TOWN OF HUNTINGTON

FRANK P. PETRONE, *Supervisor*

ENVIRONMENTAL WASTE MANAGEMENT

July 17, 2009

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BUREAU OF EASTERN REMEDIAL ACTION

Ms. Cynthia Whitfield P. E.
Environmental Engineer II
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau Section B, 11th Floor
625 Broadway
Albany, New York 12233-7015

Re: Huntington/East Northport Landfill; NYSDEC Site #1-52-040; Groundwater & Surface Water Sampling & Analysis

Dear Ms. Whitfield,

As required by the Record of Decision for the above referenced site, transmitted herewith please find copies of the "Groundwater & Surface Water Sampling & Analysis Report" for the East Northport Landfill September, 2009.

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

Sincerely,

Neal Sheehan,
Director Environmental Waste Management

Enclosed: 1.) Groundwater & Surface Water Sampling & Analysis Report

Cc:	file copy	(w/ encl.'s)
	M. Laux, Deputy Director, DEWM, TOH	(w/o encl.'s)
	T. Chambers, Covanta	(w/ encl.'s)
	S. H. Rahman, NYSDEC	(w/ encl.'s)

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Groundwater and Surface Water
Sampling & Analysis
East Northport Landfill
East Northport, New York
September, 2009

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
Bellmore, New York 11710

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Section HA-1A

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Groundwater and Surface Water Sampling & Analysis
East Northport Landfill
East Northport, New York
September, 2009

Introduction

This report presents the results of September, 2009 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

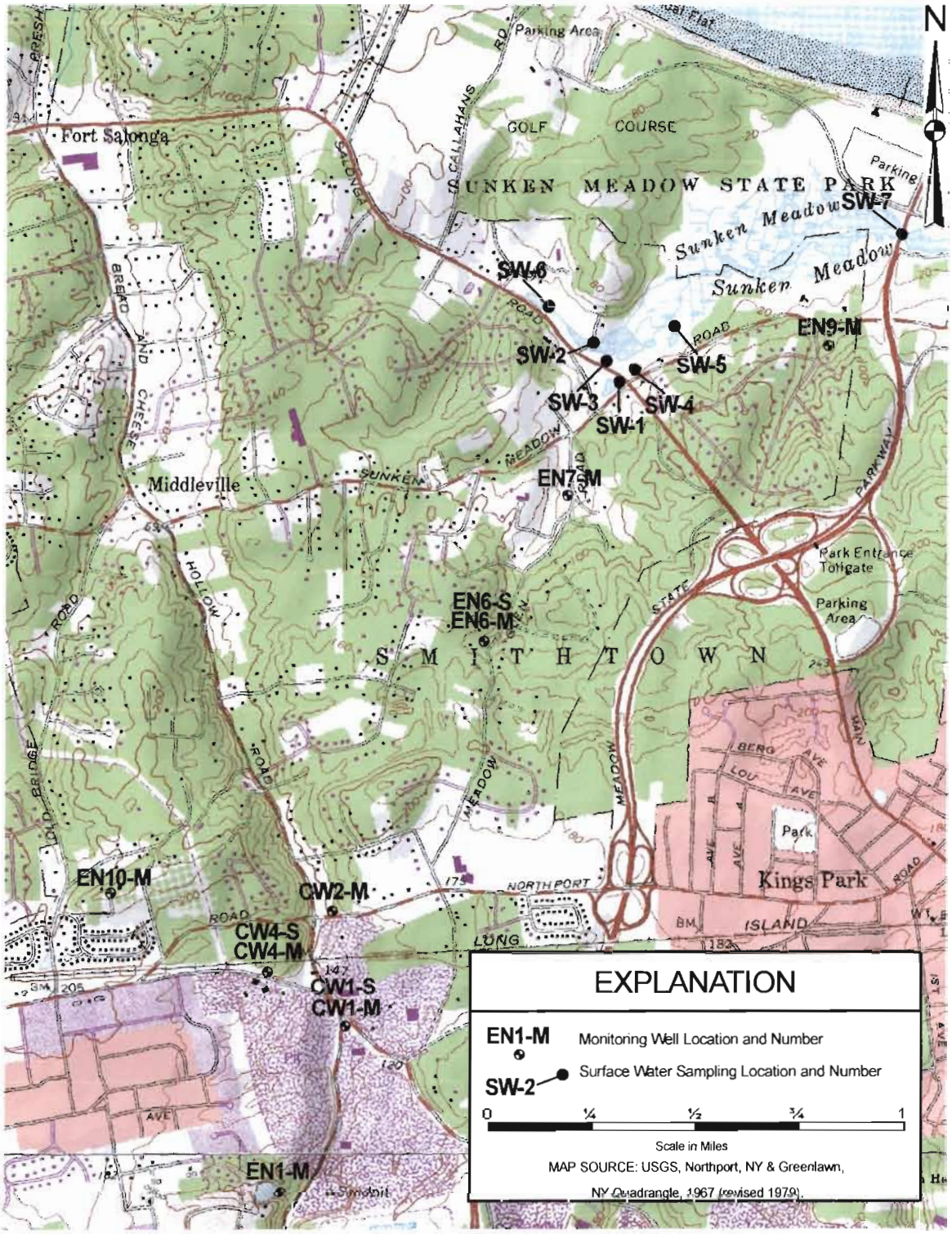
The scope-of-work includes performance of the following items:

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

Sampling methodology includes purging a minimum of 3-5 casing-volumes of groundwater from each monitoring well, via a submersible centrifugal pump (Grundfos Redi-Flo2) with per-well dedicated tubing, prior to sample collection. During well-purging activities, the field parameters dissolved oxygen, specific conductivity, temperature, pH, salinity and turbidity are measured and recorded on a per-casing-volume basis. Upon the stabilization of these values to within 10%, groundwater samples are collected. In order to negate the potential for cross-well contamination, 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 includes submerging laboratory-provided sample containers at each sampling point and establishing a smooth flow of water into them until filled. Furthermore, surface water samples are collected following a minimum of 3 days without precipitation prior to sampling to minimize the influence of surface water runoff from adjacent land surfaces and roadways. Collected surface water samples, therefore, reflect stream base-flow and, for the most part, the quality of groundwater resources.

Groundwater from monitoring wells CW1-S, CW1-M, CW2-M, CW4-S, CW4-M, EN1-M, EN6-S, EN6-M and EN7-M was sampled September 16, 2009. Groundwater from monitoring wells EN9-M and EN10-M was collected September 17, 2009. Surface water samples (i.e., SW-1 – SW-7) were collected September 21, 2009. Following the completion of sampling activities, collected samples were submitted under chain-of-custody control to New York State Department of Health certified Phoenix Environmental Laboratories, Inc. for chemical analysis. A copy of the original laboratory "Sample Data Summary Package" is presented in Appendix 1.

Field parameters measured and recorded in relation to groundwater and surface water sampling points are summarized on Table 1. Note that data associated with groundwater samples reflects the last value measured during well-purging activities.

Quality Assurance/Quality Control

A narrative (conformance/nonconformance summary) of QA/QC procedures practiced by Phoenix Environmental Laboratories, Inc. - including instrument calibrations, analysis of method blanks, matrix spike blanks, and the percent recovery of surrogates

Table 1

Summary of Field Data
Measured September 16-17 & 21, 2009
East Northport Landfill, East Northport, NY

Sampling Point	Dissolved Oxygen (mg/l)	Conductivity (umhos)	Temperature (°centigrade)	pH (units)	Salinity (‰)	Turbidity (ntu)
CW1-S	4.00	1,230	21.5	7.29	0.1	48.0
CW1-M	4.10	617	21.6	7.27	0.0	320.0
CW2-M	5.10	389	14.7	6.18	0.0	1.0
CW4-S	6.80	114	15.5	6.19	0.0	10.0
CW4-M	8.90	289	14.9	6.13	0.0	20.0
EN1-M	9.70	291	13.0	6.10	0.0	54.0
EN6-S	9.60	299	13.7	5.92	0.0	2.0
EN6-M	5.40	367	13.6	6.28	0.0	3.0
EN7-M	5.60	1,330	12.5	6.74	0.1	11.0
EN9-M	7.30	765	11.7	6.07	0.0	4.0
EN10-M	4.80	10	14.9	6.10	0.0	21.0
SW-1	11.50	384	13.2	6.40	0.0	16.0
SW-2	10.00	605	13.9	6.71	0.0	200.0
SW-3	11.80	300	11.4	6.40	0.0	20.0
SW-4	11.50	591	14.9	6.28	0.0	8.0
SW-5	10.60	943	13.7	6.49	0.0	4.0
SW-6	9.80	574	15.1	6.41	0.0	5.0
SW-7	8.40	2,740	15.0	6.41	0.2	190.0

(system monitoring compounds) - is presented in the afore-mentioned "Sample Data Summary Package." Matrix spike/matrix spike duplicates (MS/MSD's) were collected to supplement both groundwater (EN7-M) and surface water analyses (SW-2).

In addition, trip blanks representing groundwater (TB-GW) and surface water samples (TB-SW) were analyzed for volatile organic compounds as a means to evaluate potential sources of contamination in sample container preparation, method blank water and sample transport. A field blank (FB9-16) representing groundwater sampling activities was also analyzed to assure the integrity of sample containers, sampling equipment and procedures.

"Blind duplicates," collected from groundwater monitoring well EN7-M (identified as GW-DUP) and surface water sampling location SW-2 (identified as SW-DUP), were collected to assess the accuracy of reported analytical results. "Blind duplicate" samples were analyzed for all groundwater and surface water parameters, respectively.

Summary of Analytical Results

QA/QC Samples

The volatile organic compound *methylene chloride*, a typical "in-house" laboratory analytical contaminant, was detected in QA/QC sample FB9-16. Also detected in this sample were the volatile organic compounds *benzene* and *toluene*. Consequently, the detection of either of the above-mentioned compounds in collected groundwater or surface water samples is not considered valid.

Analytical results in relation to groundwater and surface water blind duplicates are, however, comparable (see Tables 2, 2A, 3 and 3A). Therefore, the results of groundwater and surface water analyses summarized below are considered accurate.

Groundwater

Analytical results in relation to volatile organic compounds and metals/leachate indicators - including comparisons 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, *trichloroethene* (EN7-M) is the sole volatile organic compound detected at or above its associated NYSDEC Class GA Drinking Water Standard.

As shown on Table 2A, metals detected in excess of NYSDEC Class GA Drinking Water Standards include *arsenic* (CW1-S, CW1-M), *cadmium* (CW4-S), *iron* (CW1-S, CW1-M, CW4-S, EN7-M and EN10-M), *magnesium* (EN7-M) and *sodium* (CW1-S, CW1-M, CW2-M, EN1-M, EN6-S, EN6-M, EN7-M, EN9-M). Leachate indicators detected at or in excess of NYSDEC Class GA Drinking Water Standards include *ammonia* (CW1-S, CW1-M) and *nitrate* (EN1-M).

Surface Water

Analytical results in relation to volatile organic compounds and leachate indicators - including comparisons with New York State Department of Environmental Conservation (NYSDEC) Class GA Drinking Water Standards - are summarized on Table 3 and Table 3A, respectively.

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

As shown on Table 3A, the sole leachate indicator detected in excess of its associated NYSDEC Class GA Drinking Water Standard is *chloride* at surface water sampling point SW-7. As reported previously, elevated concentrations of "salts" at this sampling point are typical and attributable to the influence of saline surface water; 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 September, 2009 is presented in Section HA-1A. Presented below is a summary of inconsistencies with the most recent analyses, completed April, 2009. With the exception of these inconsistencies, analytical results in relation to September, 2009 monitoring activities 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, July & November, 2007, April & September, 2008, April, 2009).

<u>Groundwater</u>

* The concentration of *cadmium* increased in groundwater sampled from monitoring well CW4-S from 0.7 micrograms per liter (μg/l), a concentration below NYSDEC's Class GA Drinking Water Standard of 5.0 μg/l, to 6.9 μg/l.

* The concentration of *iron* increased in groundwater sampled from monitoring wells CW1-M, CW-4S, EN7-M and EN10-M from 170.0 µg/l, 6.0 µg/l, 46.0 µg/l and 270.0 µg/l, respectively - concentrations below NYSDEC's Class GA Drinking Water Standard of 300.0 µg/l - to 22,900.0 µg/l, 825.0 µg/l, 513.0 µg/l and 1,610.0 µg/l, respectively.

* The concentration of *nitrate* increased in groundwater sampled from monitoring well EN1-M from 9.9 milligrams per liter (mg/l), a concentration below NYSDEC's Class GA Drinking Water Standard of 10.0 mg/l, to 10.0 mg/l.

Surface Water

* The concentration of *sulfate* decreased at surface water sampling point SW-7 from 330.0 mg/l, a concentration above NYSDEC's Class GA Drinking Water Standard of 250.0 mg/l, to 86.0 mg/l.

Table 2

Summary of Analytical Results-Groundwater
East Northport Landfill, East Northport, NY
Sampled September 16-17, 2009

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	FB9-16	NYSDEC Class GA Standard
Chloromethane	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)	NS/GV
Bromomethane	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
Vinyl 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)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	2.0
Chloroethane	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
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)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	2.90 J	5.0
Trichloroflouromethane	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
1,1-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)	ND(5.00)	1.60 J	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.0)	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)	ND(5.00)	0.93 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)	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)	ND(5.00)	1.80 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)	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
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)	ND(5.00)	**6.00**	ND(5.00)	ND(5.00)	**6.00**	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)	0.50 J	ND(5.00)	ND(5.00)	0.46 J	ND(5.00)	0.61 J	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(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	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)	0.70 J	ND(5.00)	0.86 J	ND(5.00)	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)	3.80 J	5.0
Chlorobenzene	2.20 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.30 J	ND(5.00)	ND(5.00)	1.30 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	FB9-16	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)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.76 J	ND(5.00)	ND(5.00)	0.69 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	1.40 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	2.60 J	ND(5.00)	ND(5.00)	2.50 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 Septemeber 16-17, 2009

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	41.3	44.0	17.4	175.0	ND(10.0)	11.8	44.2	ND(10.0)	264.0	49.8	617.0	115.0	NS/GV
Arsenic	**40.5**	**30.3**	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	25.0
Cadmium	ND(1.0)	ND(1.0)	0.3 B	**6.9**	ND(1.0)	0.4 B	ND(1.0)	0.4 B	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.0
Calcium	15,400.0	16,600.0	13,100.0	18,500.0	24,800.0	23,200.0	14,300.0	34,900.0	123.0	31,100.0	1,390.0	108,000.0	NS/GV
Chromium	1.8	0.8 B	0.3 B	3.3	2.3	3.7	9.9	0.8 B	2.2	1.5	7.8	3.0	50.0
Iron	**5,180.0**	**22,900.0**	83.1	**825.0**	98.6	151.0	179.0	115.0	**513.0**	112.0	**1,610.0**	**717.0**	300.0
Lead	ND(2.0)	ND(2.0)	1.2 B	5.0	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	15.4	1.6 B	25.0
Magnesium	13,700.0	8,050.0	4,660.0	6,780.0	9,700.0	8,590.0	6,400.0	8,080.0	**49,100.0**	13,600.0	455.0	**43,300.0**	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	52,200.0	20,300.0	4,980.0	7,370.0	1,460.0	1,460.0	2,110.0	2,470.0	5,960.0	2,650.0	2,710.0	5,920.0	NS/GV
Sodium	**70,600.0**	**27,800.0**	**17,200.0**	11,900.0	13,200.0	**19,400.0**	**28,800.0**	**26,400.0**	**187,000.0**	**55,300.0**	769.0	**173,000.0**	20,000.0
Leachate Indicators (mg/l)													
Ammonia	**71.00**	**21.00**	0.08	0.09	0.03	0.21	0.04	0.03	0.22	0.07	0.31	0.39	2.0
Bicarbonate	454.00	170.00	31.60	55.20	36.80	29.60	ND(20.00)	65.50	525.00	34.20	ND(20.00)	448.00	NS/GV
Chloride	50.00	21.00	28.00	21.00	22.00	26.00	54.00	42.00	240.00	140.00	ND(3.00)	220.00	250.0
Nitrate	0.65	0.11	1.80	2.60	6.80	**10.00**	6.40	9.30	ND(0.05)	0.78	ND(0.05)	ND(0.05)	10.0
Sulfate	12.00	34.00	25.00	15.00	35.00	36.00	24.00	28.00	100.00	16.00	ND(3.00)	110.00	250.0
Alkalinity	454.00	170.00	31.60	55.20	36.80	29.60	ND(20.00)	65.50	525.00	34.20	ND(20.00)	448.00	NS/GV
TDS	400.00	180.00	140.00	150.00	200.00	210.00	200.00	250.00	1,100.00	410.00	27.00	930.00	NS/GV
Hardness	94.90	74.60	51.90	74.10	102.00	93.30	62.10	120.00	509.00	134.00	5.37	448.00	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
na: Not available

Table 3

Summary of Analytical Results-Surface Water
East Northport Landfill, East Northport, NY
Sampled September 21, 2009

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(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)	NS/GV
Bromomethane	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
Vinyl 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)	ND(5.00)	2.0
Chloroethane	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
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)	ND(5.00)	5.0
Trichloroflouromethane	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-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)	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)	5.0
Chloroform	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)	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)	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)	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-Chloroethyl vinyl Ether	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	ND(25.00)	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	2.40 J	0.88 J	2.40 J	1.80 J	1.90 J	ND(5.00)	ND(5.00)	1.60 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 September 21, 2009

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	0.11	0.91	0.07	0.16	0.18	0.42	0.17	0.64	2.0
Bicarbonate	35.50	42.80	27.20	68.90	87.20	58.90	52.30	47.80	NS/GV
Chloride	61.00	110.00	46.00	85.00	114.00	93.00	**620.00**	104.00	250.0
Nitrate	2.60	0.74	4.30	1.50	1.96	0.65	0.51	0.72	10.0
Sulfate	21.00	28.00	22.00	37.00	40.00	17.00	86.00	51.00	250.0
Alkalinity	35.50	42.80	27.20	68.90	87.20	58.90	52.30	47.80	NS/GV
TDS	210.00	310.00	190.00	300.00	360.00	240.00	1100.00	310.00	NS/GV
Hardness	73.30	77.40	70.30	132.00	157.00	80.10	222.00	111.00	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)

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	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	0.5 JB	ND(5.00)	ND(5.00)	2.0 J	3.2 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	**1.9 J**	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	**6.0**	ND(0.47)	1.7 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.7 J	2.20 J
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	1.5 J	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.0 J	1.40 J

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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Aluminum	180.0 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(0.5)	ND(0.5)	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	8.0 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	32,900.0	**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	263,000.0	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	**472,000.0**	**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	**273.000**	**343.000**	**319.000**	**280.000**	**190.000**	**243.000**	**143.000**	**190.000**	**200.000**
Bicarbonate		2,330.00	1,850.00	1,820.00	1,850.00	1,550.00	1,539.00	1,400.00	1,240.00
Chloride	**477.00**	**520.00**	5.20	**362.00**	**337.00**	**282.00**	**276.00**	240.00	**270.00**
Nitrate	3.73	0.10	ND(0.04)	ND(0.20)	ND(0.05)	ND(0.50)	ND(0.05)	ND(0.50)	ND(0.50)
Sulfate	5.00	ND(3.00)	17.40	30.00	22.50	34.00	31.20	24.00	1.80
Alkalinity	216.00	2,330.00	1,850.00	1,820.00	1,850.00	1,550.00	1,540.00	1,400.00	1,240.00
TDS	3,600.00	2,300.00	2,070.00	1,540.00	1,690.00	1,430.00	1,821.00	1,500.00	1,600.00
Hardness	44.00	263.57	160.00	188.00 E	204.00	160.00	2,000.00	200.00	170.00

CW1-S (continued)

Metals (µg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(4.84)	**64.2**
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**	2.13 J	2.48 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(1.79)	ND(2.18)
Magnesium	35,400.0	27,600.0	25,900.0	25,800.0	6,740.0	19,500.0	19,100.0	2,020.0 J	25,600.0
Mercury	ND(0.2)	0.25	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.03)	0.07 J
Potassium	182,000.0	133,000.0	147,000.0	150,000.0	24,100.0	114,000.0	116,000.0	1,720.0 J	123,000.0
Sodium	**447,000.0**	**336,000.0**	**316,000.0**	**407,000.0**	**56,400.0**	**219,000.0**	**219,000.0**	5,850.0	**263,000.0**
Leachate Indicators (mg/l)									
Ammonia	**180.000**	**170.000**	**150.000**	**160.000**	ND(0.2)	**55.000**	**39.000**	**110.000**	**34.000**
Bicarbonate	1,400.00	1,500.00	1,300.00	1,300.00	820.00	880.00	900.00	870.00	990.00
Chloride	**260.00**	210.00	**270.00**	210.00	53.00	130.00	130.00	130.00	170.00
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Sulfate	7.80	31.00	20.00	2.46	28.00	34.00	28.00	12.00	17.00
Alkalinity	1,400.00	1,500.00	1,300.00	1,300.00	830.00	880.00	910.00	870.00	990.00
TDS	1,290.00	1,500.00	1,200.00	1,400.00	1,025.00	903.00	858.00	10,850.00	980.00
Hardness	200.00	160.00	160.00	170.00	57.00	121.00	120.00	27.00	168.00

CW1-S (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	109.0 J	103.0 J	9.5 J	530.0	51.0	ND(10.0)	ND(10.0)	ND(10.0)	41.3
Arsenic	**61.7**	**29.7**	**67.1**	**42.0**	**29.0**	**42.0**	**46.0**	**45.8**	**40.5**
Cadmium	ND(0.327)	ND(0.327)	0.74 J	ND(5.0)	ND(1.0)	ND(1.0))	ND(1.0)	ND(1.0)	ND(1.0)
Calcium	27,700.0	13,400.0	16,300.0	15,700.0	12,400.0	11,600.0	9,720.0	13,800.0	15,400.0
Chromium	2.06 J	10.1	12.2	2.2 J	ND(1.0)	3.0	ND(1.0)	1.1	1.8
Iron	**6,390.0**	**13,000.0**	**6,810.0**	**19,700.0**	**14,400.0**	**3,850.0**	**2,800.0**	**1,230.0**	**5,180.0**
Lead	ND(2.18)	ND(2.18)	ND(1.6)	6.4	ND(1.0)	ND(1.0)	2.0	ND(2.0)	ND(2.0)
Magnesium	26,400.0	8,420.0	19,700.0	9,100.0	6,400.0	10,600.0	8,710.0	12,400.0	13,700.0
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	103,000.0	19,300.0	86,600.0	18,300.0	19,700.0	55,600.0	47,800.0	57,900.0	52,200.0
Sodium	**349,000.0**	**33,400.0**	**170,000.0**	**30,600.0**	**26,900.0**	**93,600.0**	**63,800.0**	**68,800.0**	**70,600.0**
Leachate Indicators (mg/l)									
Ammonia	**140.000**	**3.73**	**80.000**	**16.800**	**16.000**	**74.000**	**55.000**	**56.00**	**71.00**
Bicarbonate	1,000.00	190.00	ND(2.00)	170.00	150.00	517.0	404.00	451.00	454.00
Chloride	160.00	29.00	75.00	22.80	18.00	56.00	35.00	47.00	50.00
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	0.15	0.53	0.59	0.83	1.70	0.65
Sulfate	13.00	30.00	8.53	31.80	32.00	11.00	15.00	12.00	12.00
Alkalinity	1,000.00	190.00	570.00	170.00	150.00	517.00	404.00	451.00	454.00
TDS	960.00	250.00	520.00	225.00	470.00	430.00	360.00	380.00	400.00
Hardness	177.90	68.26	121.75	76.50	57.30	72.60	60.10	85.50	94.90

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

CW1-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.6 J	3.3 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	0.27 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	0.90 J	1.70 J	ND(0.47)	1.90 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	0.20 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	0.46 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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
B: The analyte was found in an associated blank, as well as in the sample

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Aluminum	526.0	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(0.5)	ND(0.5)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	3,580.0 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	**1,960.0**	**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	20,000.0	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	195,000.0	271,000.0	137,000.0	100,000.0	89,400.0 E	88,700.0	77,500.0 E	93,800.0	63,900.0
Sodium	**391,000.0**	**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	**221.000**	**204.000**	**195.000**	**115.000**	**84.000**	**106.000**	**80.000**	**90.000**	**65.000**
Bicarbonate		1,450.00	1,180.00	814.00	724.00	680.00	597.00	560.00	420.00
Chloride	**363.00**	**255.00**	**337.00**	173.00	115.00	119.00	116.00	91.00	71.00
Nitrate	2.73	0.45	0.29	0.28	ND(0.05)	ND(0.50)	ND(0.05)	ND(0.50)	ND(0.50)
Sulfate	3.18	16.00	38.90	120.00	93.90	99.00	200.00	90.00	76.00
Alkalinity	1,870.00	1,450.00	1,180.00	814.00	724.00	680.00	598.00	560.00	420.00
TDS	2,570.00	1,280.00	1,380.00	736.00	744.00	773.00	792.00	770.00	600.00
Hardness	21.00	101.62	65.80	152.00 E	139.00	95.70	897.00	150.00	120.00

CW1-M (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	105.0 B	ND(45.7)	ND(7.3)	25.8 B	ND(78.9)	114.0 J	75.9 J	ND(180.0)	43.7 J
Arsenic	**113.0**	**70.4**	**29.3**	**56.7**	**75.1**	6.0 J	41.9	ND(4.84)	**40.6**
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(1.79)	ND(2.18)
Magnesium	18,700.0	20,300.0	14,700.0	16,700.0	24,400.0	11,300.0	11,700.0	1,260.0 J	12,500.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.03)	0.07 J
Potassium	66,600.0	59,700.0	58,000.0	72,800.0	124,773.4	44,800.0	44,800.0	1,050.0 J	39,300.0
Sodium	**120,000.0**	**119,000.0**	**92,400.0**	**156,000.0**	**254,000.0**	**64,300.0**	**54,100.0**	4,640.0 J	**66,400.0**
Leachate Indicators (mg/l)									
Ammonia	**50.000**	**71.000**	**51.000**	**61.000**	0.500	**21.000**	**39.000**	**37.000**	**34.000**
Bicarbonate	340.00	410.00	380.00	570.00	120.00	200.00	280.00	280.00	280.00
Chloride	68.00	89.00	78.00	95.00	170.00	47.00	36.00	32.00	42.00
Nitrate	0.60	ND(0.50)	ND(0.50)	ND(0.50)	2.40	7.40	0.70	0.70	ND(0.50)
Sulfate	54.00	83.00	69.00	54.00	19.00	73.00	110.00	56.00	48.00
Alkalinity	340.00	410.00	390.00	570.00	120.00	200.00	280.00	280.00	280.00
TDS	420.00	670.00	480.00	680.00	274.00	396.00	376.00	353.00	380.00
Hardness	120.00	130.00	94.00	110.00	150.00	77.00	83.00	22.00	92.00

CW1-M (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	129.0 J	ND(5.31)	48.0 J	ND(200.0)	18.0	ND(10.0)	ND(10.0)	ND(10.0)	44.0
Arsenic	**28.5**	**34.8**	**36.0**	**59.0**	**45.0**	**25.0**	**33.0**	**33.8**	**30.3**
Cadmium	1.71 J	ND(0.327)	ND(0.52)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Calcium	16,900.0	14,800.0	16,700.0	17,000.0	14,000.0	11,900.0	14,400.0	16,800.0	16,600.0
Chromium	2.03 J	9.02 J	5.8 J	3.0 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.8 B
Iron	**9,210.0**	**5,290.0**	**13,100.0**	**7,500.0**	**5,530.0**	**14,600.0**	**20,200.0**	170.0	**22,900.0**
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)	ND(1.0)	ND(1.0)	2.0	ND(2.0)	ND(2.0)
Magnesium	11,200.0	15,400.0	11,400.0	16,500.0	12,000.0	6,290.0	6,940.0	7,980.0	8,050.0
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	44,300.0	85,000.0	29,900.0	70,700.0	57,700.0	17,600.0	14,600.0	19,600.0	20,300.0
Sodium	**60.0**	**169,000.0**	**49,600.0**	**118,000.0**	**105,000.0**	**21,200.0**	19,000.0	**31,200.0**	**27,800.0**
Leachate Indicators (mg/l)									
Ammonia	0.470	**53.000**	**26.000**	**79.800**	**77.000**	**15.000**	**12.000**	**17.00**	**21.00**
Bicarbonate	270.00	660.00	ND(2.00)	669.00	610.00	136.00	122.00	173.00	170.00
Chloride	36.00	92.00	29.00	93.70	67.00	20.00	17.00	24.00	21.00
Nitrate	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.10)	ND(0.05)	0.05	0.08	0.15	0.11
Sulfate	44.00	8.79	33.00	7.10	10.00	27.00	33.00	31.00	34.00
Alkalinity	270.00	660.00	210.00	669.00	610.00	136.00	122.00	173.00	170.00
TDS	330.00	630.00	260.00	613.00	170.00	170.00	180.00	220.00	180.00
Hardness	88.20	100.42	88.45	110.00	84.40	55.60	64.50	74.80	74.60

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

CW2-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	NA	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	NA	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.9 J	3.3 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	0.8 J	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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
NA: Not Accessible
B: The analyte was found in an associated blank, as well as in the sample

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Aluminum	60.0 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(0.5)	ND(0.5)	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	7,500.0	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	16,800.0	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	**34,900.0**	**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	**2.520**	ND(0.050)	1.190	1.100	**4.900**	0.740	**7.400**	0.200	ND(0.200)
Bicarbonate		111.00	67.20	63.80	70.30	61.00	73.00	68.00	110.00
Chloride	51.40	31.20	44.10	37.20	26.90	33.60	40.80	46.00	46.00
Nitrate	ND(1.00)	1.31	ND(0.04)	0.46	ND(0.05)	ND(0.50)	0.295	0.86	0.90
Sulfate	76.40	55.50	40.20	40.00	39.80	36.50	48.80	39.00	39.00
Alkalinity	110.00	111.00	67.20	63.80	70.30	61.00	74.00	68.00	110.00
TDS	334.00	352.00	279.00	224.00	178.00	158.00	158.00	180.00	190.00
Hardness	55.00	169.62	145.00	80.70 E	88.70	80.80	110.00	100.00	79.00

CW2-M (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	86.8 B	NA	ND(7.3)	35.8 B	ND(78.9)	25.1 J	53.4 J	ND(180.0)	35.8 J
Arsenic	ND(2.5)	NA	ND(2.8)	ND(3.6)	ND(11.9)	ND(4.0)	ND(5.5)	ND(4.84)	ND(3.32)
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(1.22)	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(1.79)	ND(2.18)
Magnesium	8,240.0	NA	5,650.0	6,010.0	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(0.2)	ND(0.2)	0.14 J	0.04 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(0.200)	NA	ND(0.200)	ND(0.200)	ND(0.200)	0.300	ND(0.200)	0.487	0.367
Bicarbonate	59.00	NA	52.00	46.00	55.00	90.00	71.00	83.00	64.00
Chloride	43.00	NA	40.00	26.00	37.00	49.00	32.00	31.00	25.00
Nitrate	1.60	NA	ND(0.50)	1.40	0.90	6.60	7.70	ND(0.50)	ND(0.50)
Sulfate	31.00	NA	48.00	35.00	69.00	100.00	62.00	85.00	64.00
Alkalinity	59.00	NA	52.00	46.00	55.00	90.00	71.00	83.00	64.00
TDS	190.00	NA	160.00	140.00	222.00	321.00	221.00	251.00	190.00
Hardness	100.00	NA	69.00	73.00	97.00	136.00	104.00	118.00	87.00

CW2-M (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	97.0 J	ND(5.31)	ND(7.6)	ND(200.0)	30.0	17.0	ND(10.0)	ND(10.0)	17.4
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Cadmium	0.91 J	ND(0.327)	0.64 J	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.3 B
Calcium	24,500.0	24,600.0	25,200.0	18,100.0	17,400.0	16,500.0	18,000.0	13,700.0	13,100.0
Chromium	ND(0.343)	ND(0.343)	20.4	ND(10.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.3 B
Iron	150.0	ND(27.0)	72.2 J	72.0 J	74.0	46.0	20.0	64.0	83.1
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)	ND(1.0)	ND(1.0)	2.0	ND(2.0)	1.2 B
Magnesium	8,680.0	9,520.0	10,600.0	7,000.0	6,440.0	6,000.0	6,100.0	4,900.0	4,660.0
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.2)	ND0.2)	0.1 B	ND(0.2)	ND(0.2)
Potassium	10,900.0	8,080.0	8,590.0	6,700.0	7,680.0	7,700.0	7,600.0	6,300.0	4,980.0
Sodium	**21,100.0**	19,400.0	**22,700.0**	**20,300.0**	**23,400.0**	**22,300.0**	**23,100.0**	**23,700.0**	**17,200.0**
Leachate Indicators (mg/l)									
Ammonia	**34.000**	ND(0.200)	0.330	0.090	0.410	0.080	0.070	0.07	0.08
Bicarbonate	58.00	71.00	ND(2.00)	50.40	38.00	38.20	38.10	33.20	31.60
Chloride	27.00	31.00	27.00	30.60	48.00	43.00	38.00	36.00	28.00
Nitrate	ND(0.50)	1.67	1.22	1.00	1.90	2.40	2.60	2.20	1.80
Sulfate	65.00	64.00	32.00	37.10	26.00	28.00	30.00	29.00	25.00
Alkalinity	58.00	71.00	63.00	50.40	38.00	38.20	38.10	33.20	31.60
TDS	190.00	250.00	170.00	175.00	46.00	170.00	180.00	150.00	140.00
Hardness	96.90	100.53	106.71	74.00	70.00	65.90	70.10	54.30	51.90

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

NA: Not Accessible

CW4-S
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(5.0)	ND(0.3)	ND(0.3)	ND(0.3)

CW4-S (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.6 J	2.8 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(0.5)	ND(0.5)	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	**4.700**	1.650	1.810	ND(0.200)	**6.200**	**5.990**	1.140	ND(0.200)	**4.500**
Bicarbonate		82.70	110.00	15.40	126.00	150.00	191.00	40.00	280.00
Chloride	39.00	31.90	90.40	4.30	55.90	69.80	85.10	20.00	50.00
Nitrate	4.89	0.25	0.30	0.53	0.23	ND(0.50)	ND(0.05)	6.90	ND(0.50)
Sulfate	37.30	20.50	29.80	ND(5.00)	38.70	47.60	76.10	29.00	36.00
Alkalinity	63.00	82.70	110.00	15.40	126.00	150.00	192.00	40.00	280.00
TDS	218.00	173.00	206.00	46.00	324.00	305.00	376.00	130.00	280.00
Hardness	41.00	94.80	114.00	20.20 E	132.00	146.00	286.00	98.00	120.00

CW4-S (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	142.0 B	202.0	75.1 B	65.4 B	319.0	106.0 J	64.4 J	ND(180.0)	154.0
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.84)	ND(3.32)
Cadmium	2.9 B	3.3 B	3.3 B	ND(1.0)	1.2 B	0.93 J	1.3 J	1.58 J	2.7 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(1.22)	11.1
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(1.79)	17.2
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	619.0 J	229.0 J
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.08 J	0.04 J
Potassium	1,120.0 B	5,080.0	4,170.0 B	3,060.0 B	5,770.0	2,280.0 J	2,040.0 J	2,340.0 J	2,710.0 J
Sodium	1,430.0 B	8,520.0	4,570.0 B	4,210.0 B	5,980.0	1,750.0 J	1,380.0 J	1,190.0 J	1,740.0 J
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	0.600	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate	11.00	49.00	38.00	20.00	79.00	16.00	11.00	12.00	17.00
Chloride	2.30	11.00	8.50	4.70	8.40	2.40	2.50	2.80	3.30
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	0.90	0.50	0.70	0.90	0.50	0.717
Sulfate	ND(1.00)	10.00	8.60	4.06	7.70	1.90	14.00	ND(1.00)	ND(1.00)
Alkalinity	11.00	49.00	38.00	20.00	78.00	16.00	11.00	12.00	17.00
TDS	20.00	70.00	68.00	37.00	87.00	33.00	38.00	11.00	23.00
Hardness	12.00	41.00	33.00	20.00	34.00	15.00	15.00	17.00	15.00

CW4-S (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	488.0	ND(5.31)	652.0	300.0	125.0	ND(10.0)	7.2 B	ND(10.0)	175.0
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	5.4 J	ND(4.0)	7.0	ND(4.0)	ND(4.0)	ND(4.0)
Cadmium	3.69 J	ND(0.327)	**7.5**	2.3 J	**7.0**	1.0	0.6 B	0.7 B	**6.9**
Calcium	12,500.0	5,130.0	17,400.0	11,500.0	7,930.0	8,270.0	7,400.0	8,480.0	18,500.0
Chromium	15.7	1.31 J	20.4	11.0	3.0	2.0	ND(1.0)	0.9 B	3.3
Iron	**2,850.0**	**582.0**	**3,490.0**	**1,700.0**	**862.0**	11.0	12.0	6.0	**825.0**
Lead	**42.3**	ND(2.18)	**205.0**	**55.0**	7.0	ND(1.0)	2.0	ND(2.0)	5.0
Magnesium	3,780.0 J	557.0 J	6,340.0	3,100.0 J	1,210.0	1,040.0	1,100.0	1,780.0	6,780.0
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	7,250.0	1,790.0 J	5,980.0	4,000.0 J	4,960.0	5,400.0	4,200.0	4,940.0	7,370.0
Sodium	7,620.0	ND(332.0)	11,400.0	6,100.0	4,740.0	4,500.0	2,700.0	4,050.0	11,900.0
Leachate Indicators (mg/l)									
Ammonia	0.230	ND(0.200)	ND(0.200)	0.047	0.070	0.020	0.020	0.12	0.09
Bicarbonate	50.00	21.00	ND(2.00)	40.20	40.00	27.10	24.30	31.00	55.20
Chloride	14.00	4.02	11.00	9.00	4.00	7.30	3.50	8.10	21.00
Nitrate	ND(0.50)	ND(0.50)	0.61	0.78	1.10	1.10	0.94	1.30	2.60
Sulfate	14.00	3.28	11.00	7.40	3.70	3.50	ND(3.00)	5.60	15.00
Alkalinity	50.00	21.00	44.00	40.20	40.00	27.10	24.30	31.00	55.20
TDS	120.00	33.00	81.00	71.00	170.00	40.00	50.00	39.00	150.00
Hardness	46.70	15.10	69.58	41.50	24.80	24.90	23.00	28.50	74.10

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

CW4-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(5.0)	ND(0.3)	ND(0.3)	ND(0.3)

CW4-M (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.5 J	3.0 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	1.1 J	1.10 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	0.6 J	ND(0.18)	ND(0.18)	0.41J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	0.8J	ND(0.17)	ND(0.17)	1.20 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	0.36 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(0.5)	ND(0.5)	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	12,600.0	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	1,810.0 B	2,940.0 B	1,310.0 B	1,570.0 B	1,950.0 BE	1,460.0	1,320.0 BE	1,170.0 B	1,350.0 B
Sodium	15,300.0	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(1.000)	ND(0.050)	ND(0.050)	ND(0.200)	0.270	ND(0.200)	1.420	4.300	ND(0.200)
Bicarbonate		51.90	42.30	33.00	32.00	31.50	30.00	110.00	69.00
Chloride	53.20	32.10	18.20	17.30	22.20	19.10	19.50	39.00	21.00
Nitrate	ND(1.00)	7.15	6.30	6.30	6.80	7.41	3.26	ND(0.50)	7.20
Sulfate	27.30	35.90	29.80	39.50	35.70	36.00	12.60	35.00	37.00
Alkalinity	124.00	51.90	42.30	33.00	32.00	31.50	31.00	110.00	69.00
TDS	319.00	154.00	121.00	152.00	232.00	150.00	130.00	200.00	130.00
Hardness	47.00	144.56	98.80	92.30 E	99.90	88.80	46.00	110.00	85.00

CW4-M (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	110.0 B	ND(45.7)	ND(7.3)	ND(10.1)	ND(78.9)	99.9 J	39.2 J	ND(180.0)	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(4.84)	ND(3.32)
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(1.22)	2.42 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(1.79)	ND(2.18)
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(0.2)	ND(0.2)	0.09 J	0.04 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	1,200.0 J	1,080.0 J	1,350.0 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	12,600.0
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.300	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate	38.00	44.00	43.00	37.00	81.00	41.00	32.00	32.00	35.00
Chloride	20.00	22.00	30.00	23.00	22.00	22.00	22.00	22.00	22.00
Nitrate	5.90	6.90	6.70	7.20	6.80	6.90	7.30	7.20	7.28
Sulfate	28.00	31.00	26.00	26.00	32.00	31.00	39.00	37.00	40.00
Alkalinity	38.00	44.00	43.00	37.00	82.00	42.00	32.00	32.00	35.00
TDS	140.00	140.00	180.00	120.00	195.00	183.00	172.00	137.00	170.00
Hardness	110.00	88.00	86.00	80.00	96.00	91.00	88.00	89.00	96.00

CW4-M (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	89.4 J	ND(5.31)	ND(7.6)	ND(200.0)	28.0	40.0	ND(10.0)	ND(10.0)	ND(10.0)
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	8.8 J	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Cadmium	ND(0.327)	ND(0.327)	ND(0.52)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Calcium	22,000.0	25,200.0	29,600.0	25,800.0	24,900.0	24,500.0	23,900.0	24,800.0	24,800.0
Chromium	1.79 J	50.2	7.4 J	2.6 J	2.0	2.0	ND(1.0)	0.8 B	2.3
Iron	ND(27.0)	261.0	ND(30.4)	47.0 J	34.0	4.0	7.0	ND(2.0)	98.6
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)	ND(1.0)	ND(1.0)	2.0	ND(2.0)	ND(2.0)
Magnesium	8,700.0	10,100.0	13,100.0	9,900.0	9,590.0	9,310.0	9,340.0	9,310.0	9,700.0
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	1,430.0 J	995.0 J	206.0 J	1,100.0 J	1,500.0	1,500.0	1,400.0	1,580.0	1,460.0
Sodium	11,600.0	12,800.0	16,200.0	12,100.0	13,600.0	13,100.0	12,600.0	13,500.0	13,200.0
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	0.310	ND(0.200)	0.019 J	0.020	0.020	ND(0.020)	0.07	0.03
Bicarbonate	37.00	39.00	ND(2.00)	38.20	44.00	39.70	38.80	38.00	36.80
Chloride	23.00	24.00	24.00	22.80	21.00	26.00	24.00	22.00	22.00
Nitrate	7.10	7.44	7.43	7.30	7.10	6.70	7.80	7.70	6.80
Sulfate	33.00	11.00	33.00	35.90	33.00	35.00	36.00	38.00	35.00
Alkalinity	37.00	39.00	39.00	38.20	44.00	39.70	38.80	38.00	36.80
TDS	160.00	180.00	180.00	192.00	180.00	170.00	200.00	170.00	200.00
Hardness	90.80	104.76	127.97	105.00	102.00	99.50	98.10	100.00	102.00

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

EN1-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(5.0)	ND(0.3)	ND(0.3)	ND(0.3)

EN1-M (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	0.48 JB	ND(5.00)	ND(5.00)	2.2 J	3.0 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	1.7 J	ND(0.33)	1.4 J	1.0 J	ND(5.00)	ND(5.00)	ND(5.00)	0.81 J	1.00 J
1,1-Dichloroethane	1.9 J	ND(0.28)	1.8 J	1.6 J	ND(5.00)	ND(5.00)	ND(5.00)	1.5 J	1.60 J
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	1.2 J	0.7 J	ND(0.18)	0.97 J	ND(5.00)	ND(5.00)	ND(5.00)	0.87 J	0.93 J
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	2.9 J	1.9 J	2.6 J	3.0 J	ND(5.00)	ND(5.00)	1.0 J	1.6 J	1.80 J
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	0.87 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.70 J
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(0.5)	ND(0.5)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	32,400.0	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	12,100.0	13,700.0	11,700.0	9,4400 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	1,470.0 B	2,520.0 B	1,190.0 B	1,640.0 B	1,640.0 BE	1,470.0	1,260.0 BE	1,270.0 B	1,350.0 B
Sodium	10,800.0	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(1.000)	ND(0.050)	ND(0.050)	ND(0.200)	ND(0.100)	ND(0.200)	1.420	ND(0.200)	ND(0.200)
Bicarbonate		22.20	21.90	24.20	23.40	23.20	24.00	27.00	50.00
Chloride	23.00	24.20	23.00	24.20	26.90	29.00	26.60	29.00	29.00
Nitrate	9.41	8.85	9.50	7.60	8.50	8.83	3.66	8.00	8.80
Sulfate	67.30	52.90	36.30	44.00	54.80	39.60	79.90	43.00	50.00
Alkalinity	23.00	22.20	21.90	24.20	23.40	23.20	25.00	27.00	50.00
TDS	203.00	172.00	165.00	132.00	200.00	148.00	155.00	150.00	150.00
Hardness	43.00	145.44	123.00	100.0 E	120.00	106.00	38.00	110.00	90.00

EN1-M (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	18.1 B	ND(45.7)	ND(7.3)	ND(10.1)	ND(78.9)	13.5 J	38.0 J	ND(180.0)	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(4.84)	ND(3.32)
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(1.22)	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(1.79)	ND(2.18)
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(0.2)	ND(0.2)	ND(0.03)	0.06 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	1,380.0 J	1,410.0	1,500.0 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(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.300	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate	24.00	34.00	28.00	26.00	77.00	26.00	23.00	24.00	27.00
Chloride	29.00	28.00	37.00	30.00	31.00	32.00	32.00	35.00	33.00
Nitrate	7.40	9.50	9.60	9.60	9.20	9.70	9.60	9.00	8.84
Sulfate	38.00	52.00	46.00	37.00	38.00	44.00	46.00	50.00	49.00
Alkalinity	24.00	34.00	28.00	26.00	77.00	26.00	23.00	24.00	27.00
TDS	190.00	160.00	230.00	160.00	223.00	240.00	215.00	187.00	190.00
Hardness	120.00	110.00	95.00	92.00	99.00	102.00	102.00	105.00	101.00

EN1-M (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	93.1 J	ND(5.31)	ND(7.6)	ND(200.0)	30.0	13.0	ND(10.0)	ND(10.0)	11.8
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Cadmium	0.51 J	ND(0.327)	1.2 J	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.4 B
Calcium	23,300.0	20,600.0	25,600.0	24,200.0	23,200.0	22,600.0	20,800.0	23,000.0	23,200.0
Chromium	1.56 J	6.77 J	21.1	1.9 J	2.0	2.0	ND(1.0)	1.1	3.7
Iron	ND(27.0)	ND(27.0)	52.5 J	ND(100.0)	28.0	9.0	6.0	6.0	151.0
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)	ND(1.0)	ND(1.0)	2.0	ND(2.0)	ND(2.0)
Magnesium	8,580.0	7,770.0	10,200.0	9,200.0	8,550.0	8,520.0	7,780.0	8,340.0	8,590.0
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	1,420.0 J	1,690.0 J	542.0 J	1,200.0 J	1,430.0	1,500.0	1,400.0	1,580.0	1,460.0
Sodium	17,000.0	19,200.0	18,700.0	17,800.0	18,600.0	18,500.0	**20,200.0**	**19,200.0**	**19,400.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.040)	0.030	0.040	0.030	0.06	0.21
Bicarbonate	28.00	29.00	ND(2.00)	28.40	32.00	28.70	34.50	31.10	29.60
Chloride	33.00	29.00	29.00	26.20	24.00	30.00	27.00	26.00	26.00
Nitrate	8.66	8.76	8.96	8.50	9.20	8.30	**10.00**	9.90	**10.00**
Sulfate	42.00	41.00	43.00	40.10	41.00	39.00	37.00	37.00	36.00
Alkalinity	28.00	29.00	30.00	28.40	32.00	28.70	34.50	31.10	29.60
TDS	190.00	220.00	210.00	193.00	140.00	190.00	210.00	180.00	210.00
Hardness	93.60	83.52	106.03	98.10	93.10	91.50	84.00	91.80	93.30

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

EN6-S
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(5.0)	ND(0.3)	ND(0.3)	ND(0.3)

EN6-S (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.5 J	3.0 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	1.1 J	ND(0.18)	ND(0.18)	0.58 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	0.5 J	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	0.59 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(0.5)	ND(0.5)	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	1,200.0	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	1,270.0 B	1,480.0 B	1,680.0 BE	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(1.000)	ND(0.050)	ND(0.050)	ND(0.200)	ND(0.100)	ND(0.200)	1.290	ND(0.200)	ND(0.200)
Bicarbonate		15.20	12.90	13.20	17.00	13.50	11.00	16.00	34.00
Chloride	62.00	42.20	44.50	36.10	47.20	36.70	37.20	48.00	49.00
Nitrate	7.37	**13.00**	6.00	5.60	5.80	5.49	3.91	3.70	6.60
Sulfate	21.80	31.30	24.90	20.50	21.80	22.00	26.20	22.00	24.00
Alkalinity	14.00	15.20	12.90	13.20	17.00	13.50	12.00	16.00	34.00
TDS	174.00	101.00	139.00	164.00	196.00	92.00	115.00	130.00	150.00
Hardness	22.00	92.09	69.10	59.60 E	68.10	51.40	18.00	49.00	56.00

EN6-S (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(4.84)	ND(3.32)
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	14,100.0	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	2.74 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(1.79)	ND(2.18)
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(0.2)	ND(0.2)	ND(0.03)	0.09 J
Potassium	1,840.0 B	1,570.0 B	1,520.0 B	1750.0 B	1,870.0 B	1,740.0 J	1,540.0 J	1,610.0 J	1,850.0 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(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.400	2.500	**0.356**	ND(0.200)
Bicarbonate	16.00	24.00	16.00	13.00	14.00	14.00	9.50	11.00	14.00
Chloride	45.00	48.00	57.00	46.00	49.00	48.00	48.00	57.00	51.00
Nitrate	6.80	6.90	7.20	8.30	7.40	7.60	6.30	6.20	5.35
Sulfate	27.00	25.00	26.00	28.00	28.00	29.00	23.00	26.00	24.00
Alkalinity	16.00	24.00	16.00	13.00	14.00	14.00	9.50	11.00	14.00
TDS	170.00	140.00	200.00	160.00	196.00	214.00	172.00	216.00	150.00
Hardness	77.00	62.00	56.00	64.00	66.00	59.00	54.00	60.00	53.00

EN6-S (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	137.0 J	ND(5.31)	ND(7.6)	ND(200.0)	23.0	11.0	ND(10.0)	ND(10.0)	44.2
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Cadmium	0.6 J	ND(0.327)	1.2 J	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Calcium	11,800.0	9,920.0	13,400.0	11,700.0	11,400.0	13,400.0	13,200.0	14,800.0	14,300.0
Chromium	4.33 J	15.8	10.6	6.1 J	2.0	4.0	ND(1.0)	ND(1.0)	9.9
Iron	111.0	ND(27.0)	71.6 J	68.0 J	44.0	26.0	26.0	22.0	179.0
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)	ND(1.0)	ND(1.0)	2.0	ND(2.0)	ND(2.0)
Magnesium	5,330.0	4,620.0 J	6,580.0	5,500.0	5,150.0	6,190.0	5,990.0	6,630.0	6,400.0
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	1,610.0 J	1,710.0 J	1,120.0 J	1,400.0 J	1,740.0	2,000.0	1,800.0	2,320.0	2,110.0
Sodium	**26,400.0**	**26,900.0**	**27,500.0**	**23,100.0**	**24,200.0**	**23,100.0**	**26,700.0**	**31,000.0**	**28,800.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	0.400	ND(0.200)	0.016 J	ND(0.020)	0.020	ND(0.020)	0.10	0.04
Bicarbonate	15.00	17.00	ND(2.00)	14.70	ND(20.00)	ND(20.00)	ND(20.00)	ND(20.00)	ND(20.00)
Chloride	54.00	34.00	40.00	37.10	35.00	41.00	44.00	52.00	54.00
Nitrate	5.62	5.35	4.95	5.20	6.10	5.20	6.80	7.20	6.40
Sulfate	21.00	22.00	18.00	19.70	24.00	22.00	26.00	27.00	24.00
Alkalinity	15.00	17.00	18.00	14.70	ND(20.00)	ND(20.00)	ND(20.00)	ND(20.00)	ND(20.00)
TDS	180.00	140.00	150.00	134.00	160.00	140.00	180.00	170.00	200.00
Hardness	51.40	43.81	60.58	51.70	49.70	59.00	57.60	64.30	62.10

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

EN6-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(5.0)	ND(0.3)	ND(0.3)	ND(0.3)

EN6-M (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.8 J	2.8 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	1.3 J	ND(0.28)	ND(0.28)	0.91 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	0.17 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	**1.5 J**	0.9 J	1.1 J	1.1 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	4.9 J	2.4 J	4.2 J	**6.9**	ND(5.00)	ND(5.00)	0.87 J	1.0 J	0.86 J
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	118,000.0	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)	20.0 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 BE	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(1.000)	ND(0.050)	ND(0.050)	ND(0.200)	ND(0.100)	ND(0.200)	1.140	ND(0.200)	ND(0.200)
Bicarbonate		123.00	128.00	132.00	126.00	144.00	148.00	130.00	160.00
Chloride	248.00	250.00	250.00	**649.00**	217.00	222.00	198.00	180.00	190.00
Nitrate	2.77	2.46	ND(0.04)	1.80	2.00	2.04	1.01	2.90	3.00
Sulfate	105.00	89.00	51.00	105.00	132.00	177.00	204.00	57.00	130.00
Alkalinity	123.00	123.00	128.00	132.00	126.00	144.00	149.00	130.00	160.00
TDS	740.00	745.00	598.00	804.00	800.00	727.00	567.00	530.00	540.00
Hardness	150.00	494.39	434.00	406.00 E	426.00	398.00	225.00	430.00	340.00

EN6-M (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	5/03	10/03	6/04	10/04	4/05
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(4.84)	ND(3.32)
Cadmium	ND(0.4)	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	0.2 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(1.22)	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	154.0
Lead	ND(2.5)	ND(3.0)	4.9	6.4	4.2	5.0	6.3	ND(1.79)	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(0.2)	ND(0.2)	ND(0.03)	0.09 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	4,530.0 J	4,520.0 J	4,530.0 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(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.400	1.700	ND(0.200)	0.251
Bicarbonate	130.00	150.00	140.00	150.00	150.00	130.00	150.00	140.00	140.00
Chloride	140.00	120.00	160.00	100.00	130.00	74.00	120.00	120.00	110.00
Nitrate	2.40	3.60	3.30	2.80	3.50	4.50	5.10	5.20	5.86
Sulfate	100.00	150.00	14.00	86.00	150.00	120.00	180.00	120.00	120.00
Alkalinity	130.00	150.00	150.00	150.00	150.00	130.00	150.00	140.00	140.00
TDS	580.00	460.00	620.00	410.00	566.00	465.00	526.00	475.00	510.00
Hardness	360.00	300.00	320.00	300.00	280.00	234.00	286.00	265.00	259.00

EN6-M (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	100.0 J	ND(5.31)	ND(7.6)	ND(200.0)	66.0	24.0	ND(10.0)	ND(10.0)	ND(10.0)
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Cadmium	1.02 J	ND(0.327)	2.0 J	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.4 B
Calcium	71,700.0	50,100.0	79,500.0	64,900.0	59,700.0	55,800.0	37,800.0	34,600.0	34,900.0
Chromium	1.54 J	2.57 J	14.1	ND(10.0)	**52.0**	ND(1.0)	ND(1.0)	ND(1.0)	0.8 B
Iron	ND(27.0)	ND(27.0)	ND(30.4)	ND(100.0)	259.0	6.0	28.0	54.0	115.0
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)	ND(1.0)	ND(1.0)	2.0	ND(2.0)	ND(2.0)
Magnesium	19,800.0	17,500.0	26,300.0	19,700.0	18,100.0	16,700.0	9,460.0	9,330.0	8,080.0
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	4,480.0 J	3,210.0 J	3,820.0 J	3,300.0 J	3,520.0	3,700.0	2,300.0	2,890.0	2,470.0
Sodium	**58,000.0**	**46,300.0**	**65,200.0**	**48,200.0**	**47,800.0**	**48,800.0**	**31,800.0**	**29,700.0**	**26,400.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	0.350	ND(0.200)	0.015 J	ND(0.200)	ND(0.020)	ND(0.020)	0.11	0.03
Bicarbonate	130.00	120.00	ND(2.00)	120.00	150.00	114.00	76.80	72.20	65.50
Chloride	110.00	67.00	99.00	95.50	88.00	86.00	46.00	45.00	42.00
Nitrate	6.28	9.07	6.75	5.90	6.60	6.40	**11.00**	8.60	9.30
Sulfate	91.00	65.00	79.00	81.40	72.00	67.00	36.00	31.00	28.00
Alkalinity	130.00	120.00	120.00	120.00	150.00	114.00	76.80	72.20	65.50
TDS	500.00	370.00	460.00	415.00	360.00	360.00	270.00	230.00	250.00
Hardness	260.50	197.23	306.94	243.00	224.00	208.00	133.00	125.00	120.00

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

EN7-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(5.0)	ND(0.3)	1.1	1.1

EN7-M (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	1.70 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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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)	0.90 J	1.00 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)	2.50 J	**3.6 J**

EN7-M (continued)

Parameter	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	**3.8 J**	1.0 J	ND(0.62)	1.1 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.7 J	2.8 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	2.7 J	ND(0.28)	1.8 J	1.5 J	ND(5.00)	ND(5.00)	1.1 J	ND(5.0)	ND(5.0)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	**5.8**	**5.7**	**7.8**	**8.9**	ND(5.00)	ND(5.00)	**6.1**	**5.0**	**6.00**
Benzene	0.90 J	ND(0.35)	ND(0.35)	0.56 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	0.50 J
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	**10.0**	ND(0.74)	2.3 J	0.91 J	**5.3**	**5.2**	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	1.8 J	1.4 J	1.3 J	1.6 J	ND(5.00)	ND(5.00)	1.4 J	1.3 J	1.30 J
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	0.9 J	0.8 J	ND(0.67)	0.55 J	ND(5.00)	ND(5.00)	0.77 J	0.75 J	0.76 J
1,3-Dichlorobenzene	ND(0.65)	**3.4 J**	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	**3.2 J**	2.9 J	2.7 J	1.7 J	ND(5.00)	ND(5.00)	2.5 J	2.6 J	2.60 J

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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(0.5)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	80,800.0	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 BE	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	**2.520**	ND(0.250)	ND(0.050)	ND(0.200)	ND(0.100)	ND(0.200)	ND(0.100)	ND(0.200)	ND(0.200)
Bicarbonate		84.90	86.73	99.00	109.00	140.00	150.00	180.00	200.00
Chloride	239.00	**254.00**	**253.00**	**264.00**	**253.00**	**273.00**	**278.00**	**290.00**	**270.00**
Nitrate	5.00	5.15	2.88	2.70	2.40	1.89	0.603	1.00	0.70
Sulfate	236.00	229.00	97.90	225.00	221.00	245.00	**351.00**	210.00	200.00
Alkalinity	62.00	84.90	86.70	99.00	109.00	140.00	151.00	180.00	200.00
TDS	856.00	1,020.00	6,990.00	860.00	956.00	953.00	729.00	740.00	750.00
Hardness	111.00	369.03	374.00	355.0 E	358.00	334.00	226.00	670.00	320.00

EN7-M (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	5/03	10/03	6/04	10/04	4/05
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)	9.62 J
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.84)	ND(3.32)
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(1.22)	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(1.79)	ND(2.18)
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(0.2)	ND(0.2)	ND(0.03)	0.09 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(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.300	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate	190.00	220.00	240.00	280.00	300.00	290.00	330.00	340.00	410.00
Chloride	**270.00**	**260.00**	**270.00**	**260.00**	**280.00**	**270.00**	**270.00**	**270.00**	**280.00**
Nitrate	ND(0.50)	0.99	ND(0.50)	0.70	0.60	ND(0.50)	0.60	0.60	ND(0.50)
Sulfate	160.00	290.00	200.00	36.00	280.00	**320.00**	**350.00**	180.00	190.00
Alkalinity	190.00	220.00	240.00	280.00	300.00	290.00	330.00	340.00	410.00
TDS	930.00	780.00	950.00	790.00	1,050.00	1,077.00	1,106.00	1,049.00	1,100.00
Hardness	380.00	360.00	350.00	340.00	360.00	387.00	395.00	360.00	401.00

EN7-M (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	109.0 J	ND(5.31)	12.5 J	ND(200.0)	154.0	45.0	ND(10.0)	ND(10.0)	264.0
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Cadmium	0.41 J	ND(0.327)	0.98 J	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Calcium	95,600.0	90,200.0	127,000.0	116,000.0	125,000.0	127,000.0	124,000.0	122,000.0	123.0
Chromium	ND(0.343)	**98.8**	12.7	ND(10.0)	ND(1.0)	2.0	ND(1.0)	ND(1.0)	2.2
Iron	40.9 J	**352.0**	102.0	120.0	204.0	84.0	92.0	46.0	**513.0**
Lead	2.610 J	ND(2.18)	ND(1.6)	ND(3.0)	ND(1.0)	ND(1.0)	2.0	ND(2.0)	ND(2.0)
Magnesium	**40,900.0**	**39,300.0**	**57,900.0**	**50,500.0**	**52,300.0**	**51,300.0**	**51,100.0**	**49,100.0**	**49,100.0**
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	6,040.0	5,170.0	5,000.0 J	5,200.0	5,510.0	6,500.0	5,700.0	5,620.0	5,960.0
Sodium	**301,000.0**	**266,000.0**	**300,000.0**	**173,000.0**	**228,000.0**	**227,000.0**	**211,000.0**	**212,000.0**	**187,000.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	0.045	0.120	0.160	0.090	0.18	0.22
Bicarbonate	430.00	480.00	ND(2.00)	515.00	650.00	555.00	556.00	514.00	525.00
Chloride	**280.00**	**280.00**	**270.00**	239.00	**280.00**	**290.00**	**280.00**	240.00	240.00
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.10)	ND(0.05)	ND(0.05)	ND(0.05)	0.05	ND(0.05)
Sulfate	160.00	130.00	110.00	104.00	120.00	130.00	140.00	120.00	100.00
Alkalinity	430.00	480.00	510.00	515.00	650.00	555.00	556.00	514.00	525.00
TDS	1100.00	1100.00	1100.00	1090.00	1100.00	1,100.00	1,100.00	1,100.00	1,100.00
Hardness	407.20	387.02	555.41	498.00	527.00	528.00	520.00	507.00	509.00

Note:
ND( ): Compound not detected at method detection limit
J: Indicates an estimated value; compound is present at a concentration less than specified detection limit
Bold indicates value above NYSDEC Class GA Standard
B: The analyte was found in an associated blank, as well as in the sample
E: Reported value is estimated because of the presence of interference

EN9-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(5.0)	ND(0.3)	ND(0.3)	ND(0.3)

EN9-M (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.5 J	2.7 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(0.5)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	26,600.0	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 BE	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(1.000)	ND(0.050)	ND(0.050)	ND(0.200)	ND(0.100)	ND(0.200)	1.430	ND(0.200)	ND(0.200)
Bicarbonate		29.90	29.60	35.20	36.20	32.50	4.00	30.00	58.00
Chloride	727.00	65.80	50.80	112.00	83.80	110.00	108.00	58.00	97.00
Nitrate	1.42	0.96	0.71	0.90	0.91	0.89	0.42	0.89	0.86
Sulfate	186.00	14.20	16.40	14.00	16.60	15.60	24.40	17.00	19.00
Alkalinity	28.00	29.90	29.60	35.20	36.20	32.50	4.20	30.00	58.00
TDS	203.00	95.00	140.00	238.00	256.00	225.00	209.00	140.00	210.00
Hardness	39.00	111.34	88.80	77.1 E	103.00	116.00	63.00	84.00	100.00

EN9-M (continued)

Metals (µg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(4.84)	ND(3.32)
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(1.22)	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(1.79)	ND(2.18)
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(0.2)	ND(0.2)	ND(0.03)	0.07 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	1,800.0 J	1,800.0 J	2,140 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(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.300	0.500	ND(0.200)	ND(0.200)
Bicarbonate	30.00	45.00	36.00	32.00	34.00	24.00	31.00	30.00	33.00
Chloride	120.00	80.00	94.00	47.00	39.00	110.00	79.00	81.00	100.00
Nitrate	0.93	1.00	0.90	1.20	0.50	1.10	0.80	0.78	0.86
Sulfate	14.00	17.00	16.00	17.00	19.00	16.00	19.00	19.00	180.00
Alkalinity	30.00	45.00	36.00	32.00	34.00	24.00	31.00	30.00	33.00
TDS	280.00	190.00	240.00	150.00	165.00	360.00	273.00	74.00	310.00
Hardness	130.00	91.00	86.00	68.00	66.00	111.00	95.00	89.00	99.00

EN9-M (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	94.1 J	ND(5.31)	ND(7.6)	ND(200.0)	109.0	ND(10.0)	ND(10.0)	ND(10.0)	49.8
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	ND(10.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Cadmium	ND(0.327)	ND(0.327)	1.2 J	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Calcium	23,400.0	21,000.0	24,600.0	29,700.0	32,100.0	27,600.0	27,300.0	26,600.0	31,100.0
Chromium	0.86 J	9.89 J	11.6	ND(10.0)	ND(1.0)	2.0	ND(1.0)	ND(1.0)	1.5
Iron	ND(27.0)	ND(27.0)	ND(30.4)	ND(100.0)	165.0	20.0	2.0	3.0	112.0
Lead	ND(2.18)	ND(2.18)	ND(1.6)	ND(3.0)	ND(1.0)	ND(1.0)	2.0	ND(2.0)	ND(2.0)
Magnesium	10,300.0	10,200.0	12,800.0	14,100.0	14,300.0	12,000.0	12,000.0	11,300.0	13,600.0
Mercury	ND(0.03)	ND(0.03)	ND(0.18)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	2,030.0 J	1,480.0 J	956.0 J	2,100.0 J	2,790.0	2,700.0	2,400.0	2,500.0	2,650.0
Sodium	**31,400.0**	**28,600.0**	**29,700.0**	**31,600.0**	**52,700.0**	**57,300.0**	**51,300.0**	**55,700.0**	**55,300.0**
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	0.490	ND(0.200)	ND(0.040)	ND(0.020)	0.040	0.020	0.06	0.07
Bicarbonate	36.00	38.00	ND(2.00)	35.40	48.00	35.80	36.90	33.60	34.20
Chloride	98.00	68.00	66.00	112.00	130.00	160.00	140.00	130.00	140.00
Nitrate	0.78	ND(0.50)	ND(0.50)	0.62	0.71	0.86	0.76	0.71	0.78
Sulfate	19.00	19.00	21.00	16.00	15.00	16.00	18.00	17.00	16.00
Alkalinity	36.00	38.00	36.00	35.40	48.00	35.80	36.90	33.60	34.20
TDS	260.00	230.00	240.00	302.00	300.00	330.00	380.00	300.00	410.00
Hardness	100.90	94.39	114.03	132.00	139.00	118.00	118.00	113.00	134.00

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

EN10-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(5.0)	ND(0.3)	ND(0.3)	ND(0.3)

EN10-M (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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)	2.70 J	1.30 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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.7 J	2.6 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	0.14 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Metals (µg/l)	11/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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(0.5)	ND(0.5)	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 BE	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	1.120	ND(0.050)	ND(0.050)	ND(0.200)	ND(0.100)	ND(0.200)	1.430	ND(0.200)	ND(0.200)
[illegible]	[illegible]	13.60	18.3[illegible]	19.8	21.30	20.50	16.00	22.00	35.00
Chloride	21.30	19.60	21.70	23.50	22.20	23.00	23.00	21.00	23.00
Nitrate	**10.10**	8.40	7.50	7.80	8.20	8.44	3.50	8.10	8.30
Sulfate	44.00	55.50	19.90	40.00	44.30	39.20	56.10	40.00	46.00
Alkalinity	27.00	19.60	18.30	19.80	21.30	20.50	17.00	22.00	35.00
TDS	167.00	184.00	143.00	138.00	28.00	168.00	133.00	140.00	130.00
Hardness	110.00	110.28	102.00	88.6 E	94.10	82.70	25.50	88.00	83.00

EN10-M (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	64.3 B	ND(45.7)	ND(7.3)	ND(10.1)	ND(78.9)	9.0 J	46.8	305.0	1,910.0
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.84)	ND(3.32)
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	1.96 J	7.91 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	**33.8**
Magnesium	8,460.0	8,120.0	7,420.0	7,560.0	8,450.0	7,230.0	7,560.0	4,530.0 J	6,080.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.03)	0.07 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	1,230.0 J	3,600.0	3,300.0 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(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.300	0.400	ND(0.200)	ND(0.200)
Bicarbonate	[illegible]	[illegible]	9.00	[illegible]	20.0	[illegible]	[illegible]	23.00	[illegible]
Chloride	23.00	25.00	34.00	26.00	26.00	27.00	26.00	10.00	20.00
Nitrate	7.00	8.20	8.10	9.80	7.50	8.20	8.20	2.50	6.33
Sulfate	38.00	40.00	43.00	36.00	190.00	75.00	42.00	15.00	32.00
Alkalinity	19.00	28.00	29.00	18.00	20.00	20.00	16.00	23.00	23.00
TDS	90.00	130.00	160.00	140.00	196.00	206.00	205.00	34.00	190.00
Hardness	90.00	87.00	80.00	81.00	87.00	84.00	82.00	54.00	65.00

EN10-M (continued)

Metals (µg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Aluminum	1,580.0	10,900.0	321.0	380.0	273.0	12.0	107.0	47.5	617.0
Arsenic	ND(3.32)	ND(3.32)	ND(4.1)	4.5 J	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Cadmium	ND(0.327)	ND(0.327)	ND(0.52)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Calcium	7,450.0	5,340.0	1,460.0 J	1,200.0 J	1,350.0	799.0	2,050.0	1,230.0	1,390.0
Chromium	8,460.0 J	34.6	8.7 J	1.9 J	**6.0**	ND(1.0)	ND(1.0)	9.4	7.8
Iron	**1,170.0**	**40,800.0**	**437.0**	**400.0**	**1,500.0**	24.0	206.0	279.0	**1,610.0**
Lead	**69.8**	**285.0**	16.2	15.0	13.0	ND(1.0)	3.0	ND(2.0)	15.4
Magnesium	2,660.0 J	2,150.0 J	582.0 J	400.0 J	426.0	260.0	550.0	418.0	455.0
Mercury	ND(0.03)	0.11 J	ND(0.18)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	2,880.0 J	2,320.0 J	1,250.0 J	840.0 J	3,570.0	700.0	2,400.0	992.0	2,710.0
Sodium	5,020.0	3,480.0 J	ND(215.0)	1,200.0 J	1,580.0	1,200.0	800.0	1,380.0	769.0
Leachate Indicators (mg/l)									
Ammonia	0.450	ND(0.100)	0.450	0.070	0.030	0.040	0.270	0.15	0.31
[illegible]	1.0	[illegible]	ND[illegible]	3.10	[illegible]	[illegible]	[illegible]	ND(20.00)	ND(20.00)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ND([illegible]	ND(3.00)	ND(3.00)
Nitrate	0.83	ND(0.50)	ND(0.50)	0.27	ND(0.50)	0.48	0.10	0.57	ND(0.05)
Sulfate	14.00	4.02	ND(1.00)	1.80	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
Alkalinity	21.00	12.00	9.44	3.10	ND(20.00)	ND(20.00)	ND(20.00)	ND(20.00)	ND(20.00)
TDS	90.00	38.00	21.00	14.00	21.00	ND(10.00)	29.00	16.00	27.00
Hardness	32.00	22.18	6.04	4.70	5.13	3.07	7.38	4.80	5.37

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

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

Parameter	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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)	3.40 J	2.10 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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.2 J	2.6 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	0.17 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	2.10 J	ND(0.74)	1.70 J	2.60	ND(5.00)	ND(5.00)	ND(5.00)	1.9 J	2.40 J
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Leachate Indicators (mg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Ammonia	ND(1.000)	ND(0.050)	0.140	ND(0.200)	0.130	ND(0.200)	ND(0.200)	ND(0.200)	0.280
Bicarbonate		25.20	28.20	24.20	29.80	27.50	27.50	32.00	38.00
Chloride	49.60	38.20	35.10	30.30	30.00	38.50	33.70	40.00	40.00
Nitrate	1.70	1.99	1.48	1.70	1.50	1.92	0.789	1.60	1.50
Sulfate	21.80	16.00	18.50	17.00	19.90	20.30	27.10	20.00	21.00
Alkalinity	25.00	25.20	28.20	24.20	29.80	27.50	34.00	32.00	38.00
TDS	145.00	588.00	110.00	172.00	94.00	137.00	111.00	110.00	120.00
Hardness	23.00	63.07	61.60	64.8 E	56.50	55.90	51.00	57.00	60.00

Leachate Indicators (mg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.600	0.700	ND(0.200)	ND(0.200)
Bicarbonate	24.00	29.00	22.00	28.00	26.00	36.00	26.00	29.00	29.00
Chloride	47.00	44.00	56.00	45.00	58.00	53.00	55.00	52.00	65.00
Nitrate	ND(0.50)	1.60	2.00	1.20	3.30	2.50	2.20	2.44	2.31
Sulfate	21.00	22.00	21.00	20.00	22.00	24.00	4.30	23.00	23.00
Alkalinity	24.00	29.00	22.00	28.00	26.00	36.00	26.00	29.00	29.00
TDS	140.00	120.00	200.00	140.00	175.00	174.00	198.00	157.00	180.00
Hardness	75.00	37.00	57.00	60.00	61.00	67.00	70.00	61.00	81.00

SW-1 (continued)

Leachate Indicators (mg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Ammonia	0.230	ND(0.200)	0.200	0.074	0.160	0.080	0.090	0.11	0.11
Bicarbonate	34.00	33.00	34.00	32.70	38.00	33.70	67.40	26.49	35.50
Chloride	53.00	51.00	49.00	49.20	48.00	55.00	47.00	66.00	61.00
Nitrate	2.36	2.12	2.73	2.30	3.00	2.80	4.30	3.80	2.60
Sulfate	22.00	23.00	20.00	19.20	20.00	20.00	17.00	21.00	21.00
Alkalinity	34.00	33.00	34.00	32.70	38.00	33.70	67.40	26.49	35.50
TDS	150.00	160.00	190.00	195.00	160.00	170.00	200.00	200.00	210.00
Hardness	67.20	56.20	75.80	70.90	74.60	65.80	58.90	76.50	73.30

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.6 J	2.7 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	2.0 J	0.9 J	2.3 J	130.0 J	ND(5.00)	ND(5.00)	1.1 J	1.7 J	0.88 J
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Leachate Indicators (mg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Ammonia	1.400	ND(0.050)	0.130	ND(0.200)	0.150	ND(0.200)	ND(0.200)	0.230	ND(0.200)
Bicarbonate		41.10	44.50	41.80	49.00	44.00	44.00	23.00	50.00
Chloride	47.90	48.50	15.10	41.10	42.40	62.60	40.80	44.00	46.00
Nitrate	1.26	1.84	1.12	1.40	1.20	1.67	0.279	1.20	1.20
Sulfate	30.00	25.00	25.50	31.50	30.80	27.80	28.00	22.00	30.00
Alkalinity	37.00	41.10	44.50	41.80	49.00	44.00	43.00	23.00	50.00
TDS	174.00	145.00	128.00	140.00	156.00	207.00	129.00	130.00	150.00
Hardness	30.00	92.02	92.80	82.6 E	99.00	93.70	64.00	70.00	89.00

Leachate Indicators (mg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.300	0.300	ND(0.200)	ND(0.200)
Bicarbonate	40.00	49.00	52.00	45.00	44.00	54.00	47.00	52.00	ND(2.00)
Chloride	71.00	56.00	69.00	50.00	80.00	63.00	68.00	61.00	83.00
Nitrate	1.10	1.40	1.80	1.50	1.10	1.70	0.90	1.40	1.47
Sulfate	38.00	37.00	39.00	34.00	30.00	9.80	38.00	39.00	40.00
Alkalinity	40.00	49.00	52.00	45.00	44.00	54.00	47.00	52.00	ND(2.00)
TDS	170.00	180.00	250.00	160.00	246.00	231.00	253.00	168.00	250.00
Hardness	110.00	61.00	110.00	110.00	83.00	107.00	102.00	94.00	121.00

SW-2 (continued)

Leachate Indicators (mg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Ammonia	ND(0.200)	0.221	0.200	0.049	0.110	0.060	0.110	0.09	0.91
Bicarbonate	64.00	62.00	61.00	62.00	76.00	66.20	66.10	60.72	42.80
Chloride	74.00	71.00	69.00	67.70	69.00	88.00	73.00	89.00	110.00
Nitrate	2.09	0.771	1.73	0.64	1.90	1.40	1.20	1.20	0.74
Sulfate	44.00	37.00	37.00	31.80	38.00	36.00	40.00	38.00	28.00
Alkalinity	64.00	62.00	61.00	62.00	76.00	66.20	66.10	60.72	42.80
TDS	240.00	240.00	190.00	251.00	250.00	280.00	250.00	270.00	310.00
Hardness	116.30	97.90	105.20	114.00	126.00	123.00	124.00	125.00	77.40

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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)	2.60 J	2.80 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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.8 J	2.6 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	0.60 J	ND(0.18)	ND(0.18)	0.45 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	0.34 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	0.14 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	2.10 J	ND(0.74)	2.20 J	2.90 J	ND(5.00)	ND(5.00)	1.9 J	2.4 J	2.40 J
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Leachate Indicators (mg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Ammonia	ND(1.000)	ND(0.050)	ND(0.050)	ND(0.200)	0.100	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate		21.00	15.30	17.60	21.30	20.50	20.50	21.00	25.00
Chloride	21.30	20.50	21.10	21.60	25.00	32.40	24.80	35.00	30.00
Nitrate	4.01	3.25	5.25	2.90	3.20	3.34	1.37	3.10	3.40
Sulfate	18.20	16.00	17.40	16.00	18.70	18.60	24.40	20.00	21.00
Alkalinity	17.00	21.00	15.30	17.60	21.30	20.50	19.00	21.00	25.00
TDS	102.00	117.00	90.00	106.00	152.00	113.00	89.00	100.00	100.00
Hardness	19.00	58.82	57.60	64.5 E	59.70	58.20	28.00	43.00	58.00

Leachate Indicators (mg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	1.800	ND(0.200)	ND(0.200)
Bicarbonate	20.00	23.00	23.00	23.00	24.00	21.00	18.00	21.00	23.00
Chloride	35.00	31.00	42.00	32.00	57.00	32.00	33.00	32.00	45.00
Nitrate	3.00	3.10	3.80	3.00	ND(0.50)	3.90	3.80	3.90	3.85
Sulfate	20.00	21.00	21.00	20.00	20.00	20.00	22.00	22.00	23.00
Alkalinity	20.00	23.00	23.00	22.00	24.00	21.00	18.00	21.00	23.00
TDS	150.00	100.00	170.00	110.00	188.00	123.00	166.00	108.00	180.00
Hardness	66.00	34.00	53.00	58.00	67.00	63.00	60.00	56.00	78.00

SW-3 (continued)

Leachate Indicators (mg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Ammonia	ND(0.200)	0.220	0.200	0.019 J	0.049	0.040	0.050	0.06	0.07
Bicarbonate	25.00	26.00	26.00	23.80	38.00	25.90	26.40	27.79	27.20
Chloride	35.00	37.00	38.00	42.00	44.00	45.00	43.00	46.00	46.00
Nitrate	4.14	ND(0.50)	3.80	3.50	3.70	4.20	3.90	4.10	4.30
Sulfate	19.00	20.00	20.00	18.80	22.00	21.00	22.00	22.00	22.00
Alkalinity	25.00	26.00	26.00	23.80	38.00	25.90	26.40	27.79	27.20
TDS	110.00	170.00	170.00	180.00	160.00	150.00	200.00	160.00	190.00
Hardness	59.70	54.50	72.60	68.40	77.20	66.70	70.00	73.50	70.30

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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)	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)	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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.6 J	2.8 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	0.18 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	0.14 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	1.7 J	1.1 J	1.4 J	2.6 J	ND(5.00)	ND(5.00)	1.9 J	0.97 J	1.80 J
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Leachate Indicators (mg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Ammonia	ND(1.000)	ND(0.050)	0.110	ND(0.200)	0.200	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate		34.40	30.20	28.60	25.60	27.50	27.50	32.00	31.00
Chloride	35.40	42.40	34.70	30.30	31.80	39.20	38.90	39.00	40.00
Nitrate	3.73	1.79	3.80	1.60	1.80	1.88	0.652	1.60	1.40
Sulfate	19.10	15.10	18.50	16.00	23.50	18.20	27.10	18.00	22.00
Alkalinity	18.00	34.40	30.20	28.60	25.60	27.50	27.00	32.00	31.00
TDS	131.00	141.00	113.00	74.00	110.00	133.00	109.00	110.00	120.00
Hardness	18.00	65.67	62.50	42.5 E	62.90	57.10	40.50	56.00	67.00

Leachate Indicators (mg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.600	0.900	ND(0.200)	ND(0.200)
Bicarbonate	28.00	31.00	34.00	32.00	32.00	30.00	29.00	31.00	34.00
Chloride	47.00	46.00	62.00	47.00	66.00	56.00	65.00	54.00	110.00
Nitrate	1.60	1.70	2.10	1.10	2.10	2.50	2.30	2.51	2.31
Sulfate	19.00	22.00	22.00	21.00	21.00	24.00	26.00	23.00	23.00
Alkalinity	28.00	31.00	34.00	32.00	32.00	30.00	29.00	31.00	34.00
TDS	100.00	130.00	190.00	150.00	186.00	166.00	212.00	262.00	290.00
Hardness	77.00	38.00	60.00	61.00	63.00	64.00	65.00	64.00	77.00

SW-4 (continued)

Leachate Indicators (mg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Ammonia	0.290	ND(0.200)	0.200	0.054	0.160	0.090	0.110	0.14	0.16
Bicarbonate	39.00	32.00	34.00	33.20	42.00	36.20	35.50	47.59	68.90
Chloride	61.00	53.00	51.00	50.10	49.00	57.00	55.00	66.00	85.00
Nitrate	2.12	2.16	2.70	2.30	3.00	3.00	2.90	2.20	1.50
Sulfate	20.00	26.00	22.00	19.20	21.00	20.00	39.00	25.00	37.00
Alkalinity	39.00	32.00	34.00	33.20	42.00	36.20	35.50	47.59	68.90
TDS	210.00	180.00	260.00	199.00	160.00	180.00	220.00	210.00	300.00
Hardness	75.50	49.90	74.20	69.70	72.90	69.10	73.40	97.30	132.00

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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(1.0)	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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.7 J	2.5 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	0.37 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	0.32 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	0.90 J	ND(5.00)	ND(5.00)	ND(5.00)	1.4 J	1.90 J
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Leachate Indicators (mg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Ammonia	ND(1.000)	ND(0.050)	ND(0.050)	ND(0.200)	ND(0.100)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate		44.70	36.40	37.40	40.50	40.00	40.00	49.00	45.00
Chloride	105.00	**3,500.00**	88.90	95.10	75.20	77.50	81.50	86.00	86.00
Nitrate	4.59	1.86	3.26	ND(0.20)	3.50	3.92	1.43	3.40	3.50
Sulfate	41.80	**482.00**	38.90	32.50	30.80	29.00	65.30	37.00	32.00
Alkalinity	38.00	44.70	36.40	37.40	40.50	40.00	43.00	49.00	45.00
TDS	319.00	71.00	228.00	278.00	254.00	205.00	202.00	220.00	230.00
Hardness	46.00	1,186.07	131.00	112.0 E	125.00	114.00	65.00	130.00	130.00

Leachate Indicators (mg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.300	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate	52.00	39.00	58.00	56.00	51.00	46.00	50.00	44.00	74.00
Chloride	92.00	97.00	89.00	90.00	81.00	94.00	90.00	94.00	110.00
Nitrate	2.90	4.00	3.10	2.20	3.10	3.60	3.60	3.75	2.52
Sulfate	47.00	29.00	42.00	37.00	36.00	32.00	41.00	31.00	47.00
Alkalinity	52.00	39.00	58.00	56.00	50.00	46.00	50.00	44.00	74.00
TDS	200.00	240.00	320.00	240.00	271.00	300.00	343.00	373.00	330.00
Hardness	150.00	74.00	120.00	140.00	100.00	90.00	130.00	97.00	160.00

SW-5 (continued)

Leachate Indicators (mg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Ammonia	ND(0.200)	0.223	0.200	0.150	0.070	0.070	0.160	0.07	0.18
Bicarbonate	59.00	41.00	50.00	62.10	84.00	55.50	81.50	64.23	87.20
Chloride	120.00	64.00	64.00	77.00	100.00	73.00	90.00	86.00	114.00
Nitrate	3.57	1.87	2.09	1.20	2.90	2.20	1.20	1.30	1.96
Sulfate	34.00	32.00	26.00	25.00	34.00	25.00	43.00	87.00	40.00
Alkalinity	59.00	41.00	50.00	62.10	84.00	55.50	81.50	64.23	87.20
TDS	320.00	220.00	240.00	274.00	300.00	220.00	300.00	260.00	360.00
Hardness	132.90	72.90	106.60	111.00	142.00	103.00	132.00	128.00	157.00

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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(1.0)	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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.5 J	2.6 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Leachate Indicators (mg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Ammonia	ND(1.000)	ND(0.050)	ND(0.050)	ND(0.200)	ND(0.100)	ND(0.200)	ND(0.200)	0.220	ND(0.200)
Bicarbonate		35.60	45.50	39.60	55.40	41.00	41.00	33.00	47.00
Chloride	144.00	94.70	42.20	38.90	38.60	98.10	23.00	77.00	29.00
Nitrate	ND(1.00)	1.07	0.31	ND(0.20)	0.49	1.05	ND(0.05)	ND(0.50)	ND(0.50)
Sulfate	14.60	16.90	14.80	14.50	18.70	18.60	15.40	9.20	13.00
Alkalinity	45.00	35.60	45.50	39.60	55.40	41.00	29.00	33.00	47.00
TDS	363.00	239.00	130.00	104.00	162.00	252.00	75.00	150.00	100.00
Hardness	40.00	71.02	65.30	65.8 E	76.10	65.70	44.00	49.00	57.00

Leachate Indicators (mg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.400	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate	39.00	44.00	37.00	13.00	34.00	44.00	42.00	48.00	42.00
Chloride	150.00	44.00	65.00	14.00	520.00	82.00	100.00	67.00	190.00
Nitrate	ND(0.50)	1.60	ND(0.50)	ND(0.50)	ND(0.50)	0.80	ND(0.50)	0.974	0.844
Sulfate	19.00	16.00	16.00	25.00	26.00	11.00	17.00	17.00	22.00
Alkalinity	39.00	44.00	37.00	13.00	34.00	44.00	42.00	48.00	42.00
TDS	220.00	130.00	180.00	64.00	903.00	401.00	280.00	350.00	410.00
Hardness	85.00	34.00	50.00	33.00	76.00	63.00	59.00	61.00	80.00

SW-6 (continued)

Leachate Indicators (mg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Ammonia	ND(0.200)	0.219	0.500	0.098	0.320	0.070	0.150	0.19	0.42
Bicarbonate	45.00	58.00	55.00	57.30	67.00	55.90	59.30	48.20	58.90
Chloride	60.00	94.00	74.00	73.70	63.00	130.00	83.00	140.00	93.00
Nitrate	ND(0.50)	ND(0.50)	1.18	0.57	2.00	0.72	0.45	0.55	0.65
Sulfate	24.00	23.00	18.00	17.60	21.00	20.00	27.00	22.00	17.00
Alkalinity	45.00	58.00	55.00	57.30	67.00	55.90	59.30	48.20	58.90
TDS	190.00	13,000.00	230.00	218.00	180.00	290.00	240.00	320.00	240.00
Hardness	80.60	63.00	83.50	78.30	75.50	81.40	76.20	84.60	80.10

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
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	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
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(1.30)
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(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	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(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
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(1.0)	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	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.5 J	2.7 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.35)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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

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

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

Leachate Indicators (mg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Ammonia	ND(1.000)	ND(0.050)	0.070	ND(0.200)	ND(0.100)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate		48.40	66.00	50.60	61.80	48.00	48.00	45.00	55.00
Chloride	**4,316.00**	**4,470.00**	**2,750.00**	**3,810.00**	**3,620.00**	**3,080.00**	**5,835.00**	**1,500.00**	**3,300.00**
Nitrate	5.00	0.62	0.32	0.44	0.30	0.67	ND(0.05)	ND(0.50)	ND(0.50)
Sulfate	**705.00**	**808.00**	248.00	**530.00**	**447.00**	**416.00**	**953.00**	28.00	**270.00**
Alkalinity	56.00	48.40	66.00	50.60	61.80	48.00	61.00	45.00	55.00
TDS	8,840.00	3,260.00	5,890.00	226.00	274.00	5,450.00	8,860.00	2,400.00	5,300.00
Hardness	341.00	1,435.54	1,848.00	1,200.0 E	1,050.00	934.00	92.00	510.00	1,200.00

Leachate Indicators (mg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Ammonia	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	0.400	**2.800**	ND(0.200)	0.329
Bicarbonate	44.00	54.00	53.00	51.00	44.00	55.00	46.00	43.00	48.00
Chloride	**1,800.00**	**2,600.00**	**2,500.00**	**3,600.00**	**1,100.00**	**3,900.00**	**1,500.00**	**1,300.00**	**2,400.00**
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.80	ND(0.50)	ND(0.50)	1.15	0.654
Sulfate	240.00	**370.00**	**270.00**	**310.00**	180.00	**750.00**	**440.00**	**190.00**	**380.00**
Alkalinity	44.00	54.00	53.00	52.00	44.00	56.00	46.00	43.00	48.00
TDS	2,700.00	3,600.00	4,600.00	6,800.00	2,108.00	8,213.00	6,010.00	2,393.00	4,300.00
Hardness	530.00	140.00	730.00	1,200.00	320.00	668.00	209.00	390.00	667.00

SW-7 (continued)

Leachate Indicators (mg/l)	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Ammonia	ND(0.200)	0.635	ND(0.200)	0.097	0.130	0.090	0.130	0.18	0.17
Bicarbonate	65.00	26.00	60.00	53.20	76.00	65.70	61.30	51.21	52.30
Chloride	**2,600.00**	**2,500.00**	**1,400.00**	**1,460.00**	**4,500.00**	**3,000.00**	**2,300.00**	**2300.00**	**620.00**
Nitrate	ND(0.50)	ND(0.50)	0.71	0.44	0.94	0.36	0.44	1.40	0.51
Sulfate	**350.00**	**370.00**	220.00	199.00	**390.00**	**380.00**	**420.00**	**330.00**	86.00
Alkalinity	35.00	26.00	60.00	53.20	76.00	65.70	61.30	51.21	52.30
TDS	2,600.00	5,100.00	2,800.00	2,800.00	7,100.00	4,900.00	5,400.00	4200.00	1100.00
Hardness	778.10	691.90	608.10	478.00	1,470.00	806.00	996.00	789.00	222.00

Note:

ND( ): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

APPENDIX 1

"Sample Data Summary Package"

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH
NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

Client: R&C Formation, LTD
Project: EAST NORTHPORT GROUND WATER
Laboratory Project: GAS25793

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH
NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

Client: R&C FORM
Project: EAST NORTHPORT SURFACE WATER
Laboratory Project: GAS26717

Organic Data Flags

MDL: Method Detection Limit
The minimum reportable concentration that can be measured with 99% confidence, as defined in 40CFR part 136 (Appendix B).

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

- Q Qualifiers:

U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J - The value is estimated. This flag is used
a) on form 1 when the compound is reported above the MDL, but below the PQL, and
b) on the Tentatively Identified Compound (TIC) form for all compounds identified

JL- The value is estimated. This flag is used on the form 1 when a compound is evaluated to the requested criteria. This value may be below the MDL.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.

S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

B - This compound was also present in the method blank

D - The reported concentration is the result of a diluted analysis.

E - The reported value is estimated because the concentration exceeded the calibration range.

A - Indicates that the tentatively identified compound is a suspected aldol condensation product.

Inorganic Data Flags

- C (Concentration) Qualifiers:
  - B – The reported value was obtained from a reading that was less than the Reporting Level (RL) but greater than or equal to the Instrument Detection Limit (IDL)
  - U – The analyte was analyzed for but not detected at or above the IDL

- Q Qualifiers:
  - E - The reported value is estimated because of the presence of interference. An explanatory note shall be included in the project narrative (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
  - M- Duplicate injection precision not met.
  - N - Spiked sample recovery not within control limits.
  - S - The reported value was determined by the Method of Standard Additions (MSA).
  - W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
  - * - Duplicate analysis not within control limits.
  - + - Correlation coefficient for the MSA is less than 0.995.

- M (Method) Qualifiers:
  - "P" - ICP
  - "A" - Flame AA
  - "F" - Furnace AA
  - "PM" - ICP when Microwave Digestion is used
  - "AM" - Flame AA when Microwave Digestion is used
  - "FM" - Furnace AA when Microwave Digestion is used
  - "CV" - Manual Cold Vapor AA
  - "AV" - Automated Cold Vapor AA
  - "CA" - Midi-Distillation Spectrophotometric
  - "AS" - Semi-Automated Spectrophotometric
  - "C" - Manual Spectrophotometric
  - "T" - Titrimetric
  - "G" - Gravimetric
  - "TC" - Total Organic Carbon Analyzer
  - "TX" - Total Organic Halide Analyzer
  - "TB" - Turbidimeter
  - "IC" - Ion Chromatograph
  - "CL"- Calculation
  - "M"- Meter
  - "V"- Visual
  - " " - where no data have been entered
  - "NR" - the analyte is not required to be analyzed

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

October 14, 2009 **SDG I.D.: GAS25793**

EAST NORTHPORT GROUND WATER R&C Formation, LTD

Conformance / Non-Conformance Summary

Volatile Organic Compounds:

Form 2: All surrogate recoveries met method criteria.

Form3: Lab Control Sample/Lab Control Sample Duplicate (LCS/LCSD) and Matrix Spike/Matrix Spike Duplicate (MS/MSD): Criteria: 90% of compounds are within 70-130% for LCS/LCSD.
All QC associated with this sample set met method criteria. Compounds with spike recoveries and/or RPDs outside method control limits are flagged with an asterisk.

Form 5: BFB Tunes met method criteria. All samples were analyzed within 12 hours from their injection.

Form 6: The initial calibration met SW-846/8260 criteria for all system monitoring compounds (CCC and SPCC). The minimum RRF for 2-Chloroethyl vinyl ether was not met for all points, but the average was achieved. Method 8260 provides SPCC, CCC and minimum response factor criteria only for a 5mL purge. This sample set was analyzed by 25mL purge in order to achieve lower reporting levels. The minimum response factor criteria listed on form 7 is used only as a guide.

Form 7: The continuing calibration met SW-846/8260 criteria for all system monitoring compounds (CCC and SPCC).

Form 8: All internal standard areas and retention times met method criteria.

Observations:
The client requested the 624 compound list for this sample set. The laboratory analyzed this sample set purging 25mLs rather than the standard 5mLs in order to achieve lower reporting limits. Method 8260 was used as a guideline for this analysis. Method 8260 provides SPCC, CCC and minimum RRF criteria for a 5mL purge only.

No other observations are noted.

Johanna Harrington
Project Manager

Date 10/15/2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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ACCREDITED IN ACCORDANCE WITH
NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

October 23, 2009 **SDG I.D.: GAS25793**

EAST NORTHPORT GROUND WATER R&C Formation, LTD

Conformance / Non-Conformance Summary

Inorganic Package

Form 1 (Analytical Results Summary):

Form 2A&B (Calibration Standard Summary) met criteria.

Form 3 (Instrument and Preparation Blank Summary): The arsenic concentrations are elevated above the RL in certain instrument blanks. A sample bias is not suspected because the concentration of arsenic in the samples were either below the RL or more than 5x greater than those found in the instrument blanks. The iron concentration is elevated above the RL in the method blank. A sample bias is not suspected because the concentration of iron in the samples were more than 5x greater than that found in the method blank.

Form 4 (ICP Interference Check Sample) met criteria.

Form 5 (Spike Summary) met criteria. Due to high concentrations of calcium, magnesium and sodium in the QC sample, a recovery could not be calculated for the MS/MSD.
Note that the laboratory performs a MS and MSD; only the MS is reported on Form 5.

Form 6 (Duplicate Summary) met criteria

Form 7 (Laboratory Control Sample) met criteria.
Note that the laboratory performs a LCS and LCSD; only the LCS is reported on Form 7.

Form 9 (ICP Serial Dilution) met criteria.

Other observations: Note that on all forms, wet lab tests (non-metals) are reported in mg/L values.

10/23/09

Jonathon Carlson Date
Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

October 14, 2009 **SDG I.D.: GAS26717**

EAST NORTHPORT SURFACE WATER

Conformance / Non-Conformance Summary

Volatile Organic Compounds:

Form 2: All surrogate recoveries met method criteria.

Form3: Lab Control Sample/Lab Control Sample Duplicate (LCS/LCSD) and Matrix Spike/Matrix Spike Duplicate (MS/MSD): Criteria: 90% of compounds are within 70-130% for LCS/LCSD.
All QC associated with this sample set met method criteria. Compounds with spike recoveries and/or RPDs outside method control limits are flagged with an asterisk.

Form 5: BFB Tunes met method criteria. All samples were analyzed within 12 hours from their injection.

Form 6: The initial calibration met SW-846/8260 criteria for all system monitoring compounds (CCC and SPCC). The minimum RRF for 2-Chloroethyl vinyl ether was not met for all points, but the average was achieved. Method 8260 provides SPCC, CCC and minimum response factor criteria only for a 5mL purge. This sample set was analyzed by 25mL purge in order to achieve lower reporting levels. The minimum response factor criteria listed on form 7 is used only as a guide.

Form 7: The continuing calibration met SW-846/8260 criteria for all system monitoring compounds (CCC and SPCC). The minimum RRF (0.05) was not achieved for 2-Chloroethyl vinyl ether (see form 6 comment).

Form 8: All internal standard areas and retention times met method criteria.

Observations:
The client requested the 624 compound list for this sample set. The laboratory analyzed this sample set purging 25mLs rather than the standard 5mLs in order to achieve lower reporting limits. Method 8260 was used as a guideline for this analysis. Method 8260 provides SPCC, CCC and minimum RRF criteria for a 5mL purge only.

No other observations are noted.

Johanna Harrington
Project Manager

Date 10/15/2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

October 20, 2009 **SDG I.D.: GAS26717**

EAST NORTHPORT SURFACE WATER

Conformance / Non-Conformance Summary

Inorganic Package

Form 1 (Analytical Results Summary):

Form 2A&B (Calibration Standard Summary) met criteria.

Form 3 (Instrument and Preparation Blank Summary) : Calcium concentration is elevated in some continuing calibration blanks. A sample bias is not suspected because the instrument blanks bracketing the samples were within criteria.

Form 4 (ICP Interference Check Sample) met criteria.

Form 5 (Spike Summary) : met criteria.
Note that the laboratory performs a MS and MSD; only the MS is reported on Form 5.

Form 6 (Duplicate Summary) met criteria

Form 7 (Laboratory Control Sample) met criteria.
Note that the laboratory performs a LCS and LCSD; only the LCS is reported on Form 7.

Form 9 (ICP Serial Dilution) : Spectral Interference was observed for Calcium and Magnesium.

Form 13 (Preparation Log):

Other observations:

Rashmi Makol 10/20/09
Rashmi Makol Date
Project Manager

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4° Pg 2 of 2

Data Delivery:
- [ ] Fax #:
- [ ] Email:

Customer: Atc Formation LTD
Address: 705 Bedford Ave Suite 2D
Bellmore NY 11710

Project: East North port - ground water
Report to: Bob Carlson
Invoice to: —

Project P.O:
Phone #: 516-797-7330
Fax #: 516-797-7330

Client Sample - Information - Identification

Sampler's Signature: [signature] Date 9/17/09

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SL=sludge A=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOA Epa 624	Metals *	Leachate Inc **	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [✓] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [✓] 250ml [ ] 500ml [ ] 1000ml [✓] 500ml	PL H2SO4 [✓] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
25804	GW-Dup	GW	9/16/09	0000	✓	✓	✓				2		2	1	1		
25805	FBQ-16		9/16/09	1030	✓						1						
25806	TB-GW		9/16/09	—	✓						1						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	9-17-09	12:55
[signature]	Monica Rice	9-17-09	18:30

Comments, Special Requirements or Regulations:
* Al, As, Mg, Cr, Cd, Ca, Fe, Hg, K, Na, Pb,
** Alk, Bicarb, Ammonia, Nitrate, Chloride, TDS, Hardness, Sulfate

Turnaround:
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [ ] Standard
- [ ] Other

* SURCHARGE APPLIES

CT/RI
- [ ] RCP Cert.
- [ ] GW Protect.
- [ ] GA Mobility
- [ ] GB Mobility
- [ ] SW Protect.
- [ ] Res. Vol.
- [ ] Ind. Vol.
- [ ] Res. Criteria
- [ ] Other

MA
- [ ] MCP Cert.
- [ ] GW-1
- [ ] GW-2
- [ ] GW-3
- [ ] S-1
- [ ] S-2
- [ ] S-3
- [ ] MWRA eSMART
- [ ] Other

State where samples were collected: NY

Data Format
- [ ] Excel
- [ ] PDF
- [ ] GIS/Key
- [ ] EQuIS
- [ ] Other

Data Package
- [ ] ASP-A
- [ ] NJ Reduced Deliv. *
- [ ] NJ Hazsite EDD
- [ ] Phoenix Std Report
- [✓] Other NY enhanced (ASP B)

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4° Pg 1 of 2

Data Delivery:
☐ Fax #:
☐ Email:

Customer: B+C Formation LTD
Address: 705 Bedford Ave Suite 2B
Bellmore NY 11710

Project: East Northport - Ground Water
Report to: Bob Carson
Invoice to: —

Project P.O:
Phone #: (516) 797-7330
Fax #: (516) 797-7339

Client Sample - Information - Identification

Sampler's Signature: [signature] Date 9/17/09

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SL=sludge A=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOA EPA 624	Metals *	Leachate Ind **	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [✓] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [✓] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [✓] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
25793	CW1-S	GW	9/16/09	1337	✓	✓	✓				2		2	1	1		
25794	CW1-M			1316	✓	✓	✓										
25795	CW2-M			1037	✓	✓	✓										
25796	CW4-S			1135	✓	✓	✓										
25797	CW4-M			1113	✓	✓	✓										
25798	EN1-M			1229	✓	✓	✓										
25799	EN6-S			1514	✓	✓	✓										
25800	EN6-M			1531	✓	✓	✓										
25801	EN7-M			1437	✓	✓	✓										
	EN7-M (MS)(MSD)			1437	✓	✓	✓										
25802	EN9-M		9/17/09	0858	✓	✓	✓										
25803	EN10-M			0941	✓	✓	✓										

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	9-17-09	12:55
[signature]	[signature]	9-17-09	18:30

Comments, Special Requirements or Regulations:
* Al, As, Mg, Cr, Cd, Ca, Fe, Hg, K, Na, Pb
** Alk, Bicarb, Ammonia, Nitrate, Chloride, TDS, Hardness, Sulfate

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other

* SURCHARGE APPLIES

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☑ Other NY Enhanced (ASP B)*

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 Pg 1 of 1

Data Delivery:
☐ Fax #:
☐ Email:

Customer: Rtc Formation LTD
Address: 705 Bedford Ave Suite 2B

Project: East North Port - Surface Water
Report to: Bob Casson
Invoice to: Bob Casson

Project P.O:
Phone #: (516) 797-7550
Fax #: (516) 797-7559

Client Sample - Information - Identification

Sampler's Signature: [signature] Date 9/21/09

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SL=sludge A=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOC (EPA 624)	Carbonate Initiatus *	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [✓] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [✓] 250ml [ ] 500ml [ ] 1000ml [✓] 150	PL H2SO4 [✓] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
26717	SW-1	GW	9/21/09		✓	✓				2		2	1			
26718	SW-2				✓	✓										
	SW-2 (MS/MSD)				✓	✓										
26719	SW-3				✓	✓										
26720	SW-4				✓	✓										
26721	SW-5				✓	✓										
26722	SW-6				✓	✓										
26723	SW-7				✓	✓										
26724	TB-SW				✓											
26725	SW-Dup	GW	9/21/09	0000	✓	✓						2	1			

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	9-21-09	1314
[signature]	[signature]	9-21-09	1630

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other

* SURCHARGE APPLIES

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☑ Other
NY enhanced (ASP-B)

State where samples were collected: NY

Comments, Special Requirements or Regulations:
* Alkalinity / Bicarbonate, Ammonia, Nitrate, Chloride
TDS, hardness, Sulfate

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CW1-S

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25793

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S30.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	2.2	J	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	1.4	J	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id: CW1-S

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25793

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.0413			P
7440-38-2	Arsenic	0.0405			P
7440-70-2	Calcium	15.4			P
7440-43-9	Cadmium	0.001	U		P
7440-47-3	Chromium	0.0018			P
7439-89-6	Iron	5.18			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	52.2			P
7439-95-4	Magnesium	13.7			P
7440-23-5	Sodium	70.6			P
7439-92-1	Lead	0.002	U		P
	Alkalinity	454			T
	Bicarbonate Alk.	454			T
7782-50-5	Chloride	50			IC
	Ammonia	71			AS
	Nitrate	0.65			IC
	Sulfate	12			IC
	TDS	400			G
	Hardness	94.9			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: CW1-M

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25794

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S19.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/21/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

INORGANIC ANALYSIS DATA SHEET

Client Id: CW1-M

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25794

Level (low/med): _____ Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.044			P
7440-38-2	Arsenic	0.0303			P
7440-70-2	Calcium	16.6			P
7440-43-9	Cadmium	0.001	U		P
7440-47-3	Chromium	0.0008	B		P
7439-89-6	Iron	22.9			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	20.3			P
7439-95-4	Magnesium	8.05			P
7440-23-5	Sodium	27.8			P
7439-92-1	Lead	0.002	U		P
	Alkalinity	170			T
	Bicarbonate Alk.	170			T
7782-50-5	Chloride	21			IC
	Ammonia	21			AS
	Nitrate	0.11			IC
	Sulfate	34			IC
	TDS	180			G
	Hardness	74.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

CW2-M

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25795

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S20.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/21/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id: CW2-M

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25795

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.0174			P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	13.1			P
7440-43-9	Cadmium	0.0003	B		P
7440-47-3	Chromium	0.0003	B		P
7439-89-6	Iron	0.0831			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	4.98			P
7439-95-4	Magnesium	4.66			P
7440-23-5	Sodium	17.2			P
7439-92-1	Lead	0.0012	B		P
	Alkalinity	31.6			T
	Bicarbonate Alk.	31.6			T
7782-50-5	Chloride	28			IC
	Ammonia	0.08			AS
	Nitrate	1.8			IC
	Sulfate	25			IC
	TDS	140			G
	Hardness	51.9			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CW4-S

Client:	R&CFORM	Lab:	Phoenix Env. Labs
SDG No.:	GAS25793	Lab Sample ID:	AS25796
Sample wt/vol:	25 (g/mL) mL	Lab File ID:	0921S21.D
Level: (low/med/meth):	Low	Date Received:	09/17/09
% Moisture:	n.a.	Date Analyzed:	09/21/09
Instrument:	CHEM08 Column: rtx-vms	Dilution Factor:	1
Purge Volume	25000 (uL) pH: < 2	Soil Aliquot Vol:	n.a. (uL)
Matrix: (soil/water)	WATER	CONCENTRATION UNITS: (ug/L or ug/Kg)	ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id

CW4-S

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25796

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.175			P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	18.5			P
7440-43-9	Cadmium	0.0069			P
7440-47-3	Chromium	0.0033			P
7439-89-6	Iron	0.825			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	7.37			P
7439-95-4	Magnesium	6.78			P
7440-23-5	Sodium	11.9			P
7439-92-1	Lead	0.005			P
	Alkalinity	55.2			T
	Bicarbonate Alk.	55.2			T
7782-50-5	Chloride	21			IC
	Ammonia	0.09			AS
	Nitrate	2.6			IC
	Sulfate	15			IC
	TDS	150			G
	Hardness	74.1			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

CW4-M

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25797

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S22.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id: CW4-M

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25797

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.010	U		P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	24.8			P
7440-43-9	Cadmium	0.001	U		P
7440-47-3	Chromium	0.0023			P
7439-89-6	Iron	0.0986			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	1.46			P
7439-95-4	Magnesium	9.7			P
7440-23-5	Sodium	13.2			P
7439-92-1	Lead	0.002	U		P
	Alkalinity	36.8			T
	Bicarbonate Alk.	36.8			T
7782-50-5	Chloride	22			IC
	Ammonia	0.03			AS
	Nitrate	6.8			IC
	Sulfate	35			IC
	TDS	200			G
	Hardness	102			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: EN1-M

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25798

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S23.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	1	J	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	1.6	J	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	0.93	J	0.59	5
71-55-6	1,1,1-Trichloroethane	1.8	J	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	0.7	J	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id: EN1-M

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25798

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.0118			P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	23.2			P
7440-43-9	Cadmium	0.0004	B		P
7440-47-3	Chromium	0.0037			P
7439-89-6	Iron	0.151			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	1.46			P
7439-95-4	Magnesium	8.59			P
7440-23-5	Sodium	19.4			P
7439-92-1	Lead	0.002	U		P
	Alkalinity	29.6			T
	Bicarbonate Alk.	29.6			T
7782-50-5	Chloride	26			IC
	Ammonia	0.21			AS
	Nitrate	10			IC
	Sulfate	36			IC
	TDS	210			G
	Hardness	93.3			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

EN6-S

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25799

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S24.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

INORGANIC ANALYSIS DATA SHEET

Client Id: EN6-S

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25799

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.0442			P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	14.3			P
7440-43-9	Cadmium	0.001	U		P
7440-47-3	Chromium	0.0099			P
7439-89-6	Iron	0.179			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	2.11			P
7439-95-4	Magnesium	6.4			P
7440-23-5	Sodium	28.8			P
7439-92-1	Lead	0.002	U		P
	Alkalinity	20	U		T
	Bicarbonate Alk.	20	U		T
7782-50-5	Chloride	54			IC
	Ammonia	0.04			AS
	Nitrate	6.4			IC
	Sulfate	24			IC
	TDS	200			G
	Hardness	62.1			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

EN6-M

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25800

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S25.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	0.86	J	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id

EN6-M

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25800

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.010	U		P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	34.9			P
7440-43-9	Cadmium	0.0004	B		P
7440-47-3	Chromium	0.0008	B		P
7439-89-6	Iron	0.115			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	2.47			P
7439-95-4	Magnesium	8.08			P
7440-23-5	Sodium	26.4			P
7439-92-1	Lead	0.002	U		P
	Alkalinity	65.5			T
	Bicarbonate Alk.	65.5			T
7782-50-5	Chloride	42			IC
	Ammonia	0.03			AS
	Nitrate	9.3			IC
	Sulfate	28			IC
	TDS	250			G
	Hardness	120			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

EN7-M

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25801

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S29.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5.7		0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	0.5	J	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	6		0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	1.3	J	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	2.6	J	0.72	5
95-50-1	1,2-Dichlorobenzene	0.76	J	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id

EN7-M

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25801

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.264			P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	123			P
7440-43-9	Cadmium	0.001	U		P
7440-47-3	Chromium	0.0022			P
7439-89-6	Iron	0.513			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	5.96			P
7439-95-4	Magnesium	49.1			P
7440-23-5	Sodium	187			P
7439-92-1	Lead	0.002	U		P
	Alkalinity	525			T
	Bicarbonate Alk.	525			T
7782-50-5	Chloride	240			IC
	Ammonia	0.22			AS
	Nitrate	0.05	U		IC
	Sulfate	100			IC
	TDS	1100			G
	Hardness	509			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: EN9-M

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25802

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S26.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

INORGANIC ANALYSIS DATA SHEET

Client Id: EN9-M

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25802

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.0498			P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	31.1			P
7440-43-9	Cadmium	0.001	U		P
7440-47-3	Chromium	0.0015			P
7439-89-6	Iron	0.112			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	2.65			P
7439-95-4	Magnesium	13.6			P
7440-23-5	Sodium	55.3			P
7439-92-1	Lead	0.002	U		P
	Alkalinity	34.2			T
	Bicarbonate Alk.	34.2			T
7782-50-5	Chloride	140			IC
	Ammonia	0.07			AS
	Nitrate	0.78			IC
	Sulfate	16			IC
	TDS	410			G
	Hardness	134			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

EN10-M

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25803

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S27.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

INORGANIC ANALYSIS DATA SHEET

Client Id: EN10-M

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25803

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.617			P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	1.39			P
7440-43-9	Cadmium	0.001	U		P
7440-47-3	Chromium	0.0078			P
7439-89-6	Iron	1.61			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	2.71			P
7439-95-4	Magnesium	0.455			P
7440-23-5	Sodium	0.769			P
7439-92-1	Lead	0.0154			P
	Alkalinity	20	U		T
	Bicarbonate Alk.	20	U		T
7782-50-5	Chloride	3.0	U		IC
	Ammonia	0.31			AS
	Nitrate	0.05	U		IC
	Sulfate	3.0	U		IC
	TDS	27			G
	Hardness	5.37			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: GW-DUP

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25804

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S28.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5.6		0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	0.46	J	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	6		0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	1.3	J	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	2.5	J	0.72	5
95-50-1	1,2-Dichlorobenzene	0.69	J	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id

GW-DUP

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS25793

Matrix (soil/water): WATER Lab Sample ID: AS25804

Level (low/med): Date Received: 09/17/09

% Solids: N/A

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	0.115			P
7440-38-2	Arsenic	0.004	U		P
7440-70-2	Calcium	108			P
7440-43-9	Cadmium	0.001	U		P
7440-47-3	Chromium	0.003			P
7439-89-6	Iron	0.717			P
7439-97-6	Mercury	0.0002	U		AV
7440-09-7	Potassium	5.92			P
7439-95-4	Magnesium	43.3			P
7440-23-5	Sodium	173			P
7439-92-1	Lead	0.0016	B		P
	Alkalinity	448			T
	Bicarbonate Alk.	448			T
7782-50-5	Chloride	220			IC
	Ammonia	0.39			AS
	Nitrate	0.05	U		IC
	Sulfate	110			IC
	TDS	930			G
	Hardness	448			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FB9-16

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25805

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S18.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/21/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	2.9	JS	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	0.61	J	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	3.8	J	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-GW

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS25793 Lab Sample ID: AS25806

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S17.D

Level: (low/med/meth): Low Date Received: 09/17/09

% Moisture: n.a. Date Analyzed: 09/21/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: SW-1

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS26717 Lab Sample ID: AS26717

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S48.D

Level: (low/med/meth): Low Date Received: 09/21/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	2.4	J	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id: SW-1

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS26717

Matrix (soil/water): WATER Lab Sample ID: AS26717

Level (low/med): Date Received: 09/21/09

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	16.9			P
7439-95-4	Magnesium	7.56			P
	Alkalinity	35.5			T
	Bicarb Alkalinity	35.5			T
	Chloride	61			IC
	Nitrite	0.01	U		IC
	Nitrate	2.6			IC
	Sulfate	21			IC
	Ammonia	0.11			AS
	Tot.Diss.Solids	210			G
	Hardness	73.3			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-2

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS26717 Lab Sample ID: AS26718

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S49.D

Level: (low/med/meth): Low Date Received: 09/21/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	0.88	J	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id: SW-2

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS26717

Matrix (soil/water): WATER Lab Sample ID: AS26718

Level (low/med): Date Received: 09/21/09

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	19.6			P
7439-95-4	Magnesium	6.9			P
	Alkalinity	42.8			T
	Bicarb Alkalinity	42.8			T
	Chloride	110			IC
	Nitrite	0.01	U		IC
	Nitrate	0.74			IC
	Sulfate	28			IC
	Ammonia	0.91			AS
	Tot.Diss.Solids	310			G
	Hardness	77.4			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-3

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS26717 Lab Sample ID: AS26719

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S50.D

Level: (low/med/meth): Low Date Received: 09/21/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	2.4	J	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id: SW-3

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS26717

Matrix (soil/water): WATER Lab Sample ID: AS26719

Level (low/med): Date Received: 09/21/09

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	15.5			P
7439-95-4	Magnesium	7.67			P
	Alkalinity	27.2			T
	Bicarb Alkalinity	27.2			T
	Chloride	46			IC
	Nitrite	0.01	U		IC
	Nitrate	4.3			IC
	Sulfate	22			IC
	Ammonia	0.07			AS
	Tot.Diss.Solids	190			G
	Hardness	70.3			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: SW-4

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS26717 Lab Sample ID: AS26720

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S51.D

Level: (low/med/meth): Low Date Received: 09/21/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	1.8	J	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id: SW-4

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GAS26717

Matrix (soil/water): WATER Lab Sample ID: AS26720

Level (low/med): _____ Date Received: 09/21/09

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	29.6			P
7439-95-4	Magnesium	14			P
	Alkalinity	68.9			T
	Bicarb Alkalinity	68.9			T
	Chloride	85			IC
	Nitrite	0.01	U		IC
	Nitrate	1.5			IC
	Sulfate	37			IC
	Ammonia	0.16			AS
	Tot.Diss.Solids	300			G
	Hardness	132			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-5

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS26717 Lab Sample ID: AS26721

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S52.D

Level: (low/med/meth): Low Date Received: 09/21/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	1.4	J	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	1.9	J	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

INORGANIC ANALYSIS DATA SHEET

Client Id: SW-5

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS26717

Matrix (soil/water): WATER Lab Sample ID: AS26721

Level (low/med): Date Received: 09/21/09

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	35.8			P
7439-95-4	Magnesium	16.5			P
	Alkalinity	87.2			T
	Bicarb Alkalinity	87.2			T
	Chloride	114			IC
	Nitrite	0.01	U		IC
	Nitrate	1.96			IC
	Sulfate	40			IC
	Ammonia	0.18			AS
	Tot.Diss.Solids	360			G
	Hardness	157			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: SW-6

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS26717 Lab Sample ID: AS26722

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S53.D

Level: (low/med/meth): Low Date Received: 09/21/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

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INORGANIC ANALYSIS DATA SHEET

Client Id

SW-6

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS26717

Matrix (soil/water): WATER Lab Sample ID: AS26722

Level (low/med): Date Received: 09/21/09

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	19.3			P
7439-95-4	Magnesium	7.75			P
	Alkalinity	58.9			T
	Bicarb Alkalinity	58.9			T
	Chloride	93			IC
	Nitrite	0.01	U		IC
	Nitrate	0.65			IC
	Sulfate	17			IC
	Ammonia	0.42			AS
	Tot.Diss.Solids	240			G
	Hardness	80.1			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: SW-7

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS26717 Lab Sample ID: AS26723

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S54.D

Level: (low/med/meth): Low Date Received: 09/21/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

INORGANIC ANALYSIS DATA SHEET

Client Id: SW-7

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS26717

Matrix (soil/water): WATER Lab Sample ID: AS26723

Level (low/med): Date Received: 09/21/09

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	23.3			P
7439-95-4	Magnesium	39.8			P
	Alkalinity	52.3			T
	Bicarb Alkalinity	52.3			T
	Chloride	620			IC
	Nitrite	0.05	U		IC
	Nitrate	0.51			IC
	Sulfate	86			IC
	Ammonia	0.17			AS
	Tot.Diss.Solids	1100			G
	Hardness	222			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

SW-DUP

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS26717 Lab Sample ID: AS26725

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S55.D

Level: (low/med/meth): Low Date Received: 09/21/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	1.6	J	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5

1

INORGANIC ANALYSIS DATA SHEET

Client Id: SW-DUP

Lab Name: Phoenix Environmental Labs Client: R&CFORM

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GAS26717

Matrix (soil/water): WATER Lab Sample ID: AS26725

Level (low/med): Date Received: 09/21/09

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): mg/L

CAS No.	Analyte	Concentration	C	Q	M
7440-70-2	Calcium	25.6			P
7439-95-4	Magnesium	11.5			P
	Alkalinity	47.8			T
	Bicarb Alkalinity	47.8			T
	Chloride	104			IC
	Nitrite	0.01	U		IC
	Nitrate	0.72			IC
	Sulfate	51			IC
	Ammonia	0.64			AS
	Tot.Diss.Solids	310			G
	Hardness	111			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID

TB-SW

Client: R&CFORM Lab: Phoenix Env. Labs

SDG No.: GAS26717 Lab Sample ID: AS26724

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0921S47.D

Level: (low/med/meth): Low Date Received: 09/21/09

% Moisture: n.a. Date Analyzed: 09/22/09

Instrument: CHEM08 Column: rtx-vms Dilution Factor: 1

Purge Volume 25000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) WATER CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
74-87-3	Chloromethane	5	U	2.3	5
75-01-4	Vinyl Chloride	5	U	1.9	5
74-83-9	Bromomethane	5	U	2.9	5
75-00-3	Chloroethane	5	U	1.7	5
75-69-4	Trichlorofluoromethane	5	U	0.93	5
75-35-4	1,1-Dichloroethene	5	U	0.80	5
107-02-08	Acrolein	25	U	15	25
75-09-2	Methylene Chloride	5	U	1.2	5
156-60-5	Trans-1,2-Dichloroethene	5	U	1.3	5
75-34-3	1,1-Dichloroethane	5	U	1.3	5
156-59-2	Cis-1,2-Dichloroethene	5	U	0.98	5
67-66-3	Chloroform	5	U	0.59	5
71-55-6	1,1,1-Trichloroethane	5	U	1.2	5
1634-04-4	Methyl t-butyl ether (MTBE)	10	U	1.2	10
56-23-5	Carbon Tetrachloride	5	U	1.3	5
71-43-2	Benzene	5	U	0.46	5
107-06-2	1,2-Dichloroethane	5	U	0.64	5
79-01-6	Trichloroethene	5	U	0.43	5
78-87-5	1,2-dichloropropane	5	U	0.83	5
110-75-8	2-Chloroethyl vinyl ether	25	U	25	25
75-27-4	Bromodichloromethane	5	U	0.73	5
542-75-6	cis-1,3-Dichloropropene	5	U	0.67	5
108-88-3	Toluene	5	U	0.85	5
10061-02-6	trans-1,3-Dichloropropene	5	U	1.1	5
79-00-5	1,1,2-Trichloroethane	5	U	0.99	5
127-18-4	Tetrachloroethene	5	U	0.65	5
124-48-1	Dibromochloromethane	5	U	0.75	5
108-90-7	Chlorobenzene	5	U	0.41	5
100-41-4	Ethylbenzene	5	U	0.56	5
1330-20-7	m&p-Xylenes	5	U	0.87	5
95-47-6	o-xylene	5	U	1.0	5
75-25-2	Bromoform	5	U	0.76	5
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.60	5
541-73-1	1,3-Dichlorobenzene	5	U	0.51	5
106-46-7	1,4-Dichlorobenzene	5	U	0.72	5
95-50-1	1,2-Dichlorobenzene	5	U	0.53	5