**	**9,060.0**	**9,690.0**	**11,300.0**	**12,900.0**	**8,710.0**	**13,600.0**
Lead	3.4	2.1 B	3.1	ND(1.1)	1.7 B	ND(4.0)	ND(3.0)	**147.0**	ND(2.0)
Magnesium	20,000	22,200.0	14,500.0	26,900.0 E	22,000.0 E	26,200.0	22,300.0	24,200.0	17,300.0
Mercury	ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	195,000	271,000.0	137,000.0	100,000.0	89,400 E	88,700.0	77,500.0 E	93,800.0	63,900.0
Sodium	**391,000**	**411,000.0 E**	**302,000.0 E**	**177,000.0 E**	**163,000.0 E**	**152,000.0**	**142,000.0**	**160,000.0**	**102,000.0**
Leachate Indicators (mg/l)									
Ammonia	**221.0**	**204.0**	**195.0**	**115.0**	**84.0**	**106.0**	**80.0**	**90.0**	**65.0**
Bicarbonate		1,450.0	1,180.0	814.0	724.0	680.0	597.0	560.0	420.0
Chloride	**363**	**255.0**	**337.0**	173.0	115.0	119.0	116.0	91.0	71.0
Nitrate	2.73	0.45	0.29	0.28	ND(0.05)	ND(0.50)	ND(0.05)	ND(0.5)	ND(0.5)
Sulfate	3.18	16.0	38.9	120.0	93.9	99.0	200.0	90.0	76.0
Alkalinity	1,870	1,450.0	1,180.0	814.0	724.0	680.0	598.0	560.0	420.0
TDS	2,570	1,280.0	1,380.0	736.0	744.0	773.0	792.0	770.0	600.0
Hardness	21	101.62	65.8	152.0 E	139.0	95.7	897.0	150.0	120.0

CW1-M (continued)

Metals (ug/l) Sampling Date	4/25/01	9/19/01	4/9/02	9/12/02	4/15/03	10/9/03	6/03/04	10/26/04	4/12/05
Aluminum	105.0 B	ND(45.7)	ND(7.3)	25.8 B	ND(78.9)	114.0 J	75.9 J	ND(180)	43.7 J
Arsenic	**113.0**	**70.4**	**29.3**	**56.7**	**75.1**	6.0 J	41.9	ND(4.840)	**40.60**
Cadmium	0.74 B	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	0.55 J	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	18,900.0	20,000.0	13,200.0	15,800.0	19,700.0	12,300.0	14,400.0	6,740.0	16,300.0
Chromium	**83.9**	ND(5.0)	ND(0.6)	5.8 B	4.4 B	2.2 J	25.1	1.3 J	ND(0.343)
Iron	**23,700.0**	**13,900.0**	**3,770.0**	**7,770.0**	**6,640.0**	191.0	**7,400.0**	81.8	**12,200.0**
Lead	ND(2.5)	ND(3.0)	4.6	7.1	3.8	5.3	7.3	ND(1.790)	ND(2.180)
Magnesium	18,700.0	20,300.0	14,700.0	16,700.0	24,400.0	11,300.0	11,700.0	1,260 J	12,500.00
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.0300)	0.0700 J
Potassium	66,600.0	59,700.0	58,000.0	72,800.0	124,773.4	44,800.0	44,800.0	1050 J	39,300.00
Sodium	**120,000.0**	**119,000.0**	**92,400.0**	**156,000.0**	**254,000.0**	**64,300.0**	**54,100.0**	4640 J	**66,400.00**
Leachate Indicators (mg/l)									
Ammonia	**50.0**	**71.0**	**51.0**	**61.0**	0.5	**21.0**	**39.0**	**37.0**	**34.0**
Bicarbonate	340.0	410.0	380.0	570.0	120.0	200.0	280.0	280.0	280.0
Chloride	68.0	89.0	78.0	95.0	170.0	47.0	36.0	32.0	42.0
Nitrate	0.6	ND(0.5)	ND(0.5)	ND(0.5)	2.4	7.4	0.7	0.7	ND(0.50)
Sulfate	54.0	83.0	69.0	54.0	19.0	73.0	110.0	56.0	48.0
Alkalinity	340.0	410.0	390.0	570.0	120.0	200.0	280.0	280.0	280.0
TDS	420.0	670.0	480.0	680.0	274.0	396.0	376.0	353.0	380.0
Hardness	120.0	130.0	94.0	110.0	150.0	77.0	83.0	22.0	92.0

CW1-M (continued)

Metals (ug/l) Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Aluminum	129 J	ND(5.31)	48.0 J	ND(200.0)					
Arsenic	**28.50**	**34.8**	**36.0**	**59.0**					
Cadmium	1.710 J	ND(0.327)	ND(0.52)	ND(5.0)					
Calcium	16,900.0	14,800.0	16,700.0	17,000.0					
Chromium	2.030 J	9.02 J	5.8 J	3.0 J					
Iron	**9210**	**5,290.0**	**13,100.0**	**7,500.0**					
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)					
Magnesium	11,200.0	15,400.0	11,400.0	16,500.0					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	44300	85,000.0	29,900.0	70,700.0					
Sodium	**60,000.0**	**169,000.0**	**49,600.0**	**118,000.0**					
Leachate Indicators (mg/l)									
Ammonia	0.47	**53.00**	**26.00**	**79.800**					
Bicarbonate	270.0	660.00	ND(2.000)	669.00					
Chloride	36.0	92.00	29.00	93.70					
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.10)					
Sulfate	44.0	8.79	33.00	7.10					
Alkalinity	270.0	660.00	210.00	669.00					
TDS	330.0	630.00	260.00	613.00					
Hardness	88.2	100.42	88.45	110.00					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

CW2-M

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	2.0 J	2.0 J	4.6	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	2.2	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	2.9	3.7
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

CW2-M (continued)

Parameter Sampling Date	4/25/01	9/19/01	4/9/02	9/11/02	4/16/03	10/9/03	6/2/04	10/26/04	4/12/05
Chloromethane	ND(1.1)	na	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	na	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	na	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	na	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	na	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	na	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	na	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	na	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	na	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	na	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	na	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	na	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	na	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	na	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	na	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	na	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	1.2	na	ND(0.4)	1.0 J	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	na	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	na	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	na	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	na	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	na	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	na	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	na	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	2.8	na	1.2	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	na	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	na	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	na	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	na	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	na	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	na	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

CW2-M (continued)

Parameter / Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	0.8 J	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

na: Not Accessible

CW2-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) **Sampling Date**	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00
Aluminum	60 b	156.0 B	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	36.5 B	ND(25.8)	93.8 B
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	24.2	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	4.7 B	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	48,500.0	56,400.0	46,100.0	24,400.0 E	25,900.0	22,800.0	25,700.0	28,800.0	21,300.0
Chromium	ND(1.0)	ND(1.8)	ND(1.0)	ND(8.3)	10.3	ND(5.0)	2.3 B	4.7 B	ND(0.7)
Iron	**416.0**	263.0	**346.0**	109.0 B	**484.0**	**390.0**	184.0	60.9 B	112.0
Lead	ND(3.0)	ND(1.6)	ND(1.6)	3.5	2.4 B	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)
Magnesium	7,500	6,960.0	7,510.0	4,800.0 BE	5,860.0 E	6,010.0	6,940.0	7,940.0	6,260.0
Mercury	ND(0.2)	ND(0.06)	0.05 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	16,800	13,500.0	11,500.0	6,050.0	7,060.0 E	5,640.0	5,880.0 E	7,160.0	5,950.0
Sodium	**34,900**	**31,700.0 E**	**31,800.0 E**	**23,500.0 E**	**24,400.0 E**	**22,500.0**	**29,500.0**	**27,600.0**	**24,800.0**
Leachate Indicators (mg/l)									
Ammonia	**2.52**	ND(0.05)	1.19	1.1	**4.9**	0.74	**7.40**	0.20	ND(0.2)
Bicarbonate		111.0	67.2	63.8	70.3	61.0	73.0	68.0	110.0
Chloride	51.4	31.2	44.1	37.2	26.9	33.6	40.8	46.0	46.0
Nitrate	ND(1.0)	1.31	ND(0.04)	0.46	ND(0.05)	ND(0.50)	0.295	0.860	0.900
Sulfate	76.4	55.5	40.2	40.0	39.8	36.5	48.8	39.0	39.0
Alkalinity	110	111.0	67.2	63.8	70.3	61.0	74.0	68.0	110.0
TDS	334	352.0	279.0	224.0	178.0	158.0	158.0	180.0	190.0
Hardness	55	169.62	145.0	80.7 E	88.7	80.8	110.0	100.0	79.0

CW2-M (continued)

Metals (ug/l) Sampling Date	4/25/01	9/20/01	4/9/02	9/11/02	4/16/03	10/9/03	6/2/04	10/26/04	4/12/05
Aluminum	86.8 B	na	ND(7.3)	35.8 B	ND(78.9)	25.1 J	53.4 J	ND(180)	35.8 J
Arsenic	ND(2.5)	na	ND(2.8)	ND(3.6)	ND(11.9)	ND(4.0)	ND(5.5)	ND(4.840)	ND(3.320)
Cadmium	ND(0.4)	na	ND(0.4)	ND(1.0)	ND(1.0)	ND(.80)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	27,000.0	na	18,200.0	19,400.0	25,000.0	35,200.0	26,400.0	29,600.0	21,700.0
Chromium	ND(0.8)	na	ND(0.6)	8.4 B	ND(1.0)	ND(1.4)	16.4	ND(1.220)	ND(0.343)
Iron	93.8 B	na	25.0 B	112.0	227.0	85.4 J	92.2 J	168.0	234.0
Lead	2.9 B	na	4.4	5.2	4.0	4.0	6.6	ND(1.790)	ND(2.180)
Magnesium	8,240.0	na	5,650.0	6010.0	8,330.0	11,900.0	9,240.0	10,600.0	7,890.0
Mercury	ND(0.2)	na	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	0.1400 J	0.0400 J
Potassium	6,960.0	na	5,480.0	7,580.0	7,670.0	9,380.0	8,760.0	13,100.0	8,810.0
Sodium	**31,300.0**	na	**20,900.0**	**22,300.0**	**23,500.0**	**31,800.0**	**22,800.0**	**22,300.0**	**21,100.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	na	ND(0.2)	ND(0.2)	ND(0.2)	0.3	ND(0.2)	0.487	0.367
Bicarbonate	59.0	na	52.0	46.0	55.0	90.0	71.0	83.0	64.0
Chloride	43.0	na	40.0	26.0	37.0	49.0	32.0	31.0	25.0
Nitrate	1.600	na	ND(0.5)	1.4	0.9	6.6	7.7	ND(0.500)	ND(0.50)
Sulfate	31.0	na	48.0	35.0	69.0	100.0	62.0	85.0	64.0
Alkalinity	59.0	na	52.0	46.0	55.0	90.0	71.0	83.0	64.0
TDS	190.0	na	160.0	140.0	222.0	321.0	221.0	251.0	190.0
Hardness	100.0	na	69.0	73.0	97.0	136.0	104.0	118.0	87.0

CW2-M (continued)

Metals (ug/l) Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Aluminum	97.0 J	ND(5.31)	ND(7.6)	ND(200.0)					
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)					
Cadmium	0.910 J	ND(0.327)	0.64 J	ND(5.0)					
Calcium	24,500.0	24,600.0	25,200.0	18,100.0					
Chromium	ND(0.343)	ND(0.343)	20.4	ND(10.0)					
Iron	150	ND(27.0)	72.2 J	72.0 J					
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)					
Magnesium	8,680.0	9,520.0	10,600.0	7,000.0					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	10900	8,080.0	8,590.0	6,700.0					
Sodium	**21,100.0**	19,400.0	**22,700.0**	**20,300.0**					
Leachate Indicators (mg/l)									
Ammonia	**34.0**	ND(0.20)	0.33	0.090					
Bicarbonate	58.0	71.00	ND(2.000)	50.40					
Chloride	27.0	31.00	27.00	30.60					
Nitrate	ND(0.50)	1.67	1.22	1.00					
Sulfate	65.0	64.00	32.00	37.10					
Alkalinity	58.0	71.00	63.00	50.40					
TDS	190.0	250.00	170.00	175.00					
Hardness	96.9	100.53	106.71	74.00					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

na: Not Accessible

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

CW4-S

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	**17.0**	**23.0**	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	1.2	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	3.0	ND(5.0)	4.0 J	**5.2**	ND(0.3)	ND(0.4)	1.7
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	**5.5**	ND(3.0)	4.0	ND(5.0)	5.0 J	4.6	**5.5**	ND(0.3)	2.3
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

CW4-S (continued)

Parameter / Sampling Date	4/25/01	9/19/01	4/9/02	9/12/02	4/15/03	10/9/03	6/3/04	10/26/04	4/12/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

CW4-S (continued)

Parameter Sampling Date	9/8/05	8/2/06	11/14/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

CW4-S
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) **Sampling Date**	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/14/99	9/2/99	4/26/00	9/5/00
Aluminum	90.6 b	347.0	273.0	270.0	62.0 B	ND(200.0)	80.7 B	41.9 B	314.0
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	2.7 B	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	32,300.0	25,200.0	30,700.0	7,400.0 E	35,300.0	37,700.0	45,800.0	28,400.0	30,200.0
Chromium	1.8 b	8.7 B	1.4 B	ND(8.3)	13.7	9.0	5.1 B	5.5 B	7.7 B
Iron	**8,160.0**	**7,720.0**	**7,650.0**	**2,700.0**	**9,220.0**	**10,100.0**	**9,590.0**	**5,530.0**	**5,710.0**
Lead	3.4	4.1	6.4	6.7	5.8	ND(4.0)	ND(3.0)	1.6 B	3.8
Magnesium	9,790.0	7,760.0	9,100.0	419.0 BE	10,600.0 E	12,900.0	15,900.0	8,870.0	10,800.0
Mercury	ND(0.2)	ND(0.06)	0.06 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	12,800.0	13,200.0	9,760.0	1,650.0 B	12,700.0 E	15,100.0	19,500.0 E	12,800.0	19,700.0
Sodium	**34,800.0**	**28,000.0 E**	**31,500.0 E**	2,310.0 BE	**40,200.0 E**	**46,500.0**	**51,100.0**	**27,400.0**	**42,300.0**
Leachate Indicators (mg/l)									
Ammonia	**4.7**	1.65	1.81	ND(0.2)	**6.2**	**5.99**	1.14	ND(0.2)	**4.50**
Bicarbonate		82.7	110.0	15.4	126.0	150.0	191.0	40.0	280.0
Chloride	39.0	31.9	90.4	4.3	55.9	69.8	85.1	20.0	50.0
Nitrate	4.89	0.25	0.30	0.53	0.23	ND(0.50)	ND(0.05)	6.900	ND(0.5)
Sulfate	37.3	20.5	29.8	ND(5.0)	38.7	47.6	76.1	29.0	36.0
Alkalinity	63.0	82.7	110.0	15.4	126.0	150.0	192.0	40.0	280.0
TDS	218.0	173.0	206.0	46.0	324.0	305.0	376.0	130.0	280.0
Hardness	41.0	94.80	114.0	20.2 E	132.0	146.0	286.0	98.0	120.0

CW4-S (continued)

Metals (ug/l) Sampling Date	4/25/01	9/19/01	4/9/02	9/12/02	4/15/03	10/9/03	6/3/04	10/26/04	4/12/05
Aluminum	142.0 B	202.0	75.1 B	65.4 B	319.0	106.0 J	64.4 J	ND(180)	154.00
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.840)	ND(3.320)
Cadmium	2.9 B	3.3 B	3.3 B	ND(1.0)	1.2 B	0.93 J	1.3 J	1.580 J	2.700 J
Calcium	4,420.0 B	12,600.0	10,600.0	7,210.0	10,000.0	5,530.0	5,650.0	5,760.0	5,540.0
Chromium	2.6 B	ND(5.0)	ND(0.6)	6.5 B	7.6 B	2.7 J	4.2 J	ND(1.220)	11.10
Iron	**1,070.0**	**2,210.0**	**2,340.0**	**398.0**	**2,540.0**	237.0	**310.0**	197.0	**1,570.0**
Lead	4.8	14.9	9.1	10.6	**35.1**	8.3	6.0	ND(1.790)	17.20
Magnesium	222.0 B	2,400.0 B	1,520.0 B	520.0 B	2,230.0 B	293.0 J	288.0 J	619 J	229 J
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	0.0800 J	0.0400 J
Potassium	1,120.0 B	5,080.0	4,170.0 B	3,060.0 B	5,770.0	2,280.0 J	2040.0 J	2340 J	2710 J
Sodium	1,430.0 B	8,520.0	4,570.0 B	4,210.0 B	5,980.0	1,750.0 J	1380.0 J	1190 J	1740 J
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	0.60	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate	11.0	49.0	38.0	20.0	79.0	16.0	11.0	12.0	17.0
Chloride	2.3	11.0	8.5	4.7	8.4	2.4	2.5	2.8	3.3
Nitrate	ND(0.5)	ND(0.5)	ND(0.5)	0.9	0.5	0.7	0.9	0.5	0.717
Sulfate	ND(1.0)	10.0	8.6	4.06	7.7	1.9	14.0	ND(1.00)	ND(1.0)
Alkalinity	11.0	49.0	38.0	20.0	78.0	16.0	11.0	12.0	17.0
TDS	20.0	70.0	68.0	37.0	87.0	33.0	38.0	11.0	23.0
Hardness	12.0	41.0	33.0	20.0	34.0	15.0	15.0	17.0	15.0

Note:

CW4-S (continued)

Metals (ug/l) Sampling Date	9/8/05	8/2/06	11/14/06	7/10/07					
Aluminum	488.0	ND(5.31)	652.0	300.0					
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	5.4 J					
Cadmium	3.69 J	ND(0.327)	**7.5**	2.3 J					
Calcium	12,500.0	5,130.0	17,400.0	11,500.0					
Chromium	15.7	1.31 J	20.4	11.0					
Iron	**2,850.0**	**582.0**	**3,490.0**	**1,700.0**					
Lead	**42.3**	ND(2.18)	**205.0**	**55.0**					
Magnesium	3,780.0 J	557.0 J	6,340.0	3,100.0 J					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	7,250.0	1,790.0 J	5,980.0	4,000.0 J					
Sodium	7,620.0	ND(332)	11,400.0	6,100.0					
Leachate Indicators (mg/l)									
Ammonia	0.23	ND(0.20)	ND(0.200)	0.047					
Bicarbonate	50.0	21.00	ND(2.000)	40.20					
Chloride	14.0	4.02	11.00	9.00					
Nitrate	ND(0.50)	ND(0.50)	0.61	0.78					
Sulfate	14.00	3.28	11.00	7.40					
Alkalinity	50.0	21.00	44.00	40.20					
TDS	120.0	33.00	81.00	71.00					
Hardness	46.7	15.10	69.58	41.50					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

CW4-M

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.9 J	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	1.0	ND(5.0)	1.0 J	1.0	ND(0.5)	ND(0.3)	1.4
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	2.2	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	2.1	ND(0.3)
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

CW4-M (continued)

Parameter / Sampling Date	4/25/01	9/19/01	4/9/02	9/12/02	4/15/03	10/9/03	6/3/04	10/26/04	4/12/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	1.2 J	ND(1.3)	ND(0.29)	ND(0.29)	1.0 J
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	0.4 J
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	1.4 J	1.1 J	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	0.4 J
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

CW4-M (continued)

Parameter Sampling Date	9/8/05	8/2/06	11/14/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	1.1 J	1.10 J					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	0.6 J	ND(0.18)	ND(0.18)	0.41 J					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	0.8 J	ND(0.17)	ND(0.17)	1.20 J					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	0.36 J					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

CW4-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/14/99	9/2/99	4/26/00	9/5/00
Aluminum	65.2 b	157.0 B	ND(34.8)	29.8 B	ND(21.3)	ND(200.0)	27.6 B	ND(25.8)	80.7 B
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	2.6 B	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(0.3)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	34,700.0	40,000.0	24,500.0	23,200.0 E	24,500.0	21,600.0	25,100.0	24,200.0	21,100.0
Chromium	1.3 b	4.0 B	2.2 B	ND(8.3)	36.4	ND(5.0)	1.7 B	11.3	3.6 B
Iron	ND(27.0)	ND(34.0)	38.5 B	151.0	41.0 B	ND(50.0)	ND(21.0)	175.0	ND(15.9)
Lead	ND(3.0)	ND(1.6)	ND(1.6)	3.6	3.0	ND(4.0)	ND(3.0)	ND(0.6)	2.1 B
Magnesium	12,600	10,800.0	9,180.0	8,390.0 E	9,420.0 E	8,660.0	10,000.0	9,220.0	7,950.0
Mercury	ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	1,810 b	2,940.0 B	1,310.0 B	1,570.0 B	1,950.0 B E	1,460.0	1,320.0 BE	1,170.0 B	1,350.0 B
Sodium	15,300	15,900.0 E	12,000.0 E	10,700.0 E	12,400.0 E	10,600.0	12,700.0	8,610.0	10,900.0
Leachate Indicators (mg/l)									
Ammonia	ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	0.27	ND(0.20)	1.42	4.30	ND(0.2)
Bicarbonate		51.9	42.3	33.0	32.0	31.5	30.0	110.0	69.0
Chloride	53.2	32.1	18.2	17.3	22.2	19.1	19.5	39.0	21.0
Nitrate	ND(1.0)	7.15	6.30	6.30	6.80	7.41	3.26	ND(0.5)	7.20
Sulfate	27.3	35.9	29.8	39.5	35.7	36.0	12.6	35.0	37.0
Alkalinity	124	51.9	42.3	33.0	32.0	31.5	31.0	110.0	69.0
TDS	319	154.0	121.0	152.0	232.0	150.0	130.0	200.0	130.0
Hardness	47	144.56	98.8	92.3 E	99.9	88.8	46.0	110.0	85.0

CW4-M (continued)

Metals (ug/l) Sampling Date	4/25/01	9/20/01	4/9/02	9/12/02	4/15/03	10/9/03	6/3/04	10/26/04	4/12/05
Aluminum	110.0 B	ND(45.7)	ND(7.3)	ND(10.1)	ND(78.9)	99.9 J	39.2 J	ND(180)	39.4 J
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.840)	ND(3.320)
Cadmium	0.88 B	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.12)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	27,500.0	21,400.0	21,500.0	19,300.0	22,900.0	22,500.0	21,200.0	21,600.0	23,100.0
Chromium	2.9 B	ND(5.0)	2.1 B	7.1 B	1.8 B	3.8 J	**114.0**	ND(1.220)	2.420 J
Iron	275.0	18.3 B	ND(17.3)	45.9 B	72.9 B	78.1 J	**409.0**	43.0 J	40.2 J
Lead	4.5	ND(3.0)	4.8	9.2	ND(3.0)	6.7	5.4	ND(1.790)	ND(2.180)
Magnesium	9,280.0	8,280.0	7,940.0	7,610.0	9,350.0	8,590.0	8,220.0	8,570.0	9,380.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	0.0900 J	0.0400 J
Potassium	1,800.0 B	1,170.0 B	1,340.0 B	1,200.0 B	1,390.0 B	1,410.0 J	1200.0 J	1080 J	1350 J
Sodium	12,000.0	10,600.0	11,400.0	11,600.0	12,500.0	10,300.0	10,700.0	10,200.0	12,600.00
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.3	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate	38.0	44.0	43.0	37.0	81.0	41.0	32.0	32.0	35.0
Chloride	20.0	22.0	30.0	23.0	22.0	22.0	22.0	22.0	22.0
Nitrate	5.90	6.90	6.70	7.20	6.80	6.90	7.3	7.2	7.28
Sulfate	28.0	31.0	26.0	26.0	32.0	31.0	39.0	37.0	40.0
Alkalinity	38.0	44.0	43.0	37.0	82.0	42.0	32.0	32.0	35.0
TDS	140.0	140.0	180.0	120.0	195.0	183.0	172.0	137.0	170.0
Hardness	110.0	88.0	86.0	80.0	96.0	91.0	88.0	89.0	96.0

CW4-M (continued)

Metals (ug/l) Sampling Date	9/8/05	8/2/06	11/14/06	7/10/07					
Aluminum	89.4 J	ND(5.31)	ND(7.6)	ND(200.0)					
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	8.8 J					
Cadmium	ND(0.327)	ND(0.327)	ND(0.52)	ND(5.0)					
Calcium	22,000.0	25,200.0	29,600.0	25,800.0					
Chromium	1.79 J	50.2	7.4 J	2.6 J					
Iron	ND(27.0)	261.0	ND(30.4)	47.0 J					
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)					
Magnesium	8,700.0	10,100.0	13,100.0	9,900.0					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	1,430.0 J	995.0 J	206.0 J	1,100.0 J					
Sodium	11,600.0	12,800.0	16,200.0	12,100.0					
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	0.31	ND(0.200)	0.019 J					
Bicarbonate	37.0	39.00	ND(2.000)	38.20					
Chloride	23.0	24.00	24.00	22.80					
Nitrate	7.10	7.44	7.43	7.30					
Sulfate	33.0	11.00	33.00	35.90					
Alkalinity	37.0	39.00	39.00	38.20					
TDS	160.0	180.00	180.00	192.00					
Hardness	90.8	104.76	127.97	105.00					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

EN1-M

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/14/99	9/2/99	4/26/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	1.0 J	0.6 J	1.0 J	ND(1.2)	ND(0.4)	0.7
1,1-Dichloroethane	ND(5.0)	2.0	3.0	3.0 J	3.0 J	ND(1.4)	2.9	2.0	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	2.0 J	2.0 J	ND(1.6)	ND(0.4)	ND(0.3)	1.2
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	**6.2**	**6.0**	**7.0**	**7.0**	**6.0**	**5.3**	2.7	**5.3**	**6.7**
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	0.7 J	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	0.8 J	ND(0.7)	ND(0.6)	1.0	0.9
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

EN1-M (continued)

Parameter / Sampling Date	4/25/01	9/20/01	4/9/02	9/12/02	4/15/03	10/9/03	6/2/04	10/26/04	4/12/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	1.0	1.4	1.2	2.0 J	2.1 J	1.6 J	ND(0.28)	2.2 J	ND(0.28)
1,1-Dichloroethane	ND(0.2)	2.2	ND(0.2)	2.4 J	2.6 J	ND(1.3)	ND(0.29)	ND(0.29)	1.2 J
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	1.9	1.3	1.5	ND(0.8)	1.8 J	ND(1.5)	ND(0.30)	1.8 J	0.9 J
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	**6.0**	ND(0.3)	**6.0**	4.6 J	4.6 J	4.2 J	4.5 J	4.7 J	2.7 J
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	1.3	0.9	0.8	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

EN1-M (continued)

Parameter / Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	0.48 JB					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	1.7 J	ND(0.33)	1.4 J	1.00 J					
1,1-Dichloroethane	1.9 J	ND(0.28)	1.8 J	1.60 J					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	1.2 J	0.7 J	ND(0.18)	0.97 J					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	2.9 J	1.9 J	2.6 J	3.00 J					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	0.87 J					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN1-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/14/99	9/2/99	4/26/00	9/5/00
Aluminum	71.8 b	119.0 B	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	25.2 B	ND(25.8)	59.0 B
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	32,400	35,800.0	30,400.0	24,600.0 E	29,900.0	26,400.0	27,300.0	26,800.0	22,300.0
Chromium	ND(1.0)	2.0 B	1.1 B	ND(8.3)	15.2	ND(5.0)	1.3 B	5.6 B	2.1 B
Iron	ND(27.0)	ND(34.0)	ND(22.4)	97.3 B	84.8 B	54.0	ND(21.0)	63.1 B	ND(15.9)
Lead	ND(3.0)	ND(1.6)	ND(1.6)	ND(1.1)	ND(1.5)	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)
Magnesium	12,100	13,700.0	11,700.0	9,440.0 E	11,000.0 E	10,100.0	10,400.0	9,890.0	8,410.0
Mercury	ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	1,470 b	2,520.0 B	1,190.0 B	1,640.0 B	1,640.0 B E	1,470.0	1,260.0 BE	1,270.0 B	1,350.0 B
Sodium	10,800	16,500.0 E	14,000.0 E	14,500.0 E	16,300.0 E	14,600.0	15,900.0	12,100.0	14,000.0
Leachate Indicators (mg/l)									
Ammonia	ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	1.42	ND(0.2)	ND(0.2)
Bicarbonate		22.2	21.9	24.2	23.4	23.2	24.0	27.0	50.0
Chloride	23	24.2	23.0	24.2	26.9	29.0	26.6	29.0	29.0
Nitrate	9.41	8.85	9.50	7.60	8.50	8.83	3.66	8.00	8.80
Sulfate	67.3	52.9	36.3	44.0	54.8	39.6	79.9	43.0	50.0
Alkalinity	23	22.2	21.9	24.2	23.4	23.2	25.0	27.0	50.0
TDS	203	172.0	165.0	132.0	200.0	148.0	155.0	150.0	150.0
Hardness	43	145.44	123.0	100.0 E	120.0	106.0	38.0	110.0	90.0

EN1-M (continued)

Metals (ug/l) Sampling Date	4/25/01	9/20/01	4/9/02	9/12/02	4/15/03	10/9/03	6/2/04	10/26/04	4/12/05
Aluminum	18.1 B	ND(45.7)	ND(7.3)	ND(10.1)	ND(78.9)	13.5 J	38.0 J	ND(180)	19.4 J
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.840)	ND(3.320)
Cadmium	ND(0.4)	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.12)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	28,600.0	26,200.0	23,600.0	22,500.0	23,600.0	25,200.0	25,200.0	26,000.0	24,700.0
Chromium	2.8 B	ND(5.0)	1.1 B	4.3 B	1.7 B	1.4 J	**64.6**	ND(1.220)	0.905 J
Iron	20.3 B	29.2 B	ND(17.3)	ND(16.8)	67.8 B	158.8 J	218.0	43.0 J	41.2 J
Lead	ND(2.5)	ND(3.0)	3.8	9.8	ND(3.0)	5.9	4.0 J	ND(1.790)	ND(2.180)
Magnesium	10,700.0	9,810.0	8,660.0	8,620.0	9,810.0	9,440.0	9,400.0	9,660.0	9,450.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.0300)	0.0600 J
Potassium	1,410.0 B	1,270.0 B	1,260.0 B	1,280.0 B	1,530.0 B	1,360.0 J	1380.0 J	1,410.0	1500 J
Sodium	16,400.0	15,200.0	14,600.0	15,300.0	17,100.0	14,500.0	15,600.0	16,900.0	19,100.0
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.3	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate	24.0	34.0	28.0	26.0	77.0	26.0	23.0	24.0	27.0
Chloride	29.0	28.0	37.0	30.0	31.0	32.0	32.0	35.0	33.0
Nitrate	7.40	9.50	9.60	9.60	9.20	9.70	9.6	9.0	8.84
Sulfate	38.0	52.0	46.0	37.0	38.0	44.0	46.0	50.0	49.0
Alkalinity	24.0	34.0	28.0	26.0	77.0	26.0	23.0	24.0	27.0
TDS	190.0	160.0	230.0	160.0	223.0	240.0	215.0	187.0	190.0
Hardness	120.0	110.0	95.0	92.0	99.0	102.0	102.0	105.0	101.0

EN1-M (continued)

Metals (ug/l) Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Aluminum	93.1 J	ND(5.31)	ND(7.6)	ND(200.0)					
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)					
Cadmium	0.51 J	ND(0.327)	1.2 J	ND(5.0)					
Calcium	23,300.0	20,600.0	25,600.0	24,200.0					
Chromium	1.56 J	6.77 J	21.1	1.9 J					
Iron	ND(27.0)	ND(27.0)	52.5 J	ND(100.0)					
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)					
Magnesium	8,580.0	7,770.0	10,200.0	9,200.0					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	1,420.0 J	1,690.0 J	542.0 J	1,200.0 J					
Sodium	17,000.0	19,200.0	18,700.0	17,800.0					
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	ND(0.20)	ND(0.200)	ND(0.040)					
Bicarbonate	28.0	29.00	ND(2.000)	28.40					
Chloride	33.0	29.00	29.00	26.20					
Nitrate	8.66	8.76	8.96	8.50					
Sulfate	42.0	41.00	43.00	40.10					
Alkalinity	28.0	29.00	30.00	28.40					
TDS	190.0	220.00	210.00	193.00					
Hardness	93.6	83.52	106.03	98.10					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

EN6-S

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/23/97	9/11/97	4/29/98	9/29/98	4/13/99	9/2/99	4/26/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(0.5)	ND(0.5)	ND(0.3)	2.7
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	ND(0.3)	1.0
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

EN6-S (continued)

Parameter / Sampling Date	4/25/01	9/20/01	4/9/02	9/11/02	4/15/03	10/9/03	6/2/04	10/26/04	4/12/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	0.8	0.7	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	2.1 J	1.6 J
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	1.2	ND(0.3)	ND(0.3)	1.6 J	1.7 J	1.4 J	ND(0.34)	ND(0.34)	0.3 J
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	0.6	ND(0.3)	ND(1.0)	1.3 J	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

EN6-S (continued)

Parameter / Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	1.1 J	ND(0.18)	ND(0.18)	0.58 J					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	0.5 J	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	0.59 J					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN6-S
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) **Sampling Date**	6/96	4/23/97	9/10/97	4/29/98	9/29/98	4/13/99	9/2/99	4/26/00	9/5/00
Aluminum	79.3 B	209.0	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	40.5 B	ND(25.8)	78.7 B
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	16,900.0	20,700.0	15,500.0	13,700.0 E	15,800.0	11,700.0	12,200.0	11,300.0	12,700.0
Chromium	16.8	31.6	2.0 B	ND(8.3)	11.8	6.0	6.9 B	8.8 B	2.0 B
Iron	245.0	**563.0**	ND(22.4)	20.5 B	131.0	296.0	81.3 B	96.8 B	16.4 B
Lead	ND(3.0)	ND(1.6)	ND(1.6)	ND(1.1)	ND(1.5)	ND(4.0)	ND(3.0)	2.0 B	ND(2.0)
Magnesium	7,700.0	9,840.0	7,400.0	6,190.0 E	6,960.0 E	5,500.0	5,680.0	5,030.0	5,900.0
Mercury	ND(0.2)	ND(0.06)	0.04 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	1,540.0 B	3,320.0 B	1,270 B	1,480.0 B	1,680.0 B E	1,370.0	1,170.0 B	1,230.0 B	1,560.0 B
Sodium	2,130.0	**32,600.0 E**	**26,200.0 E**	**23,800.0 E**	**26,800.0 E**	**23,000.0**	**20,200.0**	**26,200.0**	**26,900.0**
Leachate Indicators (mg/l)									
Ammonia	ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	1.29	ND(0.2)	ND(0.2)
Bicarbonate		15.2	12.9	13.2	17.0	13.5	11.0	16.0	34.0
Chloride	62.0	42.2	44.5	36.1	47.2	36.7	37.2	48.0	49.0
Nitrate	7.37	**13.00**	6.00	5.60	5.80	5.49	3.91	3.70	6.60
Sulfate	21.8	31.3	24.9	20.5	21.8	22.0	26.2	22.0	24.0
Alkalinity	14.0	15.2	12.9	13.2	17.0	13.5	12.0	16.0	34.0
TDS	174.0	101.0	139.0	164.0	196.0	92.0	115.0	130.0	150.0
Hardness	22.0	92.09	69.1	59.6 E	68.1	51.4	18.0	49.0	56.0

EN6-S (continued)

Metals (ug/l) Sampling Date	4/25/01	9/20/01	4/9/02	9/11/02	4/15/03	10/9/03	6/2/04	10/26/04	4/12/05
Aluminum	30.4 B	217.0	ND(7.3)	51.6 B	ND(78.9)	85.0 J	59.2 J	ND(180.0)	16.2 J
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.840)	ND(3.320)
Cadmium	ND(0.4)	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.12)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	17,400.0	14,100.0	12,700.0	14,400.0	14,500.0	13,300.0	12,200.0	14,000.0	11,900.0
Chromium	**430.0**	41.3	14.1	46.2	22.8	37.8	7.9 J	7.8 J	2.740 J
Iron	**2,100.0**	**1,280.0**	207.0	**468.0**	249.0	**482.0**	66.6 J	**381.0**	31.4 J
Lead	ND(2.5)	ND(3.0)	5.2	7.9	ND(3.0)	6.9	4.4 J	ND(1.790)	ND(2.180)
Magnesium	8,180.0	6,560.0	5,810.0	6,810.0	7,290.0	6,270.0	5,660.0	6,080.0	5,620.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.0300)	0.0900 J
Potassium	1,840.0 B	1,570.0 B	1,520.0 B	1,750.0 B	1,870.0 B	1,740.0 J	1540 J	1,610.0 J	1850 J
Sodium	**33,400.0**	**28,100.0**	**26,100.0**	**30,100.0**	**34,300.0**	**27,900.0**	**25,200.0**	**24,200.0**	**32,900.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.4	2.5	**0.356**	ND(0.2)
Bicarbonate	16.0	24.0	16.0	13.0	14.0	14.0	9.5	11.0	14.0
Chloride	45.0	48.0	57.0	46.0	49.0	48.0	48.0	57.0	51.0
Nitrate	6.80	6.90	7.20	8.30	7.40	7.60	6.3	6.2	5.35
Sulfate	27.0	25.0	26.0	28.0	28.0	29.0	23.0	26.0	24.0
Alkalinity	16.0	24.0	16.0	13.0	14.0	14.0	9.5	11.0	14.0
TDS	170.0	140.0	200.0	160.0	196.0	214.0	172.0	216.0	150.0
Hardness	77.0	62.0	56.0	64.0	66.0	59.0	54.0	60.0	53.0

EN6-S (continued)

Metals (ug/l) Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Aluminum	137.0 J	ND(5.31)	ND(7.6)	ND(200.0)					
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)					
Cadmium	0.6 J	ND(0.327)	1.2 J	ND(5.0)					
Calcium	11,800.0	9,920.0	13,400.0	11,700.0					
Chromium	4.33 J	15.8	10.6	6.1 J					
Iron	111.0	ND(27.0)	71.6 J	68.0 J					
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)					
Magnesium	5,330.0	4,620.0 J	6,580.0	5,500.0					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	1,610.0 J	1,710.0 J	1120.0 J	1,400.0 J					
Sodium	**26,400.0**	**26,900.0**	**27,500.0**	**23,100.0**					
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	0.40	ND(0.200)	0.016 J					
Bicarbonate	15.0	17.00	ND(2.000)	14.70					
Chloride	54.0	34.00	40.00	37.10					
Nitrate	5.62	5.35	4.95	5.20					
Sulfate	21.0	22.00	18.00	19.70					
Alkalinity	15.0	17.00	18.00	14.70					
TDS	180.0	140.00	150.00	134.00					
Hardness	51.4	43.81	60.58	51.70					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

EN6-M

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/23/97	9/11/97	4/29/98	9/29/98	4/13/99	9/1/99	4/26/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.8 J	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	**5.0**	**9.0**	**14.0**	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	2.0 J	2.0 J	2.1	1.4	2.8	1.8
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	7.0	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	4.6	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	**12.0**	**11.0**	**12.0**	**12.0**	**12.0**	**9.3**	**13.0**	**12.0**	**12.0**
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

EN6-M (continued)

Parameter / Sampling Date	4/25/01	9/20/01	4/9/02	9/11/02	4/15/03	10/9/03	6/2/04	10/26/04	4/12/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	1.2 J	ND(1.3)	ND(0.29)	ND(0.29)	0.9 J
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	2.4	2.4	2.1	2.5 J	2.3 J	ND(0.1)	ND(0.27)	2.4 J	1.4 J
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	**14.0**	**9.1**	**11.0**	**9.5**	**8.8**	2.5 J	**5.1**	**9.5**	4.4 J
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

EN6-M (continued)

Parameter / Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	1.3 J	ND(0.28)	ND(0.28)	0.91 J					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	0.17 J					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	**1.5 J**	0.9 J	1.1 J	1.10 J					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	4.9 J	2.4 J	4.2 J	**6.90**					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN6-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) **Sampling Date**	6/96	4/23/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/26/00	9/5/00
Aluminum	77.7 B	147.0 B	ND(34.8)	283.0	ND(21.3)	ND(200.0)	25.9 B	ND(25.8)	74.7 B
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	3.7 B	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	118,000	132,000.0	116,000.0	113,000.0 E	118,000.0	111,000.0	120,000.0	124,000.0	93,600.0
Chromium	ND(1.0)	20. B	ND(1.0)	ND(8.3)	ND(8.2)	ND(5.0)	ND(1.0)	5.2 B	0.78 B
Iron	ND(27.0)	ND(34.0)	23.3 B	**736.0 B**	118.0	ND(50.0)	ND(21.0)	118.0	ND(15.9)
Lead	ND(3.0)	ND(1.6)	ND(1.6)	1.2 B	2.7 B	ND(4.0)	ND(3.0)	0.87 B	2.6 B
Magnesium	34,300.0	**39,900.0**	**35,100.0**	30,400.0 E	31,600.0 E	30,500.0	32,400.0	29,300.0	24,600.0
Mercury	ND(0.2)	ND(0.06)	0.04 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	3,780.0 B	6,900.0	2,890.0 B	3,080.0 B	3,560.0 B E	3,390.0	4,000.0 BE	4,740.0 B	4,000.0 B
Sodium	**66,100.0**	**81,100.0 E**	**83,200.0 E**	**72,000.0 E**	**78,700.0 E**	**76,100.0**	**66,700.0**	**78,600.0**	**74,100.0**
Leachate Indicators (mg/l)									
Ammonia	ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	1.14	ND(0.2)	ND(0.2)
Bicarbonate		123.0	128.0	132.0	126.0	144.0	148.0	130.0	160.0
Chloride	248.0	250.0	250.0	**649.0**	217.0	222.0	198.0	180.0	190.0
Nitrate	2.77	2.46	ND(0.04)	1.80	2.00	2.04	1.01	2.90	3.00
Sulfate	105.0	89.0	51.0	105.0	132.0	177.0	204.0	57.0	130.0
Alkalinity	123.0	123.0	128.0	132.0	126.0	144.0	149.0	130.0	160.0
TDS	740.0	745.0	598.0	804.0	800.0	727.0	567.0	530.0	540.0
Hardness	150.0	494.39	434.0	406.0 E	426.0	398.0	225.0	430.0	340.0

EN6-M (continued)

Metals (ug/l) Sampling Date	4/25/01	9/20/01	4/9/02	9/11/02	5/15/03	10/9/03	6/2/04	10/26/04	4/12/05
Aluminum	11.3 B	ND(45.7)	ND(7.3)	ND(10.1)	ND(78.9)	18.0 J	46.8 J	ND(180.0)	56.1 J
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.840)	ND(3.320)
Cadmium	ND(0.4)	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	0.20 J	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	94,300.0	77,400.0	92,500.0	80,600.0	79,300.0	58,500.0	78,900.0	73,000.0	70,900.0
Chromium	12.7	ND(5.0)	0.77 B	4.6 B	ND(1.0)	1.6 J	4.0 J	ND(1.220)	0.545 J
Iron	83.9 B	20.1 B	ND(17.3)	25.9 B	27.9 B	ND(5.2)	ND(0.91)	30.9 J	154.00
Lead	ND(2.5)	ND(3.0)	4.9	6.4	4.2	5.0	6.3	ND(1.790)	ND(2.180)
Magnesium	30,800.0	25,600.0	22,300.0	23,400.0	20,700.0	21,400.0	21,500.0	20,100.0	20,000.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.0300)	0.0900 J
Potassium	4,430.0 B	3,800.0 B	4,150.0 B	4,470.0 B	4,040.0 B	2,800.0 J	4530 J	4,520.0 J	4530.0 J
Sodium	**83,000.0**	**72,300.0**	**67,400.0**	**71,600.0**	**61,800.0**	**40,600.0**	**57,100.0**	**54,100.0**	**60,600.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.4	1.7	ND(0.2)	0.251
Bicarbonate	130.0	150.0	140.0	150.0	150.0	130.0	150.0	140.0	140.0
Chloride	140.0	120.0	160.0	100.0	130.0	74.0	120.0	120.0	110.0
Nitrate	2.40	3.60	3.30	2.80	3.50	4.50	5.1	5.2	5.86
Sulfate	100.0	150.0	14.0	86.0	150.0	120.0	180.0	120.0	120.0
Alkalinity	130.0	150.0	150.0	150.0	150.0	130.0	150.0	140.0	140.0
TDS	580.0	460.0	620.0	410.0	566.0	465.0	526.0	475.0	510.0
Hardness	360.0	300.0	320.0	300.0	280.0	234.0	286.0	265.0	259.0

EN6-M (continued)

Metals (ug/l) Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Aluminum	100.0 J	ND(5.31)	ND(7.6)	ND(200.0)					
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)					
Cadmium	1.02 J	ND(0.327)	2.0 J	ND(5.0)					
Calcium	71,700.0	50,100.0	79,500.0	64,900.0					
Chromium	1.54 J	2.57 J	14.1	ND(10.0)					
Iron	ND(27.0)	ND(27.0)	ND(30.4)	ND(100.0)					
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)					
Magnesium	19,800.0	17,500.0	26,300.0	19,700.0					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	4,480.0 J	3,210.0 J	3820.0 J	3,300.0 J					
Sodium	**58,000.0**	**46,300.0**	**65,200.0**	**48,200.0**					
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	0.35	ND(0.200)	0.015 J					
Bicarbonate	130.0	120.00	ND(2.000)	120.00					
Chloride	110.0	67.00	99.00	95.50					
Nitrate	6.28	9.07	6.75	5.90					
Sulfate	91.0	65.00	79.00	81.40					
Alkalinity	130.0	120.00	120.00	120.00					
TDS	500.0	370.00	460.00	415.00					
Hardness	260.5	197.23	306.94	243.00					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

EN7-M

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/25/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	**3.0**	ND(1.0)	**3.0 J**	**4.0 J**	ND(1.7)	1.1 J	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	2.1	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	0.8 J	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	0.5 J	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	1.0 J	1.0 J	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	**32.0**	**32.0**	**27.0**	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.5 J	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	**5.2**	**8.0**	**9.0**	**9.0**	**9.0**	**6.9**	3.5	**7.6**	**5.2**
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(0.5)	ND(0.6)	ND(0.3)	**0.8**
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	14.0	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	4.6	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	**14.0**	**38.0**	**32.0**	**35.0**	**35.0**	**22.0**	**28.0**	**27.0**	**25.0**
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	1.1	1.1

EN7-M (continued)

Parameter / Sampling Date	4/25/01	9/20/01	9/19/01	9/11/02	4/16/03	10/9/03	6/2/04	10/26/04	4/12/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	2.3	ND(1.2)	**5.4**	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	1.7 J	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	2.0	2.0	2.3 J	2.4 J	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	**8.0**	**6.1**	**7.0**	**7.2**	**7.3**	**5.7**	**5.3**	**7.6**	**6.1**
Benzene	**0.9**	**0.9**	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	**33.0**	**23.0**	**21.0**	**24.0**	**21.0**	**11.0**	**14.0**	**19.0**	**13.0**
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	0.9 J	1.0 J
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	1.1	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	1.8 J	ND(0.30)	2.5 J	**3.6 J**

EN7-M (continued)

Parameter / Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	**3.8 J**	1.0 J	ND(0.62)	1.10 J					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	2.7 J	ND(0.28)	1.8 J	1.50 J					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	**5.8**	**5.7**	**7.8**	**8.90**					
Benzene	0.9 J	ND(0.35)	ND(0.35)	0.56 J					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	**10.0**	ND(0.74)	2.3 J	0.91 J					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	1.8 J	1.4 J	1.3 J	1.60 J					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	0.9 J	0.8 J	ND(0.67)	0.55 J					
1,3-Dichlorobenzene	ND(0.65)	**3.4 J**	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	**3.2 J**	2.9 J	2.7 J	1.70 J					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN7-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) **Sampling Date**	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/25/00	9/5/00
Aluminum	67.9 b	166.0 B	ND(34.8)	ND(26.8)	32.6 B	ND(200.0)	33.0 B	40.2 B	90.4 B
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	0.61 B	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	80,800	88,100.0	89,300.0	87,500.0 E	87,600.0	80,300.0	86,600.0	86,900.0	75,400.0
Chromium	ND(1.0)	3.3 B	ND(1.0)	ND(8.3)	ND(8.2)	ND(5.0)	ND(1.0)	ND(1.3)	ND(0.7)
Iron	ND(27.0)	263.0	117.0	35.5 B	13.6 B	ND(50.0)	ND(21.0)	49.2 B	ND(15.9)
Lead	3.8	ND(1.6)	ND(1.6)	ND(1.1)	1.6 B	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)
Magnesium	30,400.0	**36,300.0**	**36,800.0**	33,200.0 E	33,800.0 E	33,100.0	**35,600.0**	**36,400.0**	31,100.0
Mercury	ND(0.2)	ND(0.06)	0.11 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	4,540.0 B	7,260.0	3,130.0 B	3,280.0 B	3,880.0 B E	3,710.0	4,750.0 BE	5,590.0	5,330.0
Sodium	**110,000.0**	**135,000.0 E**	**168,000.0 E**	**150,000.0 E**	**164,000.0 E**	**192,000.0**	**183,000.0**	**252,000.0**	**247,000.0**
Leachate Indicators (mg/l)									
Ammonia	**2.52**	ND(0.25)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	ND(0.10)	ND(0.2)	ND(0.2)
Bicarbonate		84.9	86.7	99.0	109.0	140.0	150.0	180.0	200.0
Chloride	239.0	**254.0**	**253.0**	**264.0**	**253.0**	**273.0**	**278.0**	**290.0**	**270.0**
Nitrate	5.0	5.15	2.88	2.70	2.40	1.89	0.603	1.000	0.700
Sulfate	236.0	229.0	97.9	225.0	221.0	245.0	**351.0**	210.0	200.0
Alkalinity	62.0	84.9	86.7	99.0	109.0	140.0	151.0	180.0	200.0
TDS	856.0	1,020.0	6,990.0	860.0	956.0	953.0	729.0	740.0	750.0
Hardness	111.0	369.03	374.0	355.0 E	358.0	334.0	226.0	670.0	320.0

EN7-M (continued)

Metals (ug/l) Sampling Date	4/25/01	9/20/01	4/9/02	9/11/02	5/16/03	10/9/03	6/2/04	10/26/04	4/12/05
Aluminum	87.0 B	ND(45.7)	ND(7.3)	ND(10.1)	ND(78.9)	29.8 J	55.0 J	ND(180.0)	9.620 J
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.840)	ND(3.320)
Cadmium	0.46 B	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.12)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	89,900.0	86,200.0	82,800.0	79,900.0	83,700.0	90,500.0	91,700.0	84,500.0	93,500.0
Chromium	7.2 B	ND(5.0)	ND(0.6)	1.6 B	ND(1.0)	0.75 J	2.5 J	ND(1.220)	ND(0.343)
Iron	103.0	ND(7.0)	ND(17.3)	ND(16.8)	ND(2.2)	ND(5.2)	ND(0.91)	ND(29.0)	ND(27.0)
Lead	ND(2.5)	ND(3.0)	3.3	7.5	3.0	4.7	6.2	ND(1.790)	ND(2.180)
Magnesium	**38,000.0**	**36,000.0**	34,300.0	34,400.0	37,000.0	39,200.0	**40,200.0**	**36,100.0**	**40,600.0**
Mercury	ND(0.2)	0.32	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.0300)	0.0900 J
Potassium	5,940.0	4,900.0 B	5,000.0	5,240.0	4,490.0 B	5,280.0	5,040.0	5,550.0	5,140.0
Sodium	**287,000.0**	**252,000.0**	**227,000.0**	**270,000.0**	**234,000.0**	**239,000.0**	**252,000.0**	**231,000.0**	**288,000.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.3	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate	190.0	220.0	240.0	280.0	300.0	290.0	330.0	340.0	410.0
Chloride	**270.0**	**260.0**	**270.0**	**260.0**	**280.0**	**270.0**	**270.0**	**270.0**	**280.0**
Nitrate	ND(0.5)	0.990	ND(0.5)	0.70	0.60	ND(0.5)	0.6	0.6	ND(0.50)
Sulfate	160.0	230.0	200.0	36.0	280.0	**320.0**	**350.0**	180.0	190.0
Alkalinity	190.0	220.0	240.0	280.0	300.0	290.0	330.0	340.0	410.0
TDS	930.0	780.0	950.0	790.0	1,050.0	1,077.0	1,106.0	1,049.0	1,100.0
Hardness	380.0	360.0	350.0	340.0	360.0	387.0	395.0	360.0	401.0

EN7-M (continued)

Metals (ug/l) Sampling Date	9/8/05	8/2/06	11/14/06	7/9/07					
Aluminum	109.0 J	ND(5.31)	12.5 J	ND(200.0)					
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)					
Cadmium	0.41 J	ND(0.327)	0.98 J	ND(5.0)					
Calcium	95,600.0	90,200.0	127,000.0	116,000.0					
Chromium	ND(0.343)	**98.8**	12.7	ND(10.0)					
Iron	40.9 J	**352.0**	102.0	120.0					
Lead	2.610 J	ND(2.18)	ND(1.6)	ND(3.0)					
Magnesium	**40,900.0**	**39,300.0**	**57,900.0**	**50,500.0**					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	6,040.0	5,170.0	5000.0 J	5,200.0					
Sodium	**301,000.0**	**266,000.0**	**300,000.0**	**173,000.0**					
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	ND(0.20)	ND(0.200)	0.045					
Bicarbonate	430.0	480.00	ND(2.000)	515.00					
Chloride	**280.0**	**280.00**	**270.00**	239.00					
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.10)					
Sulfate	160.0	130.00	110.00	104.00					
Alkalinity	430.0	480.00	510.00	515.00					
TDS	1,100.0	1,100.00	1,100.00	1,090.00					
Hardness	407.2	387.02	555.41	498.00					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

EN9-M

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/25/00	9/5/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	4.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

EN9-M (continued)

Parameter Sampling Date	4/25/01	9/20/01	4/8/02	9/10/02	4/16/03	10/9/03	6/2/04	10/26/04	4/12/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

EN9-M (continued)

Parameter / Sampling Date	9/7/05	8/2/06	11/14/06	7/9/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN9-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) **Sampling Date**	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/25/00	9/5/00
Aluminum	37.8 b	227.0	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	35.8 B	31.2 B	77.8 B
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	0.61 B	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	26,600	24,900.0	19,800.0	17,400.0 E	23,900.0 E	26,800.0	28,200.0	19,300.0	24,100.0
Chromium	ND(1.0)	3.6 B	ND(1.0)	ND(8.3)	17.0	ND(5.0)	ND(1.0)	1.3 B	ND(0.7)
Iron	ND(27.0)	109.0	ND(22.4)	27.1 B	129.0	ND(50.0)	ND(21.0)	ND(30.9)	ND(15.9)
Lead	ND(3.0)	2.1 B	ND(1.6)	ND(1.1)	ND(1.5)	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)
Magnesium	12,500.0	12,000.0	9,600.0	8,180.0 E	10,700.0 E	12,100.0	12,600.0	8,640.0	10,700.0
Mercury	ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	1,920.0 B	3,290.0 BE	1,260.0 B	1,350.0 B	1,930.0 B E	2,010.0	2,100.0 BE	1,360.0 B	2,000.0 B
Sodium	**23,100.0**	**23,400.0**	16,200.0 E	**20,100.0 E**	**27,500.0 E**	**33,000.0**	**36,700.0**	16,700.0	**33,200.0**
Leachate Indicators (mg/l)									
Ammonia	ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	1.43	ND(0.2)	ND(0.2)
Bicarbonate		29.9	29.6	35.2	36.2	32.5	4.0	30.0	58.0
Chloride	727.0	65.8	50.8	112.0	83.8	110.0	108.0	58.0	97.0
Nitrate	1.42	0.96	0.71	0.90	0.91	0.89	0.42	0.89	0.86
Sulfate	186.0	14.2	16.4	14.0	16.6	15.6	24.4	17.0	19.0
Alkalinity	28.0	29.9	29.6	35.2	36.2	32.5	4.2	30.0	58.0
TDS	203.0	95.0	140.0	238.0	256.0	225.0	209.0	140.0	210.0
Hardness	39.0	111.34	88.8	77.1 E	103.0	116.0	63.0	84.0	100.0

EN9-M (continued)

Metals (ug/l) Sampling Date	4/25/01	9/20/01	4/8/02	9/10/02	4/16/03	10/9/03	6/2/04	10/26/04	4/12/05
Aluminum	83.9 B	ND(45.7)	25.4 B	ND(10.1)	ND(78.9)	13.2 J	43.1 J	ND(180.0)	20.4 J
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.840)	ND(3.320)
Cadmium	0.46 B	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.12)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	30,400.0	20,900.0	19,800.0	15,500.0	14,600.0	25,300.0	21,500.0	20,400.0	22,500.0
Chromium	2.1 B	ND(5.0)	ND(0.6)	2.6 B	ND(1.0)	2.2 J	12.0	ND(1.220)	ND(0.343)
Iron	135.0	ND(7.0)	ND(17.3)	29.0 B	34.7 B	36.9 J	16.9 J	51.3 J	37.1 J
Lead	4.7	ND(3.0)	3.5	9.8	ND(3.0)	6.8	5.1	ND(1.790)	ND(2.180)
Magnesium	13,800.0	9,420.0	8,820.0	7,040.0	7,100.0	11,700.0	9,960.0	9,220.0	10,500.0
Mercury	ND(0.2)	0.27	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.0300)	0.0700 J
Potassium	2,450.0	1,700.0 B	1,500.0 B	1,350.0 B	1,330.0 B	2,100.0 J	1800.0 J	1,800.0 J	2140 J
Sodium	**44,500.0**	**30,100.0**	**26,900.0**	19,400.0	15,200.0	**33,400.0**	**25,800.0**	**27,700.0**	**39,200.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.3	0.5	ND(0.2)	ND(0.2)
Bicarbonate	30.0	45.0	36.0	32.0	34.0	24.0	31.0	30.0	33.0
Chloride	120.0	80.0	94.0	47.0	39.0	110.0	79.0	81.0	100.0
Nitrate	0.93	1.00	0.90	1.20	0.50	1.10	0.8	0.78	0.86
Sulfate	14.0	17.0	16.0	17.0	19.0	16.0	19.0	19.0	180.0
Alkalinity	30.0	45.0	36.0	32.0	34.0	24.0	31.0	30.0	33.0
TDS	280.0	190.0	240.0	150.0	165.0	360.0	273.0	74.0	310.0
Hardness	130.0	91.0	86.0	68.0	66.0	111.0	95.0	89.0	99.0

EN9-M (continued)

Metals (ug/l) Sampling Date	9/7/05	8/2/06	11/14/06	7/9/07					
Aluminum	94.1 J	ND(5.31)	ND(7.6)	ND(200.0)					
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)					
Cadmium	ND(0.327)	ND(0.327)	1.2 J	ND(5.0)					
Calcium	23,400.0	21,000.0	24,600.0	29,700.0					
Chromium	0.86 J	9.89 J	11.6	ND(10.0)					
Iron	ND(27.0)	ND(27.0)	ND(30.4)	ND(100.0)					
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)					
Magnesium	10,300.0	10,200.0	12,800.0	14,100.0					
Mercury	ND(0.03)	ND(0.03)	ND(0.1800)	ND(0.2)					
Potassium	2,030.0 J	1,480.0 J	956.0 J	2,100.0 J					
Sodium	**31,400.0**	**28,600.0**	**29,700.0**	**31,600.0**					
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	0.49	ND(0.200)	ND(0.040)					
Bicarbonate	36.0	38.00	ND(2.000)	35.40					
Chloride	98.0	68.00	66.00	112.00					
Nitrate	0.78	ND(0.50)	ND(0.50)	0.62					
Sulfate	19.0	19.00	21.00	16.00					
Alkalinity	36.0	38.00	36.00	35.40					
TDS	260.0	230.00	240.00	302.00					
Hardness	100.9	94.39	114.03	132.00					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

EN10-M

Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	11/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	4.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	3.0	4.0	4.0 J	3.0 J	ND(1.4)	1.1	ND(0.2)	2.0
* 1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	1.0 J	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	4.0	5.0	5.0 J	5.0	3.0	1.9	4.1	**5.3**
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	1.0 J	ND(0.6)	ND(0.3)	ND(0.4)	0.4
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	0.5 J	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

EN10-M (continued)

Parameter / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/9/03	6/3/04	10/26/04	4/13/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	0.7	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	1.9	ND(0.2)	ND(1.0)	1.5 J	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
* 1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	0.8	ND(0.3)	ND(0.8)	1.5 J	ND(1.5)	ND(0.30)	1.0 J	0.6 J
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	4.7	ND(0.3)	4.8	3.2 J	2.6 J	2.6 J	ND(0.34)	2.7 J	1.3 J
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	0.6	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

EN10-M (continued)

Parameter / Sampling Date	9/7/05	8/2/06	11/14/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
* 1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	0.14 J					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN10-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l) **Sampling Date**	11/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Aluminum	232.0	163.0 B	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	30.1 B	ND(25.8)	104.0 B
Arsenic	ND(8.0)	ND(4.5)	ND(2.7)	ND(2.0)	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	29,800.0	27,100.0	25,100.0	21,100.0 E	23,400.0	20,500.0	22,400.0	21,800.0	20,600.0
Chromium	1.1 b	4.0 B	2.8 B	ND(8.3)	12.8	6.0	24.2	6.0 B	2.6 B
Iron	310.0	249.0	ND(22.4)	25.0 B	11.8 B	114.0	**319.0**	ND(30.9)	ND(15.9)
Lead	ND(2.0)	ND(1.6)	ND(1.6)	ND(1.1)	ND(1.5)	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)
Magnesium	9,620.0	10,400.0	9,640.0	8,720.0 E	8,670.0 E	7,840.0	8,490.0	8,090.0	7,650.0
Mercury	ND(0.2)	ND(0.06)	0.04 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	1,570.0 b	2,440.0 BE	1,100.0 B	1,440.0 B	1,640.0 B E	1,300.0	1,190.0 BE	1,100.0 B	1,330.0 B
Sodium	14,400.0	14,700.0	13,800.0 E	17,400.0 E	15,400.0 E	12,800.0	14,500.0	10,500.0	13,500.0
Leachate Indicators (mg/l)									
Ammonia	1.12	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	1.43	ND(0.2)	ND(0.2)
Bicarbonate		19.6	18.3	19.8	21.3	20.5	16.0	22.0	35.0
Chloride	21.3	19.6	21.7	23.5	22.2	23.0	23.0	21.0	23.0
Nitrate	**10.1**	8.40	7.50	7.80	8.20	8.44	3.50	8.10	8.30
Sulfate	44.0	55.5	19.9	40.0	44.3	39.2	56.1	40.0	46.0
Alkalinity	27.0	19.6	18.3	19.8	21.3	20.5	17.0	22.0	35.0
TDS	167.0	184.0	143.0	138.0	28.0	168.0	133.0	140.0	130.0
Hardness	110.0	110.28	102.0	88.6 E	94.1	82.7	25.5	88.0	83.0

EN10-M (continued)

Metals (ug/l) Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/9/03	6/3/04	10/26/04	4/13/05
Aluminum	64.3 B	ND(45.7)	ND(7.3)	ND(10.1)	ND(78.9)	9.0 J	46.8 J	305.0	1,910.00
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.840)	ND(3.320)
Cadmium	ND(0.4)	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.12)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	22,200.0	21,500.0	19,900.0	20,100.0	21,000.0	20,900.0	20,200.0	14,000.0	16,100.0
Chromium	2.6 B	ND(5.0)	3.8 B	6.8 B	3.1 B	36.4	9.6 J	1.960 J	4.910 J
Iron	109.0	16.4 B	ND(17.3)	24.4 B	38.8 B	118.0	30.1 J	**481.0**	**1,640.0**
Lead	ND(2.5)	ND(3.0)	3.8	9.8	ND(3.0)	4.2	4.6 J	11.3	**33.80**
Magnesium	8,460.0	8,120.0	7,420.0	7,560.0	8,450.0	7,830.0	7,560.0	4,530.0 J	6,080.00
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.0300)	0.0700 J
Potassium	1,280.0 B	1,110.0 B	1,120.0 B	1,260.0 B	1,390.0 B	1,190.0 J	1230.0 J	3,600.0	3300 J
Sodium	14,000.0	13,500.0	13,500.0	14,400.0	15,400.0	11,700.0	12,600.0	7,340.0	11,100.0
Leachate Indicators (mg/l)									
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.3	0.4	ND(.2)	ND(0.2)
Bicarbonate	19.0	28.0	29.0	18.0	20.0	20.0	16.0	23.0	23.0
Chloride	23.0	25.0	34.0	26.0	26.0	27.0	26.0	10.0	20.0
Nitrate	7.00	8.20	8.10	9.80	7.50	8.20	8.2	2.5	6.33
Sulfate	38.0	40.0	43.0	36.0	190.0	75.0	42.0	15.0	32.0
Alkalinity	19.0	28.0	29.0	18.0	20.0	20.0	16.0	23.0	23.0
TDS	90.0	130.0	160.0	140.0	196.0	206.0	205.0	34.0	190.0
Hardness	90.0	87.0	80.0	81.0	87.0	84.0	82.0	54.0	65.0

EN10-M (continued)

Metals (ug/l) Sampling Date	9/7/05	8/2/06	11/14/06	7/10/07					
Aluminum	1,580.0	10,900.0	321.0	380.0					
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	4.5 J					
Cadmium	ND(0.327)	ND(0.327)	ND(0.52)	ND(5.0)					
Calcium	8,450.0	5,340.0	1460.0 J	1,200.0 J					
Chromium	8.460 J	34.6	8.7 J	1.9 J					
Iron	**1,170.0**	**10,800.0**	**437.0**	**400.0**					
Lead	**69.8**	**285.0**	16.2	15.0					
Magnesium	2,660.0 J	2,150.0 J	582.0 J	400.0 J					
Mercury	ND(0.03)	0.11 J	ND(0.1800)	ND(0.2)					
Potassium	2,880.0 J	2,320.0 J	1,250.0 J	840.0 J					
Sodium	5,020.0	3,480.0 J	ND(215.0)	1,200.0 J					
Leachate Indicators (mg/l)									
Ammonia	0.45	ND(0.20)	0.45	0.070					
Bicarbonate	21.0	12.00	ND(2.000)	3.10					
Chloride	9.2	4.57	2.86	2.00					
Nitrate	0.83	ND(0.50)	ND(0.50)	0.27					
Sulfate	14.0	4.02	ND(1.000)	1.80					
Alkalinity	21.0	12.00	9.44	3.10					
TDS	90.0	38.00	21.00	14.00					
Hardness	32.0	22.18	6.04	4.70					

Note:

ND( ): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

SW-1
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	**6.0**	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	1.2	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	4.0	3.0 J	3.0	1.8	3.7	3.3	2.9
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

SW-1 (continued)

Parameter / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	3.9	3.7	3.1	3.2 J	2.0 J	1.7 J	ND(0.30)	3.4 J	2.1 J
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

SW-1 (continued)

Parameter / Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	0.17 J					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	2.1 J	ND(0.74)	1.7 J	2.60 J					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-1
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Ammonia	ND(1.0)	ND(0.05)	0.14	ND(0.2)	0.13	ND(0.20)	ND(0.20)	ND(0.2)	0.28
Bicarbonate		25.2	28.2	24.2	29.8	27.5	27.5	32.0	38.0
Chloride	49.6	38.2	35.1	30.3	30.0	38.5	33.7	40.0	40.0
Nitrate	1.7	1.99	1.48	1.70	1.50	1.92	0.789	1.6	1.5
Sulfate	21.8	16.0	18.5	17.0	19.9	20.3	27.1	20.0	21.0
Alkalinity	25	25.2	28.2	24.2	29.8	27.5	34.0	32.0	38.0
TDS	145	588.0	110.0	172.0	94.0	137.0	111.0	110.0	120.0
Hardness	23	63.07	61.6	64.8 E	56.5	55.9	51.0	57.0	60.0

Leachate Indicators / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.6	0.7	ND(0.20)	ND(0.20)
Bicarbonate	24.0	29.0	22.0	28.0	26.0	36.0	26.0	29.0	29.0
Chloride	47.0	44.0	56.0	45.0	58.0	53.0	55.0	52.0	65.0
Nitrate	ND(0.5)	1.6	2.0	1.20	3.30	2.50	2.2	2.44	2.31
Sulfate	21.0	22.0	21.0	20.0	22.0	24.0	4.3	23.0	23.0
Alkalinity	24.0	29.0	22.0	28.0	26.0	36.0	26.0	29.0	29.0
TDS	140.0	120.0	200.0	140.0	175.0	174.0	198.0	157.0	180.0
Hardness	75.0	37.0	57.0	60.0	61.0	67.0	70.0	61.0	81.0

SW-1 (continued)

Leachate Indicators Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Ammonia	0.23	ND(0.20)	0.2	0.074					
Bicarbonate	34.0	33.0	34.0	32.70					
Chloride	53.0	51.0	49.0	49.20					
Nitrate	2.36	2.12	2.73	2.30					
Sulfate	22.0	23.0	20.0	19.20					
Alkalinity	34.0	33.0	34.0	32.70					
TDS	150.0	160.0	190.0	195.00					
Hardness	67.2	56.2	75.8	70.90					

Note:

ND( ): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-2

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	**6.0**	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	0.8 J	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	3.0	3.0 J	4.0 J	3.2	1.8	4.2	3.0
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

SW-2 (continued)

Parameter / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	4.8	**6.9**	4.2	4.7 J	2.6 J	1.7 J	ND(0.30)	4.5 J	1.8 J
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	0.7 J	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

SW-2 (continued)

Parameter Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	2.0 J	0.9 J	2.3 J	130. J					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-2
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Ammonia	1.4	ND(0.05)	0.13	ND(0.2)	0.15	ND(0.20)	ND(0.20)	0.23	ND(0.2)
Bicarbonate		41.1	44.5	41.8	49.0	44.0	44.0	23.0	50.0
Chloride	47.9	48.5	15.1	41.1	42.4	62.6	40.8	44.0	46.0
Nitrate	1.26	1.84	1.12	1.40	1.20	1.67	0.279	1.2	1.2
Sulfate	30	25.0	25.5	31.5	30.8	27.8	28.0	22.0	30.0
Alkalinity	37	41.1	44.5	41.8	49.0	44.0	43.0	23.0	50.0
TDS	174	145.0	128.0	140.0	156.0	207.0	129.0	130.0	150.0
Hardness	30	92.02	92.8	82.6 E	99.0	93.7	64.0	70.0	89.0

Leachate Indicators / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.3	0.3	ND(0.20)	ND(0.20)
Bicarbonate	40.0	49.0	52.0	45.0	44.0	54.0	47.0	52.0	ND(2.00)
Chloride	71.0	56.0	69.0	50.0	80.0	63.0	68.0	61.0	83.0
Nitrate	1.1	1.4	1.8	1.50	1.10	1.70	0.9	1.4	1.47
Sulfate	38.0	37.0	39.0	34.0	30.0	9.8	38.0	39.0	40.0
Alkalinity	40.0	49.0	52.0	45.0	44.0	54.0	47.0	52.0	ND(2.00)
TDS	170.0	180.0	250.0	160.0	246.0	231.0	253.0	168.0	250.0
Hardness	110.0	61.0	110.0	110.0	83.0	107.0	102.0	94.0	121.0

SW-2 (continued)

Leachate Indicators Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Ammonia	ND(0.20)	0.221	0.2	0.049					
Bicarbonate	64.0	62.0	61.0	62.00					
Chloride	74.0	71.0	69.0	67.70					
Nitrate	2.09	0.771	1.73	0.64					
Sulfate	44.0	37.0	37.0	31.80					
Alkalinity	64.0	62.0	61.0	62.00					
TDS	240.0	240.0	190.0	251.00					
Hardness	116.3	97.9	105.2	114.00					

Note:

ND( ): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-3

Historical Analysis of Volatile Organic Compounds

East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	**6.0**	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(0.5)	ND(0.5)	ND(0.3)	0.5
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	1.0 J	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	3.0	**6.0**	3.0	2.4	3.6	4.5	3.3
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

SW-3 (continued)

Parameter Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	0.5	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	4.7	3.4	4.6	4.1 J	4.2 J	1.7 J	ND(0.30)	2.6 J	2.8 J
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

SW-3 (continued)

Parameter / Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	0.6 J	ND(0.18)	ND(0.18)	0.45 J					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	0.34 J					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	0.14 J					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	2.1 J	ND(0.74)	2.2 J	2.90 J					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

***1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene**

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-3
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Ammonia	ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	0.1	ND(0.20)	ND(0.20)	ND(0.2)	ND(0.2)
Bicarbonate		21.0	15.3	17.6	21.3	20.5	20.5	21.0	25.0
Chloride	21.3	20.5	21.1	21.6	25.0	32.4	24.8	35.0	30.0
Nitrate	4.01	3.25	5.25	2.90	3.20	3.34	1.37	3.1	3.4
Sulfate	18.2	16.0	17.4	16.0	18.7	18.6	24.4	20.0	21.0
Alkalinity	17	21.0	15.3	17.6	21.3	20.5	19.0	21.0	25.0
TDS	102	117.0	90.0	106.0	152.0	113.0	89.0	100.0	100.0
Hardness	19	58.82	57.6	64.5 E	59.7	58.2	28.0	43.0	58.0

Leachate Indicators / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/03	10/26/04	4/13/05
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.8	ND(0.20)	ND(0.20)
Bicarbonate	20.0	23.0	23.0	23.0	24.0	21.0	18.0	21.0	23.0
Chloride	35.0	31.0	42.0	32.0	57.0	32.0	33.0	32.0	45.0
Nitrate	3.0	3.1	3.8	3.00	ND(0.5)	3.90	3.8	3.9	3.85
Sulfate	20.0	21.0	21.0	20.0	20.0	20.0	22.0	22.0	23.0
Alkalinity	20.0	23.0	23.0	22.0	24.0	21.0	18.0	21.0	23.0
TDS	150.0	100.0	170.0	110.0	188.0	123.0	166.0	108.0	180.0
Hardness	66.0	34.0	53.0	58.0	67.0	63.0	60.0	56.0	78.0

SW-3 (continued)

Leachate Indicators Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Ammonia	ND(0.20)	0.22	0.2	0.019 J					
Bicarbonate	25.0	26.0	26.0	23.80					
Chloride	35.0	37.0	38.0	42.00					
Nitrate	4.14	ND(0.50)	3.8	3.50					
Sulfate	19.0	20.0	20.0	18.80					
Alkalinity	25.0	26.0	26.0	23.80					
TDS	110.0	170.0	170.0	180.00					
Hardness	59.7	54.5	72.6	68.40					

Note:

ND( ): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-4

Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	6.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	3.0	4.0	3.0 J	2.0 J	1.7	3.2	3.9	2.6
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

SW-4 (continued)

Parameter / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	4.1	3.4	2.5	2.6 J	1.8 J	1.4 J	ND(0.30)	3.3 J	1.9 J
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

SW-4 (continued)

Parameter Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	0.18 J					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	0.14 J					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	1.7 J	1.1 J	1.4 J	2.60 J					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-4
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Ammonia	ND(1.0)	ND(0.05)	0.11	ND(0.2)	0.2	ND(0.20)	ND(0.20)	ND(0.2)	ND(0.2)
Bicarbonate		34.4	30.2	28.6	25.6	27.5	27.5	32.0	31.0
Chloride	35.4	42.4	34.7	30.3	31.8	39.2	38.9	39.0	40.0
Nitrate	3.73	1.79	3.80	1.60	1.80	1.88	0.652	1.6	1.4
Sulfate	19.1	15.1	18.5	16.0	23.5	18.2	27.1	18.0	22.0
Alkalinity	18	34.4	30.2	28.6	25.6	27.5	27.0	32.0	31.0
TDS	131	141.0	113.0	74.0	110.0	133.0	109.0	110.0	120.0
Hardness	18	65.67	62.5	42.5 E	62.9	57.1	40.5	56.0	67.0

Leachate Indicators / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.6	0.9	ND(0.20)	ND(0.20)
Bicarbonate	28.0	31.0	34.0	32.0	32.0	30.0	29.0	31.0	34.0
Chloride	47.0	46.0	62.0	47.0	66.0	56.0	65.0	54.0	110.0
Nitrate	1.6	1.7	2.1	1.10	2.10	2.50	2.3	2.51	2.31
Sulfate	19.0	22.0	22.0	21.0	21.0	24.0	26.0	23.0	23.0
Alkalinity	28.0	31.0	34.0	32.0	32.0	30.0	29.0	31.0	34.0
TDS	100.0	130.0	190.0	150.0	186.0	166.0	212.0	262.0	290.0
Hardness	77.0	38.0	60.0	61.0	63.0	64.0	65.0	64.0	77.0

SW-4 (continued)

Leachate Indicators Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Ammonia	0.29	ND(0.20)	0.2	0.054					
Bicarbonate	39.0	32.0	34.0	33.20					
Chloride	61.0	53.0	51.0	50.10					
Nitrate	2.12	2.16	2.7	2.30					
Sulfate	20.0	26.0	22.0	19.20					
Alkalinity	39.0	32.0	34.0	33.20					
TDS	210.0	180.0	260.0	199.00					
Hardness	75.5	49.9	74.2	69.70					

Note:

ND( ): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-5

Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	5.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	2.0 J	1.0 J	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	**5.7**	ND(3.0)	ND(3.0)	3.0 J	2.0 J	1.0	2.5	2.7	1.6
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

SW-5 (continued)

Parameter Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	0.6 J
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	0.4 J
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	3.0	ND(0.3)	1.7	2.6 J	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	1.3 J
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

SW-5 (continued)

Parameter / Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	0.37 J					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	0.32 J					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	0.90 J					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-5
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Ammonia	ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	ND(0.20)	ND(0.2)	ND(0.2)
Bicarbonate		44.7	36.4	37.4	40.5	40.0	40.0	49.0	45.0
Chloride	105	**3,500.0**	88.9	95.1	75.2	77.5	81.5	86.0	86.0
Nitrate	4.59	1.86	3.26	ND(0.2)	3.50	3.92	1.43	3.4	3.5
Sulfate	41.8	**482.0**	38.9	32.5	30.8	29.0	65.3	37.0	32.0
Alkalinity	38	44.7	36.4	37.4	40.5	40.0	43.0	49.0	45.0
TDS	319	71.0	228.0	278.0	254.0	205.0	202.0	220.0	230.0
Hardness	46	1,186.07	131.0	112.0 E	125.0	114.0	65.0	130.0	130.0

Leachate Indicators / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.3	ND(0.2)	ND(0.20)	ND(0.20)
Bicarbonate	52.0	39.0	58.0	56.0	51.0	46.0	50.0	44.0	74.0
Chloride	92.0	97.0	89.0	90.0	81.0	94.0	90.0	94.0	110.0
Nitrate	2.9	4.0	3.1	2.20	3.10	3.60	3.6	3.75	2.52
Sulfate	47.0	29.0	42.0	37.0	36.0	32.0	41.0	31.0	47.0
Alkalinity	52.0	39.0	58.0	56.0	50.0	46.0	50.0	44.0	74.0
TDS	200.0	240.0	320.0	240.0	271.0	300.0	343.0	373.0	330.0
Hardness	150.0	74.0	120.0	140.0	100.0	90.0	130.0	97.0	160.0

SW-5 (continued)

Leachate Indicators Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Ammonia	ND(0.20)	0.223	0.2	0.150					
Bicarbonate	59.0	41.0	50.0	62.10					
Chloride	120.0	64.0	64.0	77.00					
Nitrate	3.57	1.87	2.09	1.20					
Sulfate	34.0	32.0	26.0	25.00					
Alkalinity	59.0	41.0	50.0	62.10					
TDS	320.0	220.0	240.0	274.00					
Hardness	132.9	72.9	106.6	111.00					

Note:

ND( ): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-6

Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	5.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	1.0 J	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

SW-6 (continued)

Parameter Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

SW-6 (continued)

Parameter / Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-6
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Ammonia	ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	ND(0.20)	0.22	ND(0.2)
Bicarbonate		35.6	45.5	39.6	55.4	41.0	41.0	33.0	47.0
Chloride	144	94.7	42.2	38.9	38.6	98.1	23.0	77.0	29.0
Nitrate	ND(1.0)	1.07	0.31	ND(0.2)	0.49	1.05	ND(0.05)	ND(0.5)	ND(0.5)
Sulfate	14.6	16.9	14.8	14.5	18.7	18.6	15.4	9.2	13.0
Alkalinity	45	35.6	45.5	39.6	55.4	41.0	29.0	33.0	47.0
TDS	363	239.0	130.0	104.0	162.0	252.0	75.0	150.0	100.0
Hardness	40	71.02	65.3	65.8 E	76.1	65.7	44.0	49.0	57.0

Leachate Indicators / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.4	ND(0.2)	ND(0.20)	ND(0.20)
Bicarbonate	39.0	44.0	37.0	13.0	34.0	44.0	42.0	48.0	42.0
Chloride	150.0	44.0	65.0	14.0	520.0	82.0	100.0	67.0	190.0
Nitrate	ND(0.5)	1.6	ND(0.5)	ND(0.5)	ND(0.5)	0.80	ND(0.5)	0.974	0.844
Sulfate	19.0	16.0	16.0	25.0	26.0	11.0	17.0	17.0	22.0
Alkalinity	39.0	44.0	37.0	13.0	34.0	44.0	42.0	48.0	42.0
TDS	220.0	130.0	180.0	64.0	903.0	401.0	280.0	350.0	410.0
Hardness	85.0	34.0	50.0	33.0	76.0	63.0	59.0	61.0	80.0

SW-6 (continued)

Leachate Indicators Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Ammonia	ND(0.20)	0.219	0.5	0.098					
Bicarbonate	45.0	58.0	55.0	57.30					
Chloride	60.0	94.0	74.0	73.70					
Nitrate	ND(0.500)	ND(0.50)	1.18	0.57					
Sulfate	24.0	23.0	18.0	17.60					
Alkalinity	45.0	58.0	55.0	57.30					
TDS	190.0	13,000.0	230.0	218.00					
Hardness	80.6	63.0	83.5	78.30					

Note:

ND( ): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-7

Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY

Reported in Micrograms per Liter

Parameter / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Chloromethane	ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)
Bromomethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)
Vinyl Chloride	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)
Methylene Chloride	ND(5.0)	4.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)
1,1-Dichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)
1,1-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)
Chloroform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)
Carbon Tetrachloride	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)
Bromodichloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)
1,2-Dichloropropane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)
Benzene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)
Dibromochloromethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)
Bromoform	ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)
Toluene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)
Chlorobenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)
Ethylbenzene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)

SW-7 (continued)

Parameter / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.3)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.1)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.7)	ND(1.7)	ND(6.2)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

SW-7 (continued)

Parameter / Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)					
Bromomethane	ND(1.3)	ND(1.3)	ND(1.3)	ND(10.00)					
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)					
Chloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(10.00)					
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)					
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)					
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)					
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)					
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)					
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)					
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)					
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)					
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)					
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)					
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)					
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)					
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)					
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)					
2-Chloroethylvinyl Ether	ND(6.2)	ND(6.2)	ND(6.2)	ND(10.00)					
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)					
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)					
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)					
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)					
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)					
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)					
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)					
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)					
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)					

Note:

ND( ): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-7
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators / Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00
Ammonia	ND(1.0)	ND(0.05)	0.07	ND(0.2)	ND(0.1)	ND(0.20)	ND(0.20)	ND(0.2)	ND(0.2)
Bicarbonate		48.4	66.0	50.6	61.8	48.0	48.0	45.0	55.0
Chloride	**4,316**	**4,470.0**	**2,750.0**	**3,810.0**	**3,620.0**	**3,080.0**	**5,835.0**	**1,500.0**	**3,300.0**
Nitrate	5	0.62	0.32	0.44	0.30	0.67	ND(0.05)	ND(0.5)	ND(0.5)
Sulfate	**705**	**808.0**	248.0	**530.0**	**447.0**	**416.0**	**953.0**	28.0	**270.0**
Alkalinity	56	48.4	66.0	50.6	61.8	48.0	61.0	45.0	55.0
TDS	8,840	3,260.0	5,890.0	226.0	274.0	5,450.0	8,860.0	2,400.0	5,300.0
Hardness	341	1,435.54	1,848.0	1,200.0 E	1,050.0	934.0	92.0	510.0	1,200.0

Leachate Indicators / Sampling Date	4/24/01	9/19/01	4/8/02	9/10/02	4/15/03	10/8/03	6/4/04	10/26/04	4/13/05
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.4	**2.8**	ND(0.20)	0.329
Bicarbonate	44.0	54.0	53.0	51.0	44.0	55.0	46.0	43.0	48.0
Chloride	**1,800.0**	**2,600.0**	**2,500.0**	**3,600.0**	**1,100.0**	**3,900.0**	**1,500.0**	**1,300.0**	**2,400.0**
Nitrate	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.80	ND(0.5)	ND(0.5)	1.15	0.654
Sulfate	240.0	**370.0**	**270.0**	**310.0**	180.0	**750.0**	**440.0**	**190.0**	**380.0**
Alkalinity	44.0	54.0	53.0	52.0	44.0	56.0	46.0	43.0	48.0
TDS	2,700.0	3,600.0	4,600.0	6,800.0	2,108.0	8,213.0	6,010.0	2,393.0	4,300.0
Hardness	530.0	140.0	730.0	1,200.0	320.0	668.0	209.0	390.0	667.0

SW-7 (continued)

Leachate Indicators Sampling Date	9/7/05	8/1/06	11/21/06	7/10/07					
Ammonia	ND(0.20)	0.635	ND(0.200)	0.097					
Bicarbonate	65.0	26.0	60.0	53.20					
Chloride	**2,600.0**	**2,500.0**	**1,400.0**	**1,460.00**					
Nitrate	ND(0.500)	ND(0.50)	0.71	0.44					
Sulfate	**350.0**	**370.0**	220.0	**199.00**					
Alkalinity	35.0	26.0	60.0	53.20					
TDS	2,600.0	5,100.0	2,800.0	2,800.00					
Hardness	778.1	691.9	608.1	478.00					

Note:

ND( ): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

APPENDIX 1

"Sample Data Summary Package"

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-2083-1

SDG Number: 220-2083

Job Description: East Northport Groundwater

For:
R & C Formation Ltd.
705 Bedford Ave.
Suite 2B
Bellmore, NY 11710

Attention: Mr. Robert Casson

Designee for
Paul Hobart
Project Manager I
paul.hobart@testamericainc.com
08/08/2007
Revision: 1

STL Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

SAMPLE SUMMARY

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-2083-1	CW1-S	Water	07/09/2007 1314	07/10/2007 1800
220-2083-2	CW1-M	Water	07/09/2007 1341	07/10/2007 1800
220-2083-3	CW2-M	Water	07/09/2007 1143	07/10/2007 1800
220-2083-4	EN1-M	Water	07/09/2007 1228	07/10/2007 1800
220-2083-5	EN6-S	Water	07/09/2007 1057	07/10/2007 1800
220-2083-6	EN6-M	Water	07/09/2007 1033	07/10/2007 1800
220-2083-7	EN7-M	Water	07/09/2007 0951	07/10/2007 1800
220-2083-8	EN9-M	Water	07/09/2007 0907	07/10/2007 1800
220-2083-9	CW-DUP	Water	07/09/2007 0000	07/10/2007 1800
220-2083-10TB	TRIP BLANK	Water	07/09/2007 0000	07/10/2007 1800

SAMPLE SUMMARY

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-2096-1	SW-1	Water	07/10/2007 0932	07/11/2007 1533
220-2096-2	SW-2	Water	07/10/2007 1022	07/11/2007 1533
220-2096-3	SW-3	Water	07/10/2007 1034	07/11/2007 1533
220-2096-4	SW-4	Water	07/10/2007 0940	07/11/2007 1533
220-2096-5	SW-5	Water	07/10/2007 1004	07/11/2007 1533
220-2096-6	SW-6	Water	07/10/2007 1047	07/11/2007 1533
220-2096-7	SW-7	Water	07/10/2007 0952	07/11/2007 1533
220-2096-8	SW-DUP	Water	07/10/2007 0000	07/11/2007 1533
220-2096-9TB	TRIP BLANK-SW	Water	07/10/2007 0000	07/11/2007 1533
220-2096-10	CW4-M	Water	07/10/2007 0843	07/11/2007 1533
220-2096-11	CW4-S	Water	07/10/2007 0859	07/11/2007 1533
220-2096-12	EN10-M	Water	07/10/2007 1435	07/11/2007 1533
220-2096-13TB	TB-GW	Water	07/10/2007 0000	07/11/2007 1533
220-2096-14FB	FB 7-10	Water	07/10/2007 1420	07/11/2007 1533

Case Narrative For Job: 220-J2083-1

Client: R & C Formation Ltd.
Date: August 8, 2007

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

Peter Frick
Peter Frick
Laboratory Director

August 8, 2007
Date

Job Narrative
220-J2083-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Case Narrative For Job: 220-J2096-1

Client: R & C Formation Ltd.
Date: July 23, 2007

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

Peter Frick
Peter Frick
Laboratory Director

July 23, 2007
Date

Job Narrative
220-J2096-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Case Narrative for Job: 220-2096-2

Client: R & C Formation Ltd.
Date: August 8, 2007

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

Peter Frick
Peter Frick
Laboratory Director

August 8, 2007
Date

Job Narrative
220-J2096-2

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

DATA REPORTING QUALIFIERS

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	M	Manual integrated compound.
	B	The analyte was found in an associated blank, as well as in the sample.
Metals		
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.
General Chemistry		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

2083

Chain of Custody Record

"PASSED RAD SCREEN"

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: RtC Formation LTD	Project Manager: BOB Casson	Date: 7/9/07	Chain of Custody Number: 349957
Address: 705 Bedford Ave Suite 2B	Telephone Number (Area Code)/Fax Number: (516) 797-7330 / (516) 797-7339	Lab Number	Page 1 of 1
City: Bellmore; State: NY; Zip Code: 11710	Site Contact	Lab Contact	
Project Name and Location (State): East Northport Ground water	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC EPA 624	METALS*	LEACHATE INDICATORS**	Special Instructions/ Conditions of Receipt
CW1-S ✓ (01)	7/9/07	1314		✓									✓	✓	✓	Trip Blank rec'd
CW1-M ✓ (02)		1341											✓	✓	✓	w/ Samples - 1-via
CW2-M ✓ (03)		1143											✓	✓	✓	w/small bubble
EN1-M ✓ (04)		1228											✓	✓	✓	KS 7/11/07
EN6-S ✓ (05)		1057											✓	✓	✓	
EN6-M ✓ (06)		1033											✓	✓	✓	
EN7-M ✓ (07)		0951											✓	✓	✓	COOLER
EN9-M ✓ (08)		0907											✓	✓	✓	
CW-DUP ✓ (09)		0900											✓	✓	✓	#1 2.4°
(MS/MSD) EN7-M		0951											✓	✓	✓	#2 1.0°
Trip Blank (KS) 7/11/07 (10)																

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	7/10/07	1100	1. Received By: Richard L Ford	7/10/07	1100
2. Relinquished By			2. Received By: Richard L Ford	7/10/07	1800
3. Relinquished By			3. Received By		

Comments: *= AL, As, Cr, Cd, Ca, Fe, Pb, Mg, Hg, K, NA, **= Alkalinity/Bicarbonate, Ammonia, Nitrate, Chloride, TDS, Hardness, Sulfate

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

2096

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: R+C Formation LTD	Project Manager: Bob Casson	Date: 7/10/07	Chain of Custody Number: 349955
Address: 705 Bedford Ave Suite 2B	Telephone Number (Area Code)/Fax Number: (516) 797-7330 / (516) 797-7339	Lab Number	Page 1 of 1
City: Bellmore; State: NY; Zip Code: 11710	Site Contact	Lab Contact	
Project Name and Location (State): East North Port Ground Water	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Air	Aqueous	Sed	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOCs EPA 624	Metals	LEACHATE indicator	Special Instructions/ Conditions of Receipt
CW4-M	10	7/10/07	0843		✓											✓	✓	✓	
CW4-S	11		0859													✓	✓	✓	
EN10-M	12		1435													✓	✓	✓	
TB-GW	13		—													✓			vial has small bubble
FB 7-10	14		1420													✓			KB 7/11/07

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: M. Carpenter	7/11/07	1230	1. Received By: Richard Ford	7/11/07	1230
2. Relinquished By			2. Received By: K Bleuzen	7/11/07	1533
3. Relinquished By			3. Received By		

Comments: ①3.4°C ②8.3°C water only in the cooler

*= AL, AS, Cr, Cd, Cu, Fe, Pb, Mg, Hg, Ti, Na / **= Alkalinity/Bicarbonate, Ammonia, Nitrate, chloride, TDS, Hardness, Sulfate

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

"BACKGROUND SCREEN"

Chain of Custody Record

2096

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: RtC Formation LTD	Project Manager: Bob Casson	Date: 7/10/07	Chain of Custody Number: 349956
Address: 705 Bedford Ave Suite 2B	Telephone Number (Area Code)/Fax Number: (516) 797-7330 (516) 797-7339	Lab Number	Page 1 of 1
City: Bellmore; State: NY; Zip Code: 11710	Site Contact	Lab Contact	
Project Name and Location (State): East North Port Surface Water	Carrier/Waybill Number: —		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC EPA 624	Leachate Indicators	Special Instructions/ Conditions of Receipt
SW-1 (01)	7/10/07	0932		✓									–	–	
SW-2 (02)		1022											–	–	
SW-3 (03)		1034											–	–	
SW-4 (04)		0940											–	–	
SW-5 (05)		1004											–	–	
SW-6 (06)		1047											–	–	
SW-7 (07)		0952											–	–	
MS/MSD (SW-2)		1022											–	–	
SW-Dup (08)		0000											–	–	
Trip Blank - SW (09)		—											–		1-vial recd. has small bubble. KB 7/11/07

Analysis (Attach list if more space is needed)

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: M. Carpentier	7/11/07	1230	1. Received By: Richard J Rd	7/11/07	1230
2. Relinquished By			2. Received By: K Blackburn	7/11/07	1533
3. Relinquished By			3. Received By		

Comments: *Alkalinity / Bicarbonate, Ammonia, Nitrate, Chloride, TDS (1) 3.4°C (2) 8.3°C water only

"PASSED RAD SCREEN"

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SAMPLE RESULTS

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: **CW1-S**

Lab Sample ID: 220-2083-1
Client Matrix: Water

Date Sampled: 07/09/2007 1314
Date Received: 07/10/2007 1800

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 0135
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1310.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	0.50	J B	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	77 - 127
4-Bromofluorobenzene	76	68 - 126
Toluene-d8 (Surr)	108	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: **CW1-M**

Lab Sample ID: 220-2083-2
Client Matrix: Water

Date Sampled: 07/09/2007 1341
Date Received: 07/10/2007 1800

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 0201
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1311.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	0.27	J	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	1.9	J	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	0.46	J M	0.18	5.0
1,2-Dichlorobenzene	0.20	J M	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	77 - 127
4-Bromofluorobenzene	78	68 - 126
Toluene-d8 (Surr)	108	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: CW2-M

Lab Sample ID: 220-2083-3
Client Matrix: Water

Date Sampled: 07/09/2007 1143
Date Received: 07/10/2007 1800

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 0227
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1312.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	77 - 127
4-Bromofluorobenzene	78	68 - 126
Toluene-d8 (Surr)	109	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: **EN1-M**

Lab Sample ID: 220-2083-4
Client Matrix: Water

Date Sampled: 07/09/2007 1228
Date Received: 07/10/2007 1800

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 0856
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1313.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	1.0	J	0.57	5.0
Methylene Chloride	0.48	J B	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	1.6	J	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	0.97	J	0.12	5.0
1,1,1-Trichloroethane	3.0	J	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	0.87	J	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	77 - 127
4-Bromofluorobenzene	80	68 - 126
Toluene-d8 (Surr)	107	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: EN6-S

Lab Sample ID: 220-2083-5
Client Matrix: Water

Date Sampled: 07/09/2007 1057
Date Received: 07/10/2007 1800

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 0922
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1314.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	0.58	J	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	0.59	J M	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	77 - 127
4-Bromofluorobenzene	78	68 - 126
Toluene-d8 (Surr)	109	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: **EN6-M**

Lab Sample ID: 220-2083-6
Client Matrix: Water

Date Sampled: 07/09/2007 1033
Date Received: 07/10/2007 1800

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 0949
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1315.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U M	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U M	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U M	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	0.91	J M	0.29	5.0
cis-1,2-Dichloroethene	4.5	J	0.32	5.0
Chloroform	0.17	J M	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	1.1	J	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	6.9		0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	77 - 127
4-Bromofluorobenzene	76	68 - 126
Toluene-d8 (Surr)	109	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: **EN7-M**

Lab Sample ID: 220-2083-7
Client Matrix: Water

Date Sampled: 07/09/2007 0951
Date Received: 07/10/2007 1800

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1015
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1316.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	1.1	J	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U M	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U M	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	1.5	J M	0.29	5.0
cis-1,2-Dichloroethene	6.5		0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	0.56	J	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	8.9		0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	0.91	J	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	1.6	J	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	1.7	J	0.18	5.0
1,2-Dichlorobenzene	0.55	J M	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	77 - 127
4-Bromofluorobenzene	78	68 - 126
Toluene-d8 (Surr)	109	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: **EN9-M**

Lab Sample ID: 220-2083-8
Client Matrix: Water

Date Sampled: 07/09/2007 0907
Date Received: 07/10/2007 1800

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1042
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1317.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	77 - 127
4-Bromofluorobenzene	78	68 - 126
Toluene-d8 (Surr)	110	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: CW-DUP

Lab Sample ID: 220-2083-9
Client Matrix: Water

Date Sampled: 07/09/2007 0000
Date Received: 07/10/2007 1800

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1108
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1318.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	0.26	J	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	2.1	J	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	0.49	J M	0.18	5.0
1,2-Dichlorobenzene	0.21	J M	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	77 - 127
4-Bromofluorobenzene	78	68 - 126
Toluene-d8 (Surr)	108	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: CW4-M

Lab Sample ID: 220-2096-10
Client Matrix: Water

Date Sampled: 07/10/2007 0843
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1506
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1327.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U M	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	1.1	J M	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	0.41	J	0.12	5.0
1,1,1-Trichloroethane	1.2	J M	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	0.36	J M	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U M	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	77 - 127
4-Bromofluorobenzene	75	68 - 126
Toluene-d8 (Surr)	110	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: CW4-S

Lab Sample ID: 220-2096-11
Client Matrix: Water

Date Sampled: 07/10/2007 0859
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1533
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1328.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	77 - 127
4-Bromofluorobenzene	74	68 - 126
Toluene-d8 (Surr)	110	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: EN10-M

Lab Sample ID: 220-2096-12
Client Matrix: Water

Date Sampled: 07/10/2007 1435
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1559
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1329.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	0.14	J	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	77 - 127
4-Bromofluorobenzene	75	68 - 126
Toluene-d8 (Surr)	109	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: **TB-GW**

Lab Sample ID: 220-2096-13TB
Client Matrix: Water

Date Sampled: 07/10/2007 0000
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 0042
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1308.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	2.1	J B	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	77 - 127
4-Bromofluorobenzene	77	68 - 126
Toluene-d8 (Surr)	108	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: FB 7-10

Lab Sample ID: 220-2096-14FB
Client Matrix: Water

Date Sampled: 07/10/2007 1420
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 0108
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1309.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	1.1	J B	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	77 - 127
4-Bromofluorobenzene	76	68 - 126
Toluene-d8 (Surr)	108	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: SW-1

Lab Sample ID: 220-2096-1
Client Matrix: Water

Date Sampled: 07/10/2007 0932
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1134
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1319.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	0.17	J M	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	2.6	J	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	77 - 127
4-Bromofluorobenzene	75	68 - 126
Toluene-d8 (Surr)	107	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: SW-2

Lab Sample ID: 220-2096-2
Client Matrix: Water

Date Sampled: 07/10/2007 1022
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/18/2007 0224
Date Prepared: N/A

Analysis Batch: 220-7964

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9086.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	1.3	J	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	77 - 127
4-Bromofluorobenzene	93	68 - 126
Toluene-d8 (Surr)	105	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: SW-3

Lab Sample ID: 220-2096-3
Client Matrix: Water

Date Sampled: 07/10/2007 1034
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1227
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1321.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U M	0.29	5.0
cis-1,2-Dichloroethene	5.0	U M	0.32	5.0
Chloroform	0.45	J	0.12	5.0
1,1,1-Trichloroethane	0.34	J M	0.13	5.0
Carbon tetrachloride	0.14	J M	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U M	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	2.9	J	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	77 - 127
4-Bromofluorobenzene	76	68 - 126
Toluene-d8 (Surr)	108	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: SW-4

Lab Sample ID: 220-2096-4
Client Matrix: Water

Date Sampled: 07/10/2007 0940
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1254
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1322.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	0.18	J M	0.12	5.0
1,1,1-Trichloroethane	0.14	J M	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U M	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	2.6	J	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	77 - 127
4-Bromofluorobenzene	76	68 - 126
Toluene-d8 (Surr)	109	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: SW-5

Lab Sample ID: 220-2096-5
Client Matrix: Water

Date Sampled: 07/10/2007 1004
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1320
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1323.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U M	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U M	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	0.37	J M	0.29	5.0
cis-1,2-Dichloroethene	5.0	U M	0.32	5.0
Chloroform	5.0	U M	0.12	5.0
1,1,1-Trichloroethane	0.32	J M	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U M	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U M	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	0.90	J	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	77 - 127
4-Bromofluorobenzene	74	68 - 126
Toluene-d8 (Surr)	109	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: SW-6

Lab Sample ID: 220-2096-6
Client Matrix: Water

Date Sampled: 07/10/2007 1047
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1347
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1324.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	77 - 127
4-Bromofluorobenzene	74	68 - 126
Toluene-d8 (Surr)	110	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: **SW-7**

Lab Sample ID: 220-2096-7
Client Matrix: Water

Date Sampled: 07/10/2007 0952
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1414
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1325.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	77 - 127
4-Bromofluorobenzene	74	68 - 126
Toluene-d8 (Surr)	109	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: SW-DUP

Lab Sample ID: 220-2096-8
Client Matrix: Water

Date Sampled: 07/10/2007 0000
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 1440
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1326.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	5.0	U	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U M	0.29	5.0
cis-1,2-Dichloroethene	5.0	U M	0.32	5.0
Chloroform	0.43	J	0.12	5.0
1,1,1-Trichloroethane	0.32	J M	0.13	5.0
Carbon tetrachloride	0.12	J M	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U M	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	2.9	J	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	77 - 127
4-Bromofluorobenzene	75	68 - 126
Toluene-d8 (Surr)	109	77 - 123

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: **TRIP BLANK-SW**

Lab Sample ID: 220-2096-9TB
Client Matrix: Water

Date Sampled: 07/10/2007 0000
Date Received: 07/11/2007 1533

624 Purgeable Organic Compounds by GC/MS

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/12/2007 0015
Date Prepared: N/A

Analysis Batch: 220-7794

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1307.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.24	10
Vinyl chloride	10	U	0.28	10
Bromomethane	10	U	0.51	10
Chloroethane	10	U	0.29	10
1,1-Dichloroethene	5.0	U	0.57	5.0
Methylene Chloride	2.1	J B	0.46	5.0
trans-1,2-Dichloroethene	5.0	U	0.47	5.0
Trichlorofluoromethane	10	U	0.31	10
1,1-Dichloroethane	5.0	U	0.29	5.0
cis-1,2-Dichloroethene	5.0	U	0.32	5.0
Chloroform	5.0	U	0.12	5.0
1,1,1-Trichloroethane	5.0	U	0.13	5.0
Carbon tetrachloride	5.0	U	0.12	5.0
Benzene	5.0	U	0.070	5.0
1,2-Dichloroethane	5.0	U	0.040	5.0
Trichloroethene	5.0	U	0.23	5.0
1,2-Dichloropropane	5.0	U	0.20	5.0
Bromodichloromethane	5.0	U	0.16	5.0
2-Chloroethyl vinyl ether	10	U	0.22	10
cis-1,3-Dichloropropene	5.0	U	0.23	5.0
Toluene	5.0	U	0.24	5.0
trans-1,3-Dichloropropene	5.0	U	0.25	5.0
1,1,2-Trichloroethane	5.0	U	0.25	5.0
Tetrachloroethene	5.0	U	0.45	5.0
Dibromochloromethane	5.0	U	0.23	5.0
Chlorobenzene	5.0	U	0.16	5.0
Ethylbenzene	5.0	U	0.16	5.0
Bromoform	5.0	U	0.26	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.10	5.0
Acrolein	5.0	U	2.0	5.0
Acrylonitrile	10	U	0.44	10
1,3-Dichlorobenzene	5.0	U	0.24	5.0
1,4-Dichlorobenzene	5.0	U	0.18	5.0
1,2-Dichlorobenzene	5.0	U	0.10	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	77 - 127
4-Bromofluorobenzene	76	68 - 126
Toluene-d8 (Surr)	107	77 - 123

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: CW1-S

Lab Sample ID: 220-2083-1
Client Matrix: Water

Date Sampled: 07/09/2007 1314
Date Received: 07/10/2007 1800

ILM04.0 CLP Mercury by Cold Vapor

Method: ILM04.0
Preparation: ILM04.0 /HG
Dilution: 1.0
Date Analyzed: 07/12/2007 1632
Date Prepared: 07/12/2007 1111

Analysis Batch: 220-7791
Prep Batch: 220-7766

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method: ILM04.0/ICP
Preparation: ILM04.0
Dilution: 1.0
Date Analyzed: 07/13/2007 1459
Date Prepared: 07/13/2007 1300

Analysis Batch: 220-7831
Prep Batch: 220-7840

Instrument ID: TJA Trace ICAP
Lab File ID: W071307
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	530		29	200
Arsenic	42		2.8	10
Calcium	15700		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	2.2	J	0.80	10
Iron	19700		29	100
Potassium	18300		91	5000
Magnesium	9100		16	5000
Sodium	30600		180	5000
Lead	6.4		2.6	3.0

SM 2340B Hardness by Calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/13/2007 1459
Date Prepared: N/A

Analysis Batch: 220-7850

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	76.5		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: CW1-M

Lab Sample ID: 220-2083-2
Client Matrix: Water

Date Sampled: 07/09/2007 1341
Date Received: 07/10/2007 1800

ILM04.0 CLP Mercury by Cold Vapor

Method:	ILM04.0	Analysis Batch: 220-7791	Instrument ID:	Perkin Elmer FIMS
Preparation:	ILM04.0 /HG	Prep Batch: 220-7766	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/12/2007 1636		Final Weight/Volume:	50 mL
Date Prepared:	07/12/2007 1111			

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method:	ILM04.0/ICP	Analysis Batch: 220-7831	Instrument ID:	TJA Trace ICAP
Preparation:	ILM04.0	Prep Batch: 220-7840	Lab File ID:	W071307
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2007 1526		Final Weight/Volume:	50 mL
Date Prepared:	07/13/2007 1300			

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	200	U	29	200
Arsenic	59		2.8	10
Calcium	17000		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	3.0	J	0.80	10
Iron	7500		29	100
Potassium	70700		91	5000
Magnesium	16500		16	5000
Sodium	118000		180	5000
Lead	3.0	U	2.6	3.0

SM 2340B Hardness by Calculation

Method:	SM 2340B	Analysis Batch: 220-7850	Instrument ID:	NONE
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	07/13/2007 1526		Final Weight/Volume:	
Date Prepared:	N/A			

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	110		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: CW2-M

Lab Sample ID: 220-2083-3
Client Matrix: Water

Date Sampled: 07/09/2007 1143
Date Received: 07/10/2007 1800

ILM04.0 CLP Mercury by Cold Vapor

Method:	ILM04.0	Analysis Batch: 220-7791	Instrument ID:	Perkin Elmer FIMS
Preparation:	ILM04.0 /HG	Prep Batch: 220-7766	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/12/2007 1637		Final Weight/Volume:	50 mL
Date Prepared:	07/12/2007 1111			

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method:	ILM04.0/ICP	Analysis Batch: 220-7831	Instrument ID:	TJA Trace ICAP
Preparation:	ILM04.0	Prep Batch: 220-7840	Lab File ID:	W071307
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2007 1531		Final Weight/Volume:	50 mL
Date Prepared:	07/13/2007 1300			

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	200	U	29	200
Arsenic	10	U	2.8	10
Calcium	18100		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	10	U	0.80	10
Iron	72	J	29	100
Potassium	6700		91	5000
Magnesium	7000		16	5000
Sodium	20300		180	5000
Lead	3.0	U	2.6	3.0

SM 2340B Hardness by Calculation

Method:	SM 2340B	Analysis Batch: 220-7850	Instrument ID:	NONE
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	07/13/2007 1531		Final Weight/Volume:	
Date Prepared:	N/A			

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	74.0		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: EN1-M

Lab Sample ID: 220-2083-4
Client Matrix: Water

Date Sampled: 07/09/2007 1228
Date Received: 07/10/2007 1800

ILM04.0 CLP Mercury by Cold Vapor

Method: ILM04.0
Preparation: ILM04.0 /HG
Dilution: 1.0
Date Analyzed: 07/12/2007 1638
Date Prepared: 07/12/2007 1111

Analysis Batch: 220-7791
Prep Batch: 220-7766

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method: ILM04.0/ICP
Preparation: ILM04.0
Dilution: 1.0
Date Analyzed: 07/13/2007 1536
Date Prepared: 07/13/2007 1300

Analysis Batch: 220-7831
Prep Batch: 220-7840

Instrument ID: TJA Trace ICAP
Lab File ID: W071307
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	200	U	29	200
Arsenic	10	U	2.8	10
Calcium	24200		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	1.9	J	0.80	10
Iron	100	U	29	100
Potassium	1200	J	91	5000
Magnesium	9200		16	5000
Sodium	17800		180	5000
Lead	3.0	U	2.6	3.0

SM 2340B Hardness by Calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/13/2007 1536
Date Prepared: N/A

Analysis Batch: 220-7850

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	98.1		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: EN6-S

Lab Sample ID: 220-2083-5
Client Matrix: Water

Date Sampled: 07/09/2007 1057
Date Received: 07/10/2007 1800

ILM04.0 CLP Mercury by Cold Vapor

Method:	ILM04.0	Analysis Batch: 220-7791	Instrument ID:	Perkin Elmer FIMS
Preparation:	ILM04.0 /HG	Prep Batch: 220-7766	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/12/2007 1638		Final Weight/Volume:	50 mL
Date Prepared:	07/12/2007 1111			

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method:	ILM04.0/ICP	Analysis Batch: 220-7831	Instrument ID:	TJA Trace ICAP
Preparation:	ILM04.0	Prep Batch: 220-7840	Lab File ID:	W071307
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2007 1540		Final Weight/Volume:	50 mL
Date Prepared:	07/13/2007 1300			

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	200	U	29	200
Arsenic	10	U	2.8	10
Calcium	11700		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	6.1	J	0.80	10
Iron	68	J	29	100
Potassium	1400	J	91	5000
Magnesium	5500		16	5000
Sodium	23100		180	5000
Lead	3.0	U	2.6	3.0

SM 2340B Hardness by Calculation

Method:	SM 2340B	Analysis Batch: 220-7850	Instrument ID:	NONE
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	07/13/2007 1540		Final Weight/Volume:	
Date Prepared:	N/A			

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	51.7		1.0	1.0

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: EN6-M

Lab Sample ID: 220-2083-6
Client Matrix: Water

Date Sampled: 07/09/2007 1033
Date Received: 07/10/2007 1800

ILM04.0 CLP Mercury by Cold Vapor

Method: ILM04.0
Preparation: ILM04.0 /HG
Dilution: 1.0
Date Analyzed: 07/12/2007 1639
Date Prepared: 07/12/2007 1111

Analysis Batch: 220-7791
Prep Batch: 220-7766

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method: ILM04.0/ICP
Preparation: ILM04.0
Dilution: 1.0
Date Analyzed: 07/13/2007 1545
Date Prepared: 07/13/2007 1300

Analysis Batch: 220-7831
Prep Batch: 220-7840

Instrument ID: TJA Trace ICAP
Lab File ID: W071307
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	200	U	29	200
Arsenic	10	U	2.8	10
Calcium	64900		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	10	U	0.80	10
Iron	100	U	29	100
Potassium	3300	J	91	5000
Magnesium	19700		16	5000
Sodium	48200		180	5000
Lead	3.0	U	2.6	3.0

SM 2340B Hardness by Calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/13/2007 1545
Date Prepared: N/A

Analysis Batch: 220-7850

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	243		1.0	1.0

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: EN7-M

Lab Sample ID: 220-2083-7
Client Matrix: Water

Date Sampled: 07/09/2007 0951
Date Received: 07/10/2007 1800

ILM04.0 CLP Mercury by Cold Vapor

Method: ILM04.0
Preparation: ILM04.0 /HG
Dilution: 1.0
Date Analyzed: 07/12/2007 1640
Date Prepared: 07/12/2007 1111

Analysis Batch: 220-7791
Prep Batch: 220-7766

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method: ILM04.0/ICP
Preparation: ILM04.0
Dilution: 1.0
Date Analyzed: 07/13/2007 1550
Date Prepared: 07/13/2007 1300

Analysis Batch: 220-7831
Prep Batch: 220-7840

Instrument ID: TJA Trace ICAP
Lab File ID: W071307
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	200	U	29	200
Arsenic	10	U	2.8	10
Calcium	116000		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	10	U	0.80	10
Iron	120		29	100
Potassium	5200		91	5000
Magnesium	50500		16	5000
Sodium	173000		180	5000
Lead	3.0	U	2.6	3.0

SM 2340B Hardness by Calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/13/2007 1550
Date Prepared: N/A

Analysis Batch: 220-7850

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	498		1.0	1.0

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: EN9-M

Lab Sample ID: 220-2083-8
Client Matrix: Water

Date Sampled: 07/09/2007 0907
Date Received: 07/10/2007 1800

ILM04.0 CLP Mercury by Cold Vapor

Method:	ILM04.0	Analysis Batch: 220-7791	Instrument ID:	Perkin Elmer FIMS
Preparation:	ILM04.0 /HG	Prep Batch: 220-7766	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/12/2007 1643		Final Weight/Volume:	50 mL
Date Prepared:	07/12/2007 1111			

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method:	ILM04.0/ICP	Analysis Batch: 220-7831	Instrument ID:	TJA Trace ICAP
Preparation:	ILM04.0	Prep Batch: 220-7840	Lab File ID:	W071307
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	07/13/2007 1554		Final Weight/Volume:	50 mL
Date Prepared:	07/13/2007 1300			

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	200	U	29	200
Arsenic	10	U	2.8	10
Calcium	29700		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	10	U	0.80	10
Iron	100	U	29	100
Potassium	2100	J	91	5000
Magnesium	14100		16	5000
Sodium	31600		180	5000
Lead	3.0	U	2.6	3.0

SM 2340B Hardness by Calculation

Method:	SM 2340B	Analysis Batch: 220-7850	Instrument ID:	NONE
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	07/13/2007 1554		Final Weight/Volume:	
Date Prepared:	N/A			

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	132		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

Client Sample ID: CW-DUP

Lab Sample ID: 220-2083-9
Client Matrix: Water

Date Sampled: 07/09/2007 0000
Date Received: 07/10/2007 1800

ILM04.0 CLP Mercury by Cold Vapor

Method: ILM04.0
Preparation: ILM04.0 /HG
Dilution: 1.0
Date Analyzed: 07/12/2007 1644
Date Prepared: 07/12/2007 1111

Analysis Batch: 220-7791
Prep Batch: 220-7766

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method: ILM04.0/ICP
Preparation: ILM04.0
Dilution: 1.0
Date Analyzed: 07/13/2007 1559
Date Prepared: 07/13/2007 1300

Analysis Batch: 220-7831
Prep Batch: 220-7840

Instrument ID: TJA Trace ICAP
Lab File ID: W071307
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	200	U	29	200
Arsenic	58		2.8	10
Calcium	17700		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	2.7	J	0.80	10
Iron	7600		29	100
Potassium	72200		91	5000
Magnesium	16700		16	5000
Sodium	120000		180	5000
Lead	3.0	U	2.6	3.0

SM 2340B Hardness by Calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/13/2007 1559
Date Prepared: N/A

Analysis Batch: 220-7850

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	113		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: CW4-M

Lab Sample ID: 220-2096-10
Client Matrix: Water

Date Sampled: 07/10/2007 0843
Date Received: 07/11/2007 1533

ILM04.0 CLP Mercury by Cold Vapor

Method: ILM04.0
Preparation: ILM04.0 /HG
Dilution: 1.0
Date Analyzed: 07/17/2007 1513
Date Prepared: 07/17/2007 1100

Analysis Batch: 220-7895
Prep Batch: 220-7867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method: ILM04.0/ICP
Preparation: ILM04.0
Dilution: 1.0
Date Analyzed: 07/18/2007 1309
Date Prepared: 07/18/2007 1010

Analysis Batch: 220-7953
Prep Batch: 220-7909

Instrument ID: TJA Trace ICAP
Lab File ID: W071807
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	200	U	29	200
Arsenic	8.8	J	2.8	10
Calcium	25800		46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	2.6	J	0.80	10
Iron	47	J	29	100
Potassium	1100	J	91	5000
Magnesium	9900		16	5000
Sodium	12100		180	5000
Lead	3.0	U	2.6	3.0

SM 2340B Hardness by Calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/18/2007 1309
Date Prepared: N/A

Analysis Batch: 220-7969

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	105		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: CW4-S

Lab Sample ID: 220-2096-11
Client Matrix: Water

Date Sampled: 07/10/2007 0859
Date Received: 07/11/2007 1533

ILM04.0 CLP Mercury by Cold Vapor

Method: ILM04.0
Preparation: ILM04.0 /HG
Dilution: 1.0
Date Analyzed: 07/17/2007 1514
Date Prepared: 07/17/2007 1100

Analysis Batch: 220-7895
Prep Batch: 220-7867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method: ILM04.0/ICP
Preparation: ILM04.0
Dilution: 1.0
Date Analyzed: 07/18/2007 1314
Date Prepared: 07/18/2007 1010

Analysis Batch: 220-7953
Prep Batch: 220-7909

Instrument ID: TJA Trace ICAP
Lab File ID: W071807
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	300		29	200
Arsenic	5.4	J	2.8	10
Calcium	11500		46	5000
Cadmium	2.3	J	0.50	5.0
Chromium	11		0.80	10
Iron	1700		29	100
Potassium	4000	J	91	5000
Magnesium	3100	J	16	5000
Sodium	6100		180	5000
Lead	55		2.6	3.0

SM 2340B Hardness by Calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/18/2007 1314
Date Prepared: N/A

Analysis Batch: 220-7969

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	41.5		1.0	1.0

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

Client Sample ID: EN10-M

Lab Sample ID: 220-2096-12
Client Matrix: Water

Date Sampled: 07/10/2007 1435
Date Received: 07/11/2007 1533

ILM04.0 CLP Mercury by Cold Vapor

Method: ILM04.0
Preparation: ILM04.0 /HG
Dilution: 1.0
Date Analyzed: 07/17/2007 1515
Date Prepared: 07/17/2007 1100

Analysis Batch: 220-7895
Prep Batch: 220-7867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Hg	0.20	U	0.20	0.20

ILM04.0/ICP CLP Metals by Inductively Coupled Plasma

Method: ILM04.0/ICP
Preparation: ILM04.0
Dilution: 1.0
Date Analyzed: 07/18/2007 1318
Date Prepared: 07/18/2007 1010

Analysis Batch: 220-7953
Prep Batch: 220-7909

Instrument ID: TJA Trace ICAP
Lab File ID: W071807
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	IDL	RL
Aluminum	380		29	200
Arsenic	4.5	J	2.8	10
Calcium	1200	J	46	5000
Cadmium	5.0	U	0.50	5.0
Chromium	1.9	J	0.80	10
Iron	400		29	100
Potassium	840	J	91	5000
Magnesium	400	J	16	5000
Sodium	1200	J	180	5000
Lead	15		2.6	3.0

SM 2340B Hardness by Calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/18/2007 1318
Date Prepared: N/A

Analysis Batch: 220-7969

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	MDL	RL
Hardness as calcium carbonate	4.7		1.0	1.0

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

General Chemistry

Client Sample ID: CW1-S

Lab Sample ID: 220-2083-1
Client Matrix: Water

Date Sampled: 07/09/2007 1314
Date Received: 07/10/2007 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	225		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7722	Date Analyzed 07/11/2007 1110						
Chloride	22.8		mg/L	0.024	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed 07/11/2007 1138						
Sulfate	31.8		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed 07/11/2007 1138						
Nitrate as N	0.15		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7941	Date Analyzed 07/11/2007 1138						
Alkalinity	170		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1306						
Bicarbonate Alkalinity as CaCO3	170		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1306						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1306						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1306						
Ammonia	16.8		mg/L	0.15	0.40	10	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1238						
Prep Batch: 220-7792	Date Prepared: 07/12/2007 1700						

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

General Chemistry

Client Sample ID: CW1-M

Lab Sample ID: 220-2083-2
Client Matrix: Water

Date Sampled: 07/09/2007 1341
Date Received: 07/10/2007 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	613		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7722	Date Analyzed	07/11/2007 1115					
Sulfate	7.1		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1151					
Chloride	93.7		mg/L	0.060	2.5	2.5	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1417					
Nitrate as N	0.10	U	mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7941	Date Analyzed	07/11/2007 1151					
Alkalinity	669		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1316					
Bicarbonate Alkalinity as CaCO3	669		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1316					
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1316					
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1316					
Ammonia	79.8		mg/L	0.38	1.0	25	350.1
Anly Batch: 220-7933	Date Analyzed	07/18/2007 1238					
Prep Batch: 220-7792	Date Prepared:	07/12/2007 1700					

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

General Chemistry

Client Sample ID: CW2-M

Lab Sample ID: 220-2083-3
Client Matrix: Water

Date Sampled: 07/09/2007 1143
Date Received: 07/10/2007 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	175		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7722	Date Analyzed	07/11/2007 1120					
Chloride	30.6		mg/L	0.024	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1111					
Sulfate	37.1		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1111					
Nitrate as N	1.0		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7941	Date Analyzed	07/11/2007 1111					
Alkalinity	50.4		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1323					
Bicarbonate Alkalinity as CaCO3	50.4		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1323					
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1323					
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1323					
Ammonia	0.090		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed	07/18/2007 1238					
Prep Batch: 220-7792	Date Prepared:	07/12/2007 1700					

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

General Chemistry

Client Sample ID: EN1-M

Lab Sample ID: 220-2083-4
Client Matrix: Water

Date Sampled: 07/09/2007 1228
Date Received: 07/10/2007 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	193		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7722	Date Analyzed	07/11/2007 1125					
Chloride	26.2		mg/L	0.024	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1124					
Sulfate	40.1		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1124					
Nitrate as N	8.5		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7941	Date Analyzed	07/11/2007 1124					
Alkalinity	28.4		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1329					
Bicarbonate Alkalinity as CaCO3	28.4		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1329					
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1329					
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1329					
Ammonia	0.040	U	mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed	07/18/2007 1238					
Prep Batch: 220-7792	Date Prepared:	07/12/2007 1700					

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

General Chemistry

Client Sample ID: EN6-S

Lab Sample ID: 220-2083-5
Client Matrix: Water

Date Sampled: 07/09/2007 1057
Date Received: 07/10/2007 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	134		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7722	Date Analyzed	07/11/2007 1130					
Chloride	37.1		mg/L	0.024	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1058					
Sulfate	19.7		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1058					
Nitrate as N	5.2		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7941	Date Analyzed	07/11/2007 1058					
Alkalinity	14.7		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1348					
Bicarbonate Alkalinity as CaCO3	14.7		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1348					
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1348					
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1348					
Ammonia	0.016	J	mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed	07/18/2007 1238					
Prep Batch: 220-7792	Date Prepared:	07/12/2007 1700					

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

General Chemistry

Client Sample ID: EN6-M

Lab Sample ID: 220-2083-6
Client Matrix: Water

Date Sampled: 07/09/2007 1033
Date Received: 07/10/2007 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	415		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7722	Date Analyzed 07/11/2007 1135						
Sulfate	81.4		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed 07/11/2007 1044						
Chloride	95.5		mg/L	0.060	2.5	2.5	300.0
Anly Batch: 220-7942	Date Analyzed 07/11/2007 1404						
Nitrate as N	5.9		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7941	Date Analyzed 07/11/2007 1044						
Alkalinity	120		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1355						
Bicarbonate Alkalinity as CaCO3	120		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1355						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1355						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1355						
Ammonia	0.015	J	mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1238						
Prep Batch: 220-7792	Date Prepared: 07/12/2007 1700						

General Chemistry

Client Sample ID: EN7-M

Lab Sample ID: 220-2083-7
Client Matrix: Water

Date Sampled: 07/09/2007 0951
Date Received: 07/10/2007 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	1090		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7722	Date Analyzed	07/11/2007 1140					
Chloride	239		mg/L	0.48	20.0	20	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1311					
Sulfate	104		mg/L	0.17	20.0	20	300.0
Anly Batch: 220-7942	Date Analyzed	07/11/2007 1311					
Nitrate as N	0.10	U	mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7941	Date Analyzed	07/11/2007 0951					
Alkalinity	515		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1403					
Bicarbonate Alkalinity as CaCO3	515		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1403					
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1403					
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed	07/11/2007 1403					
Ammonia	0.045		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed	07/18/2007 1238					
Prep Batch: 220-7792	Date Prepared:	07/12/2007 1700					

Client: R & C Formation Ltd.

Job Number: 220-2083-1
Sdg Number: 220-2083

General Chemistry

Client Sample ID: EN9-M

Lab Sample ID: 220-2083-8
Client Matrix: Water

Date Sampled: 07/09/2007 0907
Date Received: 07/10/2007 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	302		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7722	Date Analyzed 07/11/2007 1150						
Sulfate	16.0		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed 07/11/2007 1004						
Chloride	112		mg/L	0.060	2.5	2.5	300.0
Anly Batch: 220-7942	Date Analyzed 07/11/2007 1351						
Nitrate as N	0.62		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7941	Date Analyzed 07/11/2007 1004						
Alkalinity	35.4		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1420						
Bicarbonate Alkalinity as CaCO3	35.4		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1420						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1420						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1420						
Ammonia	0.040	U	mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1238						
Prep Batch: 220-7792	Date Prepared: 07/12/2007 1700						

General Chemistry

Client Sample ID: CW-DUP

Lab Sample ID: 220-2083-9
Client Matrix: Water

Date Sampled: 07/09/2007 0000
Date Received: 07/10/2007 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	602		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7722	Date Analyzed 07/11/2007 1155						
Sulfate	7.7		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7942	Date Analyzed 07/11/2007 1257						
Chloride	89.6		mg/L	0.060	2.5	2.5	300.0
Anly Batch: 220-7942	Date Analyzed 07/11/2007 1431						
Nitrate as N	0.10	U	mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7941	Date Analyzed 07/11/2007 1257						
Alkalinity	49.6		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1426						
Bicarbonate Alkalinity as CaCO3	49.6		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1426						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1426						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7753	Date Analyzed 07/11/2007 1426						
Ammonia	77.1		mg/L	0.38	1.0	25	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1249						
Prep Batch: 220-7792	Date Prepared: 07/12/2007 1700						

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: **CW4-M**

Lab Sample ID: 220-2096-10
Client Matrix: Water

Date Sampled: 07/10/2007 0843
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	192		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed	07/12/2007 1300					
Chloride	22.8		mg/L	0.024	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed	07/11/2007 2118					
Sulfate	35.9		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed	07/11/2007 2118					
Nitrate as N	7.3		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed	07/11/2007 2118					
Alkalinity	38.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 2014					
Bicarbonate Alkalinity as CaCO3	38.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 2014					
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 2014					
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 2014					
Ammonia	0.019	J	mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed	07/18/2007 1300					
Prep Batch: 220-7793	Date Prepared:	07/12/2007 1700					

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: **CW4-S**

Lab Sample ID: 220-2096-11
Client Matrix: Water

Date Sampled: 07/10/2007 0859
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	71.0		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed 07/12/2007 1300						
Chloride	9.0		mg/L	0.024	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 2132						
Sulfate	7.4		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 2132						
Nitrate as N	0.78		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed 07/11/2007 2132						
Alkalinity	40.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 2021						
Bicarbonate Alkalinity as CaCO3	40.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 2021						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 2021						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 2021						
Ammonia	0.047		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1300						
Prep Batch: 220-7793	Date Prepared: 07/12/2007 1700						

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: EN10-M

Lab Sample ID: 220-2096-12
Client Matrix: Water

Date Sampled: 07/10/2007 1435
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	14.0		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed 07/12/2007 1300						
Chloride	2.0		mg/L	0.024	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 2238						
Sulfate	1.8		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 2238						
Nitrate as N	0.27		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed 07/11/2007 2238						
Alkalinity	3.1		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 2028						
Bicarbonate Alkalinity as CaCO3	3.1		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 2028						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 2028						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 2028						
Ammonia	0.070		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1300						
Prep Batch: 220-7793	Date Prepared: 07/12/2007 1700						

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: SW-1

Lab Sample ID: 220-2096-1
Client Matrix: Water

Date Sampled: 07/10/2007 0932
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	195		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed	07/12/2007 1300					
Sulfate	19.2		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed	07/11/2007 1838					
Chloride	49.2		mg/L	0.060	2.5	2.5	300.0
Anly Batch: 220-7938	Date Analyzed	07/12/2007 1254					
Nitrate as N	2.3		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed	07/11/2007 1838					
Alkalinity	32.7		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 1846					
Bicarbonate Alkalinity as CaCO3	32.7		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 1846					
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 1846					
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 1846					
Ammonia	0.074		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed	07/18/2007 1249					
Prep Batch: 220-7793	Date Prepared:	07/12/2007 1700					

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: **SW-2**

Lab Sample ID: 220-2096-2
Client Matrix: Water

Date Sampled: 07/10/2007 1022
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	251		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed 07/12/2007 1300						
Sulfate	31.8		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 1852						
Chloride	67.7		mg/L	0.060	2.5	2.5	300.0
Anly Batch: 220-7938	Date Analyzed 07/12/2007 1307						
Nitrate as N	0.64		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed 07/11/2007 1852						
Alkalinity	62.0		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1906						
Bicarbonate Alkalinity as CaCO3	62.0		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1906						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1906						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1906						
Ammonia	0.049		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1249						
Prep Batch: 220-7793	Date Prepared: 07/12/2007 1700						

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: SW-3

Lab Sample ID: 220-2096-3
Client Matrix: Water

Date Sampled: 07/10/2007 1034
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	180		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed 07/12/2007 1300						
Chloride	42.0		mg/L	0.024	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 1958						
Sulfate	18.8		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 1958						
Nitrate as N	3.5		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed 07/11/2007 1958						
Alkalinity	23.8		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1920						
Bicarbonate Alkalinity as CaCO3	23.8		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1920						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1920						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1920						
Ammonia	0.019	J	mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1249						
Prep Batch: 220-7793	Date Prepared: 07/12/2007 1700						

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: SW-4

Lab Sample ID: 220-2096-4
Client Matrix: Water

Date Sampled: 07/10/2007 0940
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	199		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed 07/12/2007 1300						
Sulfate	19.2		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 2012						
Chloride	50.1		mg/L	0.060	2.5	2.5	300.0
Anly Batch: 220-7938	Date Analyzed 07/12/2007 1347						
Nitrate as N	2.3		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed 07/11/2007 2012						
Alkalinity	33.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1926						
Bicarbonate Alkalinity as CaCO3	33.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1926						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1926						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1926						
Ammonia	0.054		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1249						
Prep Batch: 220-7793	Date Prepared: 07/12/2007 1700						

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: SW-5

Lab Sample ID: 220-2096-5
Client Matrix: Water

Date Sampled: 07/10/2007 1004
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	274		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed 07/12/2007 1300						
Sulfate	25.0		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 2025						
Chloride	77.0		mg/L	0.060	2.5	2.5	300.0
Anly Batch: 220-7938	Date Analyzed 07/12/2007 1401						
Nitrate as N	1.2		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed 07/11/2007 2025						
Alkalinity	62.1		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1933						
Bicarbonate Alkalinity as CaCO3	62.1		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1933						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1933						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1933						
Ammonia	0.15		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1249						
Prep Batch: 220-7793	Date Prepared: 07/12/2007 1700						

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: **SW-6**

Lab Sample ID: 220-2096-6
Client Matrix: Water

Date Sampled: 07/10/2007 1047
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	218		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed	07/12/2007 1300					
Sulfate	17.6		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed	07/11/2007 2038					
Chloride	73.7		mg/L	0.060	2.5	2.5	300.0
Anly Batch: 220-7938	Date Analyzed	07/12/2007 1414					
Nitrate as N	0.57		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed	07/11/2007 2038					
Alkalinity	57.3		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 1941					
Bicarbonate Alkalinity as CaCO3	57.3		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 1941					
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 1941					
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed	07/11/2007 1941					
Ammonia	0.098		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed	07/18/2007 1300					
Prep Batch: 220-7793	Date Prepared:	07/12/2007 1700					

General Chemistry

Client Sample ID: SW-7

Lab Sample ID: 220-2096-7
Client Matrix: Water

Date Sampled: 07/10/2007 0952
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	2800		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed 07/12/2007 1300						
Sulfate	199		mg/L	0.043	5.0	5.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/12/2007 1454						
Chloride	1460		mg/L	1.2	50.0	50	300.0
Anly Batch: 220-7938	Date Analyzed 07/12/2007 1507						
Nitrate as N	0.44		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed 07/11/2007 2052						
Alkalinity	53.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1947						
Bicarbonate Alkalinity as CaCO3	53.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1947						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1947						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1947						
Ammonia	0.097		mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1300						
Prep Batch: 220-7793	Date Prepared: 07/12/2007 1700						

Client: R & C Formation Ltd.

Job Number: 220-2096-1
Sdg Number: 220-2096

General Chemistry

Client Sample ID: SW-DUP

Lab Sample ID: 220-2096-8
Client Matrix: Water

Date Sampled: 07/10/2007 0000
Date Received: 07/11/2007 1533

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Dissolved Solids	156		mg/L	2.5	10.0	1.0	160.1
Anly Batch: 220-7772	Date Analyzed 07/12/2007 1300						
Chloride	41.9		mg/L	0.024	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 2105						
Sulfate	18.4		mg/L	0.0086	1.0	1.0	300.0
Anly Batch: 220-7938	Date Analyzed 07/11/2007 2105						
Nitrate as N	3.4		mg/L	0.0012	0.10	1.0	300.0
Anly Batch: 220-7939	Date Analyzed 07/11/2007 2105						
Alkalinity	24.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1954						
Bicarbonate Alkalinity as CaCO3	24.2		mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1954						
Carbonate Alkalinity as CaCO3	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1954						
Hydroxide Alkalinity	2.0	U	mg/L	0.17	2.0	1.0	310.1
Anly Batch: 220-7757	Date Analyzed 07/11/2007 1954						
Ammonia	0.031	J	mg/L	0.015	0.040	1.0	350.1
Anly Batch: 220-7933	Date Analyzed 07/18/2007 1300						
Prep Batch: 220-7793	Date Prepared: 07/12/2007 1700						

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-2
Sdg Number: 220-2096

Client Sample ID: SW-1

Lab Sample ID: 220-2096-1
Client Matrix: Water

Date Sampled: 07/10/2007 0932
Date Received: 07/11/2007 1533

SM 2340B Total Hardness (as CaCO3) by calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/31/2007 1431
Date Prepared: N/A

Analysis Batch: 220-8284

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	RL
Hardness as calcium carbonate	70.9		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-2
Sdg Number: 220-2096

Client Sample ID: SW-2

Lab Sample ID: 220-2096-2
Client Matrix: Water

Date Sampled: 07/10/2007 1022
Date Received: 07/11/2007 1533

SM 2340B Total Hardness (as CaCO3) by calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/31/2007 1445
Date Prepared: N/A

Analysis Batch: 220-8284

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	RL
Hardness as calcium carbonate	114		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-2
Sdg Number: 220-2096

Client Sample ID: SW-3

Lab Sample ID: 220-2096-3
Client Matrix: Water

Date Sampled: 07/10/2007 1034
Date Received: 07/11/2007 1533

SM 2340B Total Hardness (as CaCO3) by calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/31/2007 1449
Date Prepared: N/A

Analysis Batch: 220-8284

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	RL
Hardness as calcium carbonate	68.4		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-2
Sdg Number: 220-2096

Client Sample ID: SW-4

Lab Sample ID: 220-2096-4
Client Matrix: Water

Date Sampled: 07/10/2007 0940
Date Received: 07/11/2007 1533

SM 2340B Total Hardness (as CaCO3) by calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/31/2007 1503
Date Prepared: N/A

Analysis Batch: 220-8284

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	RL
Hardness as calcium carbonate	69.7		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-2
Sdg Number: 220-2096

Client Sample ID: SW-5

Lab Sample ID: 220-2096-5
Client Matrix: Water

Date Sampled: 07/10/2007 1004
Date Received: 07/11/2007 1533

SM 2340B Total Hardness (as CaCO3) by calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/31/2007 1508
Date Prepared: N/A

Analysis Batch: 220-8284

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	RL
Hardness as calcium carbonate	111		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-2
Sdg Number: 220-2096

Client Sample ID: SW-6

Lab Sample ID: 220-2096-6
Client Matrix: Water

Date Sampled: 07/10/2007 1047
Date Received: 07/11/2007 1533

SM 2340B Total Hardness (as CaCO3) by calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/31/2007 1512
Date Prepared: N/A

Analysis Batch: 220-8284

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	RL
Hardness as calcium carbonate	78.3		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-2
Sdg Number: 220-2096

Client Sample ID: SW-7

Lab Sample ID: 220-2096-7
Client Matrix: Water

Date Sampled: 07/10/2007 0952
Date Received: 07/11/2007 1533

SM 2340B Total Hardness (as CaCO3) by calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/31/2007 1517
Date Prepared: N/A

Analysis Batch: 220-8284

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	RL
Hardness as calcium carbonate	478		1.0	1.0

Analytical Data

Client: R & C Formation Ltd.

Job Number: 220-2096-2
Sdg Number: 220-2096

Client Sample ID: SW-DUP

Lab Sample ID: 220-2096-8
Client Matrix: Water

Date Sampled: 07/10/2007 0000
Date Received: 07/11/2007 1533

SM 2340B Total Hardness (as CaCO3) by calculation

Method: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 07/31/2007 1522
Date Prepared: N/A

Analysis Batch: 220-8284

Instrument ID: NONE
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL	RL
Hardness as calcium carbonate	68.4		1.0	1.0