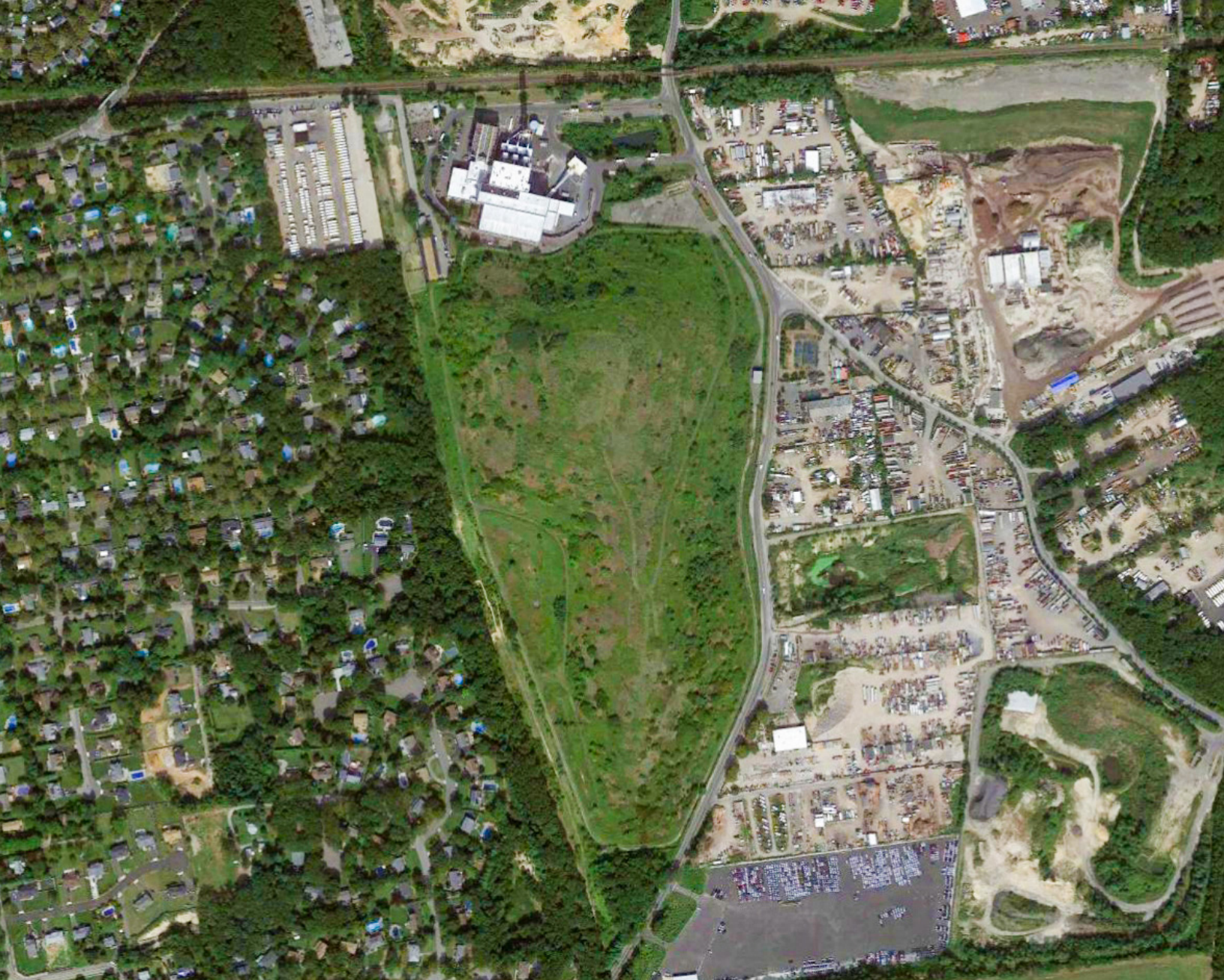




**TOWN OF HUNTINGTON - EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING REPORT
SECOND SEMI-ANNUAL REPORT 2022**



**D&B ENGINEERS
AND ARCHITECTS**

FEBRUARY 2023

GROUNDWATER AND SURFACE WATER MONITORING PROGRAM

SECOND SEMI-ANNUAL RESULTS OF 2022

**TOWN OF HUNTINGTON
EAST NORTHPORT LANDFILL
TOWNLIN ROAD, EAST NORTHPORT, NEW YORK**

Prepared for:

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FEBRUARY 2023

**EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
SECOND SEMI-ANNUAL RESULTS OF 2022**

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1.0 INTRODUCTION

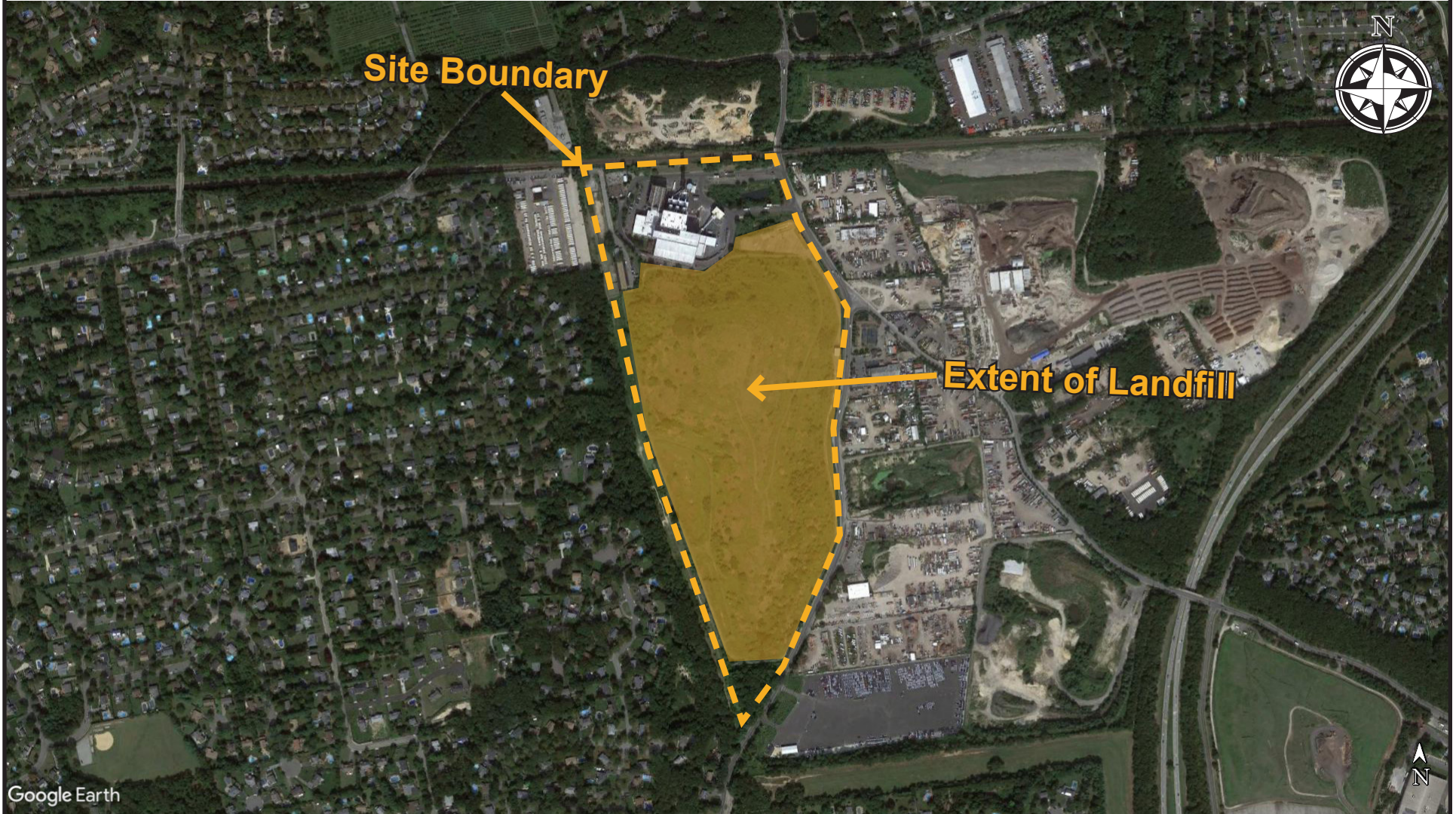
This report presents the field and analytical results obtained in support of the Groundwater and Surface Water Monitoring Program conducted during the second semi-annual event (fourth quarter of 2022), for the East Northport Landfill, on behalf of the Town of Huntington (TOH), Department of Environmental Waste Management. Groundwater sampling was performed by D&B Engineers and Architects (D&B) on November 14, 15, 16 and 17, 2022. Surface water sampling was performed on November 21, 2022. This monitoring program is performed on a semi-annual basis, as stipulated in the Record of Decision (ROD) (modified August 13, 2014), by the New York State Department of Conservation (NYSDEC).

1.1 Purpose

The purpose of the Semi-annual Groundwater and Surface Water Monitoring Program is to monitor the quality of groundwater and surface water in the vicinity of the East Northport Landfill, subsequent to the capping and closure of the Municipal Solid Waste (MSW) and Construction and Demolition debris (C&D) Landfill.

1.2 Site Location and Description

The East Northport Landfill is an unlined, capped MSW and C&D landfill, owned by the Town of Huntington (TOH). The landfill is located at 99 Townline Road in East Northport, Town of Huntington, New York (see **Figure 1-1**). The landfill property is approximately 44 acres in area and located on and approximately 52-acre triangular shaped parcel which coincides with border between the towns of Huntington and Smithtown. The landfill is bounded by Townline Road to the east and south which is followed by commercial use land. Covanta of Huntington, which is an active Waste-to-Energy facility, adjoins the landfill to the north followed by the Long Island Railroad which bounds the facility to the north, and is followed by commercial use land. To the



TOWN OF HUNTINGTON - EAST NORTHPORT LANDFILL
99 TOWN LINE ROAD
EAST NORTHPORT, NY 11731

SITE LOCATION MAP

Figure 1-1

west, the landfill is bounded by a utility right-of-way owned by PSEG Long Island which is followed by residential use land.

Prior to the early 1930s, the land now occupied by the East Northport Landfill was farmland. By 1935, sand mining operations along with disposal of MSW were ongoing on the west side of Townline Road, where the landfill currently exists.

In 1955, the first of three incinerators was constructed at the northern end of the complex. The incinerators ceased operations and were decommissioned in the Summer of 1989.

The types of wastes generally accepted at the landfill site were MSW and C&D. There is no historical evidence of the disposal of large amounts of highly toxic materials, drummed wastes, or petroleum hydrocarbons.

The East Northport Landfill was listed in the NYSDEC Registry of Inactive Hazardous Waste Disposal Sites in December 1983. There have been numerous studies of the landfill, including a NYSDEC Phase I Investigation completed in December 1985. The site was classified a Class 2 (significant threat to public health or environment – action required) in December 1986.

Due to landfill leachate migrating into the groundwater beneath the site, there have been three phases of providing public water to residents whose wells were impacted or threatened by the contaminated groundwater. Phases I and II occurred between 1986 and 1989 prior to the start of the Remedial Investigation (RI) at the site. Phase III occurred in 1993.

To comply with NYSDEC regulations, TOH initiated a methane gas monitoring and control program at the landfill in 1978. Later, an active gas control system was installed in phases around the entire landfill with two blower stations controlling gas collection,

Landfilling of MSW ceased at the landfill in September 1989. In December of 1991, the site boundary was modified to exclude the 12-acre leasehold property, that is now occupied by Covanta of Huntington's Waste-to-Energy plant. Between late fall 1990 and August 1993, the

landfill was completely regarded in preparation for construction of the final cover system. Areas of the landfill that have been regraded have revealed no unexpected waste disposal material or practices.

An Order on Consent between the TOH and the NYSDEC requiring a remedial investigation program was executed on March 20, 1991.

The TOH and the NYSDEC, under the State Superfund Program, initiated a Remedial Investigation and Feasibility Study (RI/FS) in September 1991, to address the contamination at the site. The design of a final covering or “cap” system for the landfill was submitted to NYSDEC and approved in August 1994.

1.3 Report Format

This Semi-annual Groundwater and Surface Water Monitoring Program Report includes a discussion of the sample locations, sampling procedures, laboratory analyses, field and analytical results, including a comparison of the analytical results of this fourth quarter 2022 sampling event to applicable New York State groundwater and surface water quality standards and guidelines, as well as data validation, conclusions and recommendations.

2.0 SAMPLING LOCATIONS

The groundwater monitoring well network for the East Northport Landfill consists of eleven (11) wells. The locations of the groundwater monitoring wells are shown on **Figure 2-1**. All eleven (11) wells were sampled as part of the second semi-annual (fourth quarter 2022) sampling event. Well construction information for these wells are summarized on **Table 2-1**.

Additionally, a total of seven (7) surface water locations, SW-1 through SW-7, were sampled. The surface water sample locations were collected from Sunken Meadow Creek which is a local discharge zone for shallow groundwater located approximately 10,000 feet hydraulically downgradient from the East Northport Landfill. The surface water sample locations are shown on **Figure 2-1**.

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TOWN OF HUNTINGTON - EAST NORTHPORT LANDFILL
99 TOWNLANE ROAD
EAST NORTHPORT, NY 11731
**GROUNDWATER MONITORING WELL AND
SURFACE WATER SAMPLE LOCATIONS**

Table 2-1

**EAST NORTHPORT LANDFILL
SEMI-ANNUAL GROUNDWATER MONITORING PROGRAM
SUMMARY OF MONITORING WELL CONSTRUCTION DETAILS**

Well Designation	Well Diameter (inches)	Total Depth (feet below top of well casing)	Screen Setting (elevation relative to msl.)	Elevation of Measuring Point (feet above msl)	Well location relative to groundwater flow direction from the Site
CW1-S	6	77.5	43 to 37	112.92	Cross gradient
CW1-M	6	105	24.5 to 18.5	111.68	Cross gradient
CW2-M	4	117	19.5 to 13.5	130.57	Downgradient
CW4-S	4	117	36* to 30	147.19	Downgradient
CW4-M	4	148	-1.5 to -7.5*	146.94	Downgradient
EN1-M	4	176	-32 to -52	124.24	Upgradient
EN6-S	4	115	39 to 19	133.80	Downgradient
EN6-M	4	174	-27 to -47	132.62	Downgradient
EN7-M	4	224	-166 to -176	54.17	Downgradient
EN9-M	4	134	-94 to -104	31.28	Downgradient
EN10-M	4	416	-141 to -161	259.10	Downgradient

Notes:

*Screen length unavailable, screen length assumed to be 6 feet, based on known screen length of remaining CW monitoring wells.

msl: mean sea level

Source: Remedial Investigation of the East Northport Landfill (1994) relative to screen setting elevation and measuring point elevation. Total depth for each monitoring well was measured in the field each sampling event.

3.0 SAMPLING PROCEDURES AND ANALYSES

Dedicated and disposable sampling equipment was used whenever possible. Field decontamination was performed between sampling locations for non-disposable equipment. The following sections provide a brief discussion of the procedures used during groundwater level measurements, groundwater and surface water sampling and sample analysis.

3.1 Groundwater Level Measurement Procedures

Water level measurements were obtained from the monitoring wells to determine the volume of standing water in the well for purposes of purging. Groundwater level measurements were obtained from a surveyed measuring point on each well using a decontaminated electronic water level indicator to an accuracy of 0.01 foot.

3.2 Sampling Procedures

Prior to collecting groundwater samples, the monitoring wells were purged to remove the standing water in the well. Well purging was accomplished by first measuring the static water level in the well and calculating the standing water volume. A decontaminated 2-inch Grundfos submersible pump and dedicated tubing was used to purge the water from the all the wells, with exception of EN1-M and EN7-M.

Sampling protocol was modified at groundwater monitoring wells EN1-M, EN7-M, and EN10-M, to conform with NYSDEC's groundwater sampling protocols for emergent contaminants. Sampling protocols were changed due to the prevalence of Per-and Polyfluoroalkyl Substances (PFAS) in consumer products and standard groundwater sampling equipment. Groundwater monitoring wells EN1-M and EN7-M were sampled using low-flow sampling equipment including, a PFAS free bladder pump, dedicated disposable bladders, and dedicated high-density polyethylene (HDPE) tubing. Low-flow purging and sampling with the bladder pump was not possible at well EN10-M because the depth-to-water at this location (over 200' below grade) is greater than the operational limit of the equipment. Therefore, EN10-M was purged

utilizing a 2-inch Grundfos submersible pump connected to HDPE tubing and collected via a decontaminated stainless-steel bailer.

During the purging process, a calibrated Horiba water quality meter was utilized to monitor groundwater and record the following field parameters: pH, temperature, specific conductance, oxidation reduction potential (ORP), dissolved oxygen, salinity and turbidity. At locations purged with a submersible pump, well purging was completed when the values of the field parameters stabilized within 10% for three consecutive readings, the turbidity of the groundwater was less than 50 Nephelometric Turbidity Units (NTUs), and at least three well volumes had been removed. At locations purged using low-flow sampling procedures (i.e., bladder pump), well purging was completed after the minimum discharge tubing volume was evacuated, the turbidity of the groundwater was less than 50 Nephelometric Turbidity Units (NTUs) and the values of the field parameters stabilized for three consecutive readings, in accordance with low flow purging protocols.

Groundwater samples collected from wells purged with a submersible pump and not analyzed for emergent contaminants were done so using new, dedicated, disposable HDPE bailers. A decontaminated stainless-steel bailer was used to collect the groundwater sample from well EN10-M. Groundwater samples from wells EN1-M and EN7-M were collected from the HDPE tubing directly into laboratory supplied sample bottles. At each monitoring well, samples for Volatile Organic Compounds (VOCs) analysis were collected first, followed by inorganic parameters and leachate indicators. Groundwater samples were stored in an ice-filled cooler with the chain of custody forms and delivered to the analytical laboratory. Samples that were analyzed for Emerging Contaminants were segregated into separate coolers and did not come into contact with sample bottles for different parameters.

Surface water samples were collected by carefully lowering a decontaminated hand dipper directly beneath the surface water and gently transferring the sample into laboratory supplied sample containers. Samples for VOCs analysis were collected first, followed by select leachate indicators. Surface water sample were stored in an ice-filled cooler with the chain of custody forms and delivered to the analytical laboratory. After collecting each surface water sample, a calibrated

Horiba water quality meter was utilized to record the following field parameters: pH, temperature, specific conductance, oxidation reduction potential (ORP), dissolved oxygen, salinity and turbidity.

As part of the groundwater and surface water sampling program, appropriate quality assurance/quality control (QA/QC) samples, which included a field blank, matrix spike and matrix spike duplicate (MS/MSD) sets and, daily trip blanks were collected. The daily trip blank accompanied all laboratory sample coolers.

Analytical results for groundwater samples are provided in **Appendices A-1 through A-4**, and a discussion of the results is provided in **Section 4.0**. Historical groundwater sampling analysis results are provided in **Appendix B**.

Analytical results for surface water samples are provided in **Appendix C-1 and Appendix C-2**. Historical surface water sampling analysis results are provided in **Appendix D**.

Field observation logs for the sampling event are contained in **Appendices E**. The chain of custody forms are provided in **Appendix F**.

3.3 Sample Analyses

3.3.1 Groundwater Analyses

Groundwater samples collected during the second semi-annual (fourth quarter 2022) sampling event from the 11 groundwater monitoring wells were analyzed for Target Compound List (TCL); Volatile Organic Compounds (VOCs); select Inorganic Parameters (aluminum, arsenic, cadmium, calcium, chromium, iron, lead, magnesium, mercury, potassium and sodium); and select Leachate Indicator Parameters (alkalinity/bicarbonate, ammonia, nitrate, chloride, sulfate, total dissolved solids and hardness).

In addition, groundwater samples collected from monitoring wells EN1-M, EN7-M and EN10-M were analyzed for NYSDEC Emerging Contaminants; Per-and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane.

Other parameters, such as pH, temperature, specific conductance, ORP, turbidity, dissolved oxygen and salinity, were measured in the field for groundwater samples collected from each of the monitoring wells.

3.3.2 Surface Water Analyses

The seven surface water samples collected were analyzed for TCL VOCs and the select Leachate Indicator Parameters (alkalinity/bicarbonate, ammonia, nitrate, chloride, sulfate, total dissolved solids and hardness).

Other parameters, such as pH, temperature, specific conductance, ORP, turbidity, dissolved oxygen and salinity, were measured in the field for surface water samples collected from each of the surface water locations.

4.0 ANALYTICAL RESULTS

4.1 Field Parameters

The final field parameter values and field data measured for groundwater and surface water for the second semi-annual (fourth quarter 2022) sampling event are provided in **Table 4-1** and **Table 4-2**.

4.2 Monitoring Well Groundwater Results

The analytical results for the groundwater samples collected from the monitoring wells compared to NYSDEC Class GA groundwater standards and guidance values and NYSDEC Guidance Values of PFAS and Drinking Water Standards (DWS) for Emerging Contaminants are provided in **Appendices A-1** through **A-4**. Historical groundwater results from 1996 to the previous sampling event for the monitoring wells are provided in **Appendix B**.

4.2.1 Volatile Organic Compounds

The analytical results for the VOCs analyses are presented in **Appendix A-1**. VOCs were not detected at or above NYSDEC Class GA groundwater standards and guidance values in any of the collected groundwater samples.

4.2.2 Inorganic Parameters

Tabulated analytical results for select inorganic parameters for the monitoring wells are presented in **Appendix A-2**. Discussion of these parameters that were detected in monitoring wells at concentrations exceeding NYSDEC Class GA groundwater standards and guidance values, as well as for comparison of results from upgradient well EN1-M are discussed below:

Table 4-1
EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
SECOND SEMI-ANNUAL GROUNDWATER SAMPLING-FOURTH QUARTER 2022
SUMMARY OF FINAL FIELD PARAMETER RESULTS AND FIELD DATA

Monitoring Well	pH (Standard Units)	Temperature (°C)	Specific Conductance (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/l)	Salinity (ppt)	PID (ppm)	Purging Method
CW1-S	7.96	17.14	0.306	0.0	-162	0.00	0.1	0.0	Submersible Pump
CW1-M	7.94	16.74	0.110	0.0	-122	0.00	0.1	0.0	Submersible Pump
CW2-M	6.35	13.26	0.090	0.0	110	0.00	0.0	0.0	Submersible Pump
CW4-S	6.90	15.21	0.101	0.0	119	0.00	0.0	0.0	Submersible Pump
CW4-M	6.89	13.22	0.115	0.0	193	7.00	0.1	0.0	Submersible Pump
EN1-M	6.20	11.41	0.124	0.0	172	7.74	0.1	0.0	Bladder Pump
EN6-S	5.66	11.97	0.158	0.0	239	8.23	0.1	0.0	Submersible Pump
EN6-M	6.74	11.84	0.213	0.0	177	1.06	0.1	0.0	Submersible Pump
EN7-M	7.33	11.79	0.557	0.0	-57	0.00	0.0	0.0	Bladder Pump
EN9-M	7.03	10.76	0.313	0.0	191	4.75	0.1	0.0	Submersible Pump
EN10-M	3.60	14.29	0.210	1.3	392	8.06	0.1	0.0	Submersible Pump

Table 4-1 (Continued)

**EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
SECOND SEMI-ANNUAL GROUNDWATER SAMPLING- FOURTH QUARTER 2022
SUMMARY OF FINAL FIELD PARAMETER RESULTS AND FIELD DATA**

Monitoring Well	Initial Depth to Water (in feet)	Depth of Well (in feet)	Well Diameter (inches)	Volume of Water Purged (gallons)	Date of Sampling	Time of Sampling	Initials of Samplers	Weather Condition
CW1-S	59.34	77.40	6	200	11/14/22	11:32 a.m.	KR	Sunny, 43°F
CW1-M	59.36	104.60	6	350	11/14/22	9:40 a.m.	KR	Sunny, 43°F
CW2-M	80.33	116.51	4	120	11/15/22	2:30 p.m.	KR	Cloudy, 40°F
CW4-S	95.45	117.10	4	60	11/14/22	3:25 p.m.	KR	Sunny, 43°F
CW4-M	95.30	147.45	4	175	11/14/22	2:00 p.m.	KR	Sunny, 43°F
EN1-M	69.11	175.60	4	3.3	11/17/22	1:30 p.m.	KR	Sunny, 40°F
EN6-S	97.80	113.70	4	70	11/15/22	10:25 a.m.	KR	Cloudy, 40°F
EN6-M	96.70	174.00	4	240	11/15/22	9:15 a.m.	KR	Cloudy, 40°F
EN7-M	26.61	223.74	4	5	11/16/22	3:30 p.m.	KR	Mostly cloudy, 50°F
EN9-M	27.61	133.60	4	350	11/15/22	12:45 p.m.	KR	Cloudy, 40°F
EN10-M	223.66	416.00	4	500	11/17/22	4:00 p.m.	KR	Sunny, 40°F

Notes:

Final field parameter readings were measured prior to completion of sample collection.

°C:	Degrees Celsius	DO:	Dissolved Oxygen
mS/cm:	Millisiemens Per Centimeter	msl:	Mean Sea Level
NTU:	Nephelometric Turbidity Unit	ppt:	Parts Per Thousand
mV:	Millivolt	PID:	Photoionization Detector
mg/l:	Milligrams Per Liter	ppm:	Parts Per Million
ORP	Oxidation Reduction Potential		

Table 4-2
EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
SECOND SEMI-ANNUAL 2022 SURFACE WATER SAMPLING-FOURTH QUARTER 2022
SUMMARY OF FINAL FIELD PARAMETER RESULTS AND FIELD DATA

Monitoring Location	pH (Standard Units)	Temperature (°C)	Specific Conductance (mS/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/l)	Salinity (ppt)
SW-1	6.28	6.74	0.317	8.5	235	9.75	0.1
SW-2	6.90	7.82	0.407	0.7	194	0.75	0.2
SW-3	6.44	9.82	0.370	9.8	246	8.40	0.2
SW-4	6.51	5.44	0.319	1.7	234	9.19	0.1
SW-5	6.89	5.86	0.332	12.3	261	9.90	0.2
SW-6	6.50	2.11	0.263	177	185	6.29	0.1
SW-7	8.46	6.11	23.4	18.3	109	11.85	14

Notes:

Final field parameter readings were measured upon collection of the sample.

°C:	Degrees Celsius	DO:	Dissolved Oxygen
mS/cm:	Millisiemens Per Centimeter	ppt:	Parts Per Thousand
NTU:	Nephelometric Turbidity Unit		
mV:	Millivolt		
mg/l:	Milligrams Per Liter		
ORP	Oxidation Reduction Potential		

- *Arsenic* exceeded the groundwater standard (25 ug/l) in cross-gradient well CW1-S at a concentration of 27.8 ug/l. Arsenic was not detected within upgradient well EN1-M.
- *Cadmium* slightly exceeded the groundwater standard (5 ug/l) in downgradient well CW2-M at a concentration of 6.2 ug/l.
- *Iron* exceeded the groundwater standard (300 ug/l) in all downgradient wells except for well EN9-M. Iron concentrations that exceeded the groundwater standard in the downgradient wells ranged from 399 ug/l at CW4-M to 4,170 ug/l at EN6-M. Iron exceeded the groundwater standard in cross-gradient wells CW1-S and CW1-M, at concentrations of 10,200 ug/l and 963 ug/l, respectively. In upgradient well EN1-M, iron exceeded the groundwater standard at a concentration of 313 ug/l.
- *Lead* exceeded the groundwater standard (25 ug/l) in downgradient well EN10-M at a concentration of 90.8 ug/l.
- *Sodium* exceeded the groundwater standard (20,000 ug/l) in downgradient wells EN6-S, EN6-M, EN7-M and EN9-M at concentrations ranging from 16,400 ug/l at EN6-M to 165,000 ug/l at EN7-M. Sodium exceeded the groundwater standard in cross-gradient well CW1-S at a concentration of 60,200 ug/l. In upgradient well EN1-M, sodium was detected at a concentration of 25,700 ug/l, which also exceeded the groundwater standard.

Select inorganic parameters which exceeded the Class GA groundwater standards during the prior sampling event (second quarter 2022) compared to the results of this sampling event is presented below:

- *Arsenic* has exceeded the groundwater standard for the second consecutive sampling event within cross-gradient well CW1-S. Arsenic was detected at a concentration of 38.6 ug/l during the prior sampling event and exhibited a decrease to a concentration of 27.8 ug/l this sampling event.
- *Cadmium* did not exceed the groundwater standard within any of the downgradient wells during the prior sampling event. Cadmium was detected above the groundwater standard in downgradient well CW-2M.
- *Iron* has exceeded the groundwater standard for consecutive sampling events within cross-gradient and downgradient wells; CW1-S, CW1-M, EN1-M, and EN7-M. Iron concentrations at downgradient wells CW-2M, CW-4S, CW-4M, EN6-S, EN6-M and EN10-M increased to levels above the groundwater standard during the current sampling event, compared to the prior sampling event when these wells were detected below the standard.

- *Sodium* has exceeded the groundwater standard for consecutive sampling events at wells; CW1-S, EN1-M, EN6-S, EN6-M, EN7-M, and EN9-M for the second consecutive monitoring event. The maximum concentration of sodium detected during this sampling event increased to 165,000 ug/l, which was detected within EN7-M. The maximum concentration detected during the prior sampling event was 112,000 ug/l, which was also detected within EN7-M. Sodium concentration at downgradient well CW2-M decreased to levels below the standard during the current sampling event, compared to the prior sampling event when it exceeded the standard at a concentration of 22,900 ug/l.

4.2.3 Leachate Indicators

Tabulated analytical results for select leachate indicators for the monitoring wells are presented in **Appendix A-3**. Discussion of the select leachate indicators that were detected in monitoring wells at concentrations exceeding NYSDEC Class GA groundwater standards and guidance values, as well as for comparison of results from upgradient well EN1-M are discussed below:

- *Ammonia* was detected above the groundwater standard (2 mg/l) in cross gradient well CW1-S at a concentration of 21.0 mg/l and in downgradient well EN7-M at a concentration of 17.3 mg/l. Ammonia was detected below the standard within upgradient well EN1-M, at a concentration of 0.11 mg/l.
- *Total Dissolved Solids* were detected above the groundwater standard (500 mg/l) in downgradient well EN7-M at a concentration of 712 mg/l. Total Dissolved Solids were detected below the groundwater standards at upgradient well EN1-M, at a concentration of 183 mg/l.

Select leachate indicators which exceeded the Class GA groundwater standards during the prior sampling event (second quarter 2022) compared to the results of this sampling event is presented below:

- *Ammonia* has exceeded the groundwater standard for the second consecutive sampling event at wells CW1-S and EN7-M. Ammonia concentrations have decreased at CW1-S during the prior monitoring event from 35.2 mg/l to 21.1 mg/l. Ammonia concentrations have increased at EN7-M during the prior monitoring event from 4.4 mg/l to 17.3 mg/l.

- *Total Dissolved Solids* has exceeded the groundwater standard for the second consecutive sampling event at well EN7-M. Total Dissolved Solids has increased in concentration within EN7-M this sampling event to 712 mg/l, compared to a concentration of 560 mg/l during the prior sampling event.

4.2.4 Emerging Contaminants

Tabulated analytical results for Emerging Contaminants for the selected three (3) monitoring wells (EN1-M, EN7-M and EN10-M), are presented in **Appendix A-4**. Discussion of the individual Emerging Contaminants that were detected in monitoring wells at concentrations exceeding NYSDEC Guidance Values of PFAS and Drinking Water Standards (DWS), as well as for comparison of results from upgradient well EN1-M are discussed below:

- *Perfluorooctane Sulfonic Acid (PFOS)* was detected above the guidance value (10 ng/l) in downgradient well EN7-M at a concentration of 29 ng/l. PFOS was detected in upgradient well EN1-M, at a concentration of 1.1 ng/l.
- *Perfluorooctanoic Acid (PFOA)* was detected above the guidance value (10 ng/l) in downgradient well EN7-M at a concentration of 65 ng/l. In upgradient well EN1-M, PFOA was detected at a concentration of 3.6 ng/l.
- *1,4-Dioxane* was detected above the drinking water standard (1 ug/l) in downgradient well EN7-M at a concentration of 20 ug/l. 1,4-Dioxane was detected in upgradient well EN1-M at a concentration of 0.23 ug/l.

A comparison of Emerging Contaminant concentrations at the selected wells during the prior sampling event (second quarter 2022) compared to the results of this sampling event is presented below:

- *Perfluorooctane Sulfonic Acid (PFOS)* has exceeded the guidance value in downgradient well EN7-M for a second consecutive sampling event. PFOS concentration in well EN7-M remained the same at 29 ng/l.
- *Perfluorooctanoic Acid (PFOA)* has exceeded the guidance value in downgradient well EN7-M for a second consecutive sampling event. PFOA concentration in well EN7-M increased this sampling event to 65 ng/l, compared to a detected concentration of 52 ng/l during the prior sampling event.

- *1,4-Dioxane* has exceeded the drinking water standard in downgradient well EN7-M for a second consecutive sampling event. 1,4-Dioxane concentration in well EN7-M increased this sampling event to 20 ug/l, compared to a detected concentration of 18 ug/l during the prior sampling event.

4.3 Surface Water Sampling Results

The analytical results for the surface water samples collected from Sunken Meadow Creek compared to NYSDEC Class C Surface Water Standards are provided in **Appendices C-1** and **C-2**.

4.3.1 Volatile Organic Compounds

The analytical results for the VOCs analyses are presented in **Appendix C-1**. Consistent with prior sampling events, VOCs were not detected at or above NYSDEC Class C Surface Water Standards in any of the collected surface water samples.

4.3.2 Leachate Indicators

Tabulated analytical results for the select leachate indicators for the surface water samples are presented in **Appendix C-2**. Consistent with prior sampling events, Leachate Indicators were not detected at or above NYSDEC Class C Surface Water Standards in any of the collected surface water samples.

5.0 DATA VALIDATION

The November 2022 sampling event for the East Northport Landfill included the collection of a total of 11 groundwater and 7 surface waters. The samples were analyzed for modified baseline parameters, which consist of the NYCRR Part 363 baseline parameters, including Target List (TCL) volatile organic compounds (VOCS) by USEPA Method 624.1, select metals and leachate indicators. Additionally, monitoring wells EN1-M, EN7-M, and EN10-M were analyzed for NYSDEC Emerging Contaminants Per- and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane. The surface water samples collected were analyzed for TCL VOCs and select leachate indicators, as listed above. Laboratory analyses were performed by Pace Analytical Services, LLC, Melville, New York. All analyses were performed in accordance with United States Environmental Protection Agency (USEPA) SW-846 and New York State Department of Environmental Conservation (NYSDEC) 6/05 Analytical Services Protocol (ASP) methodologies as specified in NYCRR Part 363. Three groundwater samples were sent to Pace Northeast, Longmeadow, Massachusetts, and Eurofins TestAmerica, Amherst, New York for PFAS and 1,4-Dioxane.

Three data packages (70236731, 70237530, and 70237080 [contained subcontracted data 480-204115 and 22K3383]) have been reviewed in accordance with the NYSDEC 7/05 ASP Quality Assurance/Quality Control (QA/QC) requirements. Data Validation Checklists were prepared for each data package and are presented in **Appendix B**. The findings of the validation process are presented below.

- The percent recoveries (%Rs) were below the QC limits in the MS for 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, bromoform, dibromochloromethane, tetrachloroethene, and xylene associated with all samples. They were qualified as estimated (J/UJ) in all groundwater samples.
- The relative percent difference (RPD) was above the QC limit in the MS/MSD for cis-1,2-dichloroethene. It was detected in samples EN7-M and BLIND DUPLICATE and was qualified as estimated (J).
- The following metals were detected in the field blank and/or initial calibration blank and were qualified as non-detect (UB): aluminum in samples CW-1M, EN6-S, EN9-M, and EN-1M; arsenic in samples EN7-M and EN10-M; potassium in samples CW-1M, CW-4M, and EN6-S; and mercury in samples EN-1M and EN10-M.

- Ammonia was detected in the blanks and was qualified as non-detect (UB) in samples CW-1M, CW-4M, CW-4S, EN6-M, EN6-S, EN9-M, and CW2-M.
- The %Rs were below the QC limits in the MS and/or LCS for nitrate associated with samples CW2-M, EN7-M, BLIND DUPLICATE, EN1-M, FIELD BLANK, and EN10-M; nitrite associated with sample EN10-M; ammonia associated with sample CW2-M; alkalinity, carbonate (CaCO₃) associated with all samples except EN7-M and BLIND DUPLICATE; and total alkalinity associated with samples EN6-M, EN6-S, EN9-M, and CW2-M. They were qualified as estimated (J/UJ) in the associated samples.
- The %Rs were below the QC limits in the spike for alkalinity, carbonate (CaCO₃) and nitrite associated with all surface water samples. They were qualified as estimated (J/UJ) in all the surface water samples.
- The %R was above the QC limit in the MS for chloride and sulfate associated with samples CW-1M, CW-1S, CW-4M, CW-4S, EN7-M, BLIND DUPLICATE, EN1-M, FIELD BLANK, and EN10-M and sulfate associated with samples EN6-M, EN6-S, EN9-M, and CW2-M. They were detected above the reporting limit in the associated samples and were qualified as estimated (J).
- The %Rs were above the QC limits in the spike for chloride and sulfate associated with all surface water samples. They were detected and qualified as estimated (J) in all the surface water samples, except for sulfate in sample SW-7.
- The RPD was above the QC limit in the duplicate for total dissolved solids all samples except EN10-M and FIELD BLANK and was qualified as estimated (J).
- Sample EN7-M was field duplicated and labeled BLIND DUPLICATE. Based on field duplicate results total dissolved solids in samples EN7-M and BLIND DUPLICATE were qualified as estimated (J).
- The %R was below the QC limit in the MS and MSD for perfluorobutanesulfonic acid (PFBS). Sample EN-1M was used for the MS and MSD analysis and was qualified as estimated (UJ) for perfluorobutanesulfonic acid (PFBS).
- The surrogate %R was the below QC limit for 13C-PFHxA and above the QC limit for 13C-PFDA in samples EN7-M and BLIND DUPLICATE. Perfluorohexanoic acid (PFHxA) was qualified as estimated (J) in samples EN7-M and BLIND DUPLICATE.
- The surrogate %Rs were the below QC limits for 13C-PFHxA and M3HFPO-DA for the Field Blanks. Perfluorohexanoic acid (PFHxA) was qualified as an estimated limit (UJ) in both Field Blank samples.
- 1,4-Dioxane result reported for samples EN7-M and BLIND DUPLICATE have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based

upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-dioxane-d8 isotope. The E qualifier was removed from the sample results.

- The subcontracted laboratory did not receive the proper PFA compound list from Pace, NY, therefore some PFAs were not analyzed.

Based on the findings of the data validation process, all results are deemed valid and usable for environmental assessment purposes as qualified above.

6.0 GROUNDWATER LEVEL MEASUREMENTS

Groundwater level measurements were recorded in the field by D&B during the sampling event for each of the eleven (11) respective monitoring wells. The groundwater level measurements from the monitoring wells are presented on **Table 6-1**.

Table 6-1

**EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
SECOND SEMI-ANNUAL MONITORING WELL GROUNDWATER ELEVATIONS**

Well Designation	Date of Elevation Measurement	Measuring Point Elevation (feet above msl)	Depth to Water from Measuring Point (feet)	Groundwater Elevation (feet above msl)
CW1-S	11/14/22	112.92	59.34	53.58
CW1-M	11/14/22	111.68	59.36	52.32
CW2-M	11/15/22	130.57	80.33	50.24
CW4-S	11/14/22	147.19	95.45	51.74
CW4-M	11/14/22	146.94	95.30	51.64
EN1-M	11/17/22	124.24	69.11	55.13
EN6-S	11/15/22	133.80	97.80	36.00
EN6-M	11/15/22	132.62	96.70	35.92
EN7-M	11/16/22	54.17	26.61	27.56
EN9-M	11/15/22	31.28	27.61	3.67
EN10-M	11/17/22	259.10	223.66	35.44

Note: MSL: Mean Sea Level

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

The results of the second semi-annual 2022 monitoring activities summarized in this report, indicate that groundwater beneath, cross gradient, and downgradient of the East Northport Landfill remains nominally impacted and of generally consistent water quality with past events. Surface waters of Sunken Meadow Creek, the local downgradient discharge point of shallow groundwater, remain below the NYSDEC Class C surface water standards.

7.2 Recommendations

Based on the findings of the second semi-annual 2022 groundwater and surface water sampling event, as well as historical analytical data, the following recommendations are presented:

- The monitoring frequency for the semi-annual Groundwater and Surface Water Monitoring Program should remain on a semi-annual basis.
- The eleven (11) monitoring wells in the program should continue to be analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) by USEPA Method 624.1, select Inorganic Parameters and select Leachate Indicators.
- Monitoring wells EN1-M, EN7-M, and EN10-M should continue to be analyzed for Emerging Contaminants (PFAS and 1,4-Dioxane).
- The seven (7) surface water locations should continue to be analyzed for TCL VOCs and select Leachate Indicators.

The next semi-annual event is tentatively scheduled for May 2023.

APPENDIX A-1

MONITORING WELL SAMPLE RESULTS VOLATILE ORGANIC COMPOUNDS

Appendix A - 1
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2022 Sampling Event
Monitoring Well Sample Results
Volatile Organic Compounds

Sample ID Sample Date			CW-1M 11/14/22	CW-1S 11/14/22	CW2-M 11/15/22	CW-4M 11/14/22	CW-4S 11/14/22	EN1-M 11/17/22	EN6-M 11/15/22	EN6-S 11/15/22	EN7-M 11/16/22	EN9-M 11/15/22	EN10-M 11/17/22
Units in ug/l													
VOLATILE COMPOUNDS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
1,1,1-Trichloroethane	71-55-6	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	79-00-5	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	75-34-3	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	75-35-4	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	95-50-1	3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloroethane	107-06-2	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	78-87-5	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	541-73-1	3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.1 J	1.0 UJ	1.0 UJ
1,4-Dichlorobenzene	106-46-7	3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 J	1.0 UJ	1.0 UJ
2-Chloroethyl vinyl ether	110-75-8	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	71-43-2	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	75-27-4	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	75-25-2	50	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	74-83-9	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	56-23-5	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	108-90-7	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	75-00-3	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	67-66-3	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	74-87-3	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	156-59-2	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9 J	1.0 U	1.0 U
cis-1,3-Dichloropropene	10061-01-5	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	124-48-1	50	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Dichlorodifluoromethane	75-71-8	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	100-41-4	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	75-09-2	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	127-18-4	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Toluene	108-88-3	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	156-60-5	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	10061-02-6	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	79-01-6	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	75-69-4	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	75-01-4	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	1330-20-7	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Total Volatile Organic Compounds			0	0	0	0	0	1.4	0	0	4	0	0

Footnotes/Qualifiers:

ug/l: Micrograms per liter

--: No standard

J: Estimated limit

U: Compound was analyzed for but not detected

APPENDIX A-2

MONITORING WELL SAMPLE RESULTS INORGANIC PARAMETERS

Appendix A-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2022 Sampling Event
Monitoring Well Sample Results
Inorganic Parameters

Sample ID Sample Date			CW-1M 11/14/22	CW-1S 11/14/22	CW2-M 11/15/22	CW-4M 11/14/22	CW-4S 11/14/22	EN1-M 11/17/22	EN6-M 11/15/22	EN6-S 11/15/22	EN7-M 11/16/22	EN9-M 11/15/22	EN10-M 11/17/22
Units in ug/l													
METALS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Aluminum	7429-90-5	--	115 UB	287	314	136 J	190 J	46.3 UB	166 J	89.1 UB	687	80.8 UB	2510
Arsenic	7440-38-2	25	10 U	<u>27.8</u>	10 U	10 U	10 U	10 U	10 U	10 U	6.5 UB	10 U	7.6 UB
Cadmium	7440-43-9	5	2.5 U	2.5 U	<u>6.2</u>	0.36 J	3.5	2.5 U	0.53 J	2.5 U	2.5 U	2.5 U	2.5 U
Calcium	7440-70-2	--	21300	38200	15800	36200	17600	22400	14600	15600	82200	30100	14700
Chromium	7440-47-3	200	10 U	2.2 J	3 J	2.4 J	2.1 J	37.1	14.5	81.7	1.2 J	1.8 J	29.4
Iron	7439-89-6	300	<u>963</u>	<u>10200</u>	<u>676</u>	<u>399</u>	<u>1130</u>	<u>313</u>	<u>4170</u>	<u>768</u>	<u>2010</u>	159	<u>3790</u>
Lead	7439-92-1	25	5 U	3.3 J	4.9 J	5 U	12.8	5 U	5 U	5 U	5 U	5 U	<u>90.8</u>
Magnesium	7439-95-4	35000	13100	11800	2330	8930	6680	8020	3700	6300	22200	16000	5580
Mercury	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.096 UB	0.2 U	0.2 U	0.2 U	0.2 U	0.11 UB
Potassium	7440-09-7	--	3250 UB	25700	7230	2230 UB	4320 J	2170 J	7890	3140 UB	30100	2770 J	2470 J
Sodium	7440-23-5	20000	10800	<u>60200</u>	13300	17300	17800	<u>25700</u>	<u>16400</u>	<u>35700</u>	<u>165000</u>	<u>89700</u>	16200

Footnotes/Qualifiers:

ug/l Micrograms per liter

U Compound was analyzed for but not detected

J Estimated value

-- No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

APPENDIX A-3

MONITORING WELL SAMPLE RESULTS LEACHATE INDICATORS

Appendix A-3
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2022 Sampling Event
Monitoring Well Sample Results
Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			CW-1M 11/14/22	CW-1S 11/14/22	CW2-M 11/15/22	CW-4M 11/14/22	CW-4S 11/14/22	EN1-M 11/17/22	EN6-M 11/15/22	EN6-S 11/15/22	EN7-M 11/16/22	EN9-M 11/15/22	EN10-M 11/17/22
Units in mg/l													
LEACHATE INDICATORS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Alkalinity, Carbonate	ALK	--	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ
Ammonia, as N	7664-41-7	2	0.081 UB	21.0	0.17 UB	0.061 UB	0.16 UB	0.11	0.055 UB	0.068 UB	17.3	0.13 UB	0.076 J
Chloride	16887-00-6	250	22.5 J	44 J	10.4	40 J	39 J	60.1 J	40	77	173 J	210	30.5 J
Hardness	HARD	--	107	144	49	127	71.5	89	51.7	64.9	297	141	59.7
Nitrate	14797-55-8	10	0.12	0.22	1.1 J	6.3	5.8	4.7 J	2.4	6.2	0.050 UJ	0.90	4.9 J
Sulfate	14808-79-8	250	56.5 J	89.6 J	8.7 J	29.4 J	23.6 J	31.1 J	9.7 J	23.8 J	81.9 J	20.6 J	25.4 J
Total Dissolved Solids	E-10173	500	148 J	420 J	154 J	163 J	158 J	183 J	136 J	196 J	712 J	380 J	180

Footnotes/Qualifiers:

mg/l Milligrams per liter

U Compound was analyzed for but not detected

J Estimated detection limit or value

-- No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

APPENDIX A-4

MONITORING WELL SAMPLE RESULTS EMERGING CONTAMINANTS

Appendix A-4
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2022 Sample Results
Per- and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane

Sample ID Sample Date			EN1-M 11/17/2022	EN7-M 11/16/2022	EN10-M 11/17/2022
PFAS in ng/l	CAS Number	GV/DWS			
1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	--	--	--	--
1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	--	--	--	--
N-MeFOSAA (NMeFOSAA)	2355-31-9	--	1.8 U	1.8 U	1.9 U
N-EtFOSAA (NEtFOSAA)	2991-50-6	--	1.8 U	6.5	1.9 U
Perfluorobutanesulfonic Acid	375-73-5	--	1.8 UJ	2.7	1.9 U
Perfluorobutyric Acid (PFBA)	375-22-4	--	--	--	--
Perfluorodecane Sulfonic Acid	335-77-3	--	--	--	--
Perfluorodecanoic Acid (PFDA)	335-76-2	--	1.8 U	1.8 U	1.9 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	--	1.8 U	1.8 U	1.9 U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	--	--	--	--
Perfluoroheptanoic Acid (PFHpA)	375-85-9	--	1.5	31	4.4
Perfluorohexanesulfonic Acid	355-46-4	--	6.8	15	1.7
Perfluorohexanoic Acid (PFHxA)	307-24-4	--	3.4	40 J	12
Perfluorononanoic Acid	375-95-1	--	1.8 U	1.8	1.9 U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	--	--	--	--
Perfluorooctane Sulfonic Acid (PFOS)	1763-23-1	10 GV	1.1	<u>29</u>	1.9 U
Perfluorooctanoic Acid (PFOA)	335-67-1	10 GV	3.6	<u>65</u>	2.1
Perfluoropentanoic Acid (PFPeA)	2706-90-3	--	--	--	--
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	--	1.8 U	1.8 U	1.9 U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	--	1.8 U	1.8 U	1.9 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	--	1.8 U	1.8 U	3
Total PFAS		--	16.4	191	23.2
1,4-Dioxane (P-Dioxane) In ug/L	123-91-1	1 DWS	0.23	<u>20</u>	0.24

Exceeds Preliminary target levels

GV: Guidance Values as per New York State Screening Value as per the Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs June 2021
DWS: Drinking Water Standards

--: No standard or not analyzed
ng/l: Nanogram per liter
ug/l: Micrograms per liter
U: Analyzed for but not detected
UB: Qualified as non detect due to blank result
J: Estimated value or limit

APPENDIX B

HISTORICAL GROUNDWATER RESULTS

Appendix A - 1
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2022 Sampling Event
Monitoring Well Sample Results
Volatile Organic Compounds

Sample ID Sample Date			CW-1M 5/18/22	CW-1S 5/18/22	CW2-M 5/20/22	CW-4M 5/18/22	CW-4S 5/18/22	EN1-M 5/23/22	EN6-M 5/20/22	EN6-S 5/20/22	EN7-M 5/23/22	EN9-M 5/20/22	EN10-M 5/25/22
Units in ug/l													
VOLATILE COMPOUNDS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
1,1,1-Trichloroethane	71-55-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	110-75-8	--	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	1 UJ
Benzene	71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	7	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	75-01-4	2	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U
Xylene (total)	1330-20-7	5	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U
Total Volatile Organic Compounds		--	0	1	0	0	0	1.3	0	0	1.6	0	0

Footnotes/Qualifiers

ug/l: Micrograms per liter

--: No standard

J: Estimated limit

U: Compound was analyzed for but not detected

Appendix A-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2022 Sampling Event
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID Sample Date			CW-1M 5/18/22	CW-1S 5/18/22	CW2-M 5/20/22	CW-4M 5/18/22	CW-4S 5/18/22	EN1-M 5/23/22	EN6-M 5/20/22	EN6-S 5/20/22	EN7-M 5/23/22	EN9-M 5/20/22	EN10-M 5/25/22
Units in ug/l													
METALS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Aluminum	7429-90-5	--	83.4 J	200 U	200 U	200 U	200 U	152 J	200 U	200 U	121 J	200 U	200 U
Arsenic	7440-38-2	25	10 U	<u>38.6</u>	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	7440-43-9	5	2.5 U	2.5 U	0.42 J	2.5 U	0.68 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Calcium	7440-70-2	--	21400	41500	19900	23300	18200	24200	32600	15800	69200	30100	17200
Chromium	7440-47-3	200	10 U	10 U	10 U	10 U	10 U	151	10 U	1.5 J	10 U	10 U	1.3 J
Iron	7439-89-6	300	<u>7430</u>	<u>19000</u>	70.6 J	100 U	147	<u>1130</u>	100 U	38.7 J	<u>711</u>	100 U	100 U
Lead	7439-92-1	25	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	7439-95-4	35000	13100	12500	5580	9250	6780	8710	9460	6520	17900	15200	6330
Mercury	7439-97-6	0.7	0.2 U	0.094 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Potassium	7440-09-7	--	2420 J	30000	4840 J	1470 J	3920 J	1860 J	2980 J	2820 J	12700	2650 J	1420 J
Sodium	7440-23-5	20000	10600	<u>68300</u>	<u>22900</u>	17100	17900	<u>24000</u>	<u>48300</u>	<u>42600</u>	<u>112000</u>	<u>82100</u>	17600

Footnotes/Qualifiers:

ug/l Micrograms per liter

U Compound was analyzed for but not detected

J Estimated value

-- No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Appendix A-3
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2022 Sampling Event
Monitoring Well Sample Results
Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			CW-1M 5/18/22	CW-1S 5/18/22	CW2-M 5/20/22	CW-4M 5/18/22	CW-4S 5/18/22	EN1-M 5/23/22	EN6-M 5/20/22	EN6-S 5/20/22	EN7-M 5/23/22	EN9-M 5/20/22	EN10-M 5/25/22
Units in mg/l													
LEACHATE INDICATORS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Alkalinity, Carbonate	ALK	--	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Ammonia, as N	7664-41-7	2	0.1 U	35.2	0.071 J	0.1 U	0.17	0.1 U	0.055 J	0.057 J	4.4	0.064 J	0.1 U
Chloride	16887-00-6	250	21.2	47	31.1	33.1	35.8	54.5	93.1	67.2	117	201	31.7
Hardness	HARD	--	107	155	72.7	96.3	73.4	96.3	120	66.3	247	138	69
Nitrate	14797-55-8	10	0.054	0.14	1.9	5.6	5.7	8.5 J	4.7	6.6	0.09 J	0.68	4.5 J
Sulfate	14808-79-8	250	54.3	94.1	58.6	30.4	21.2	30.3	26.4	25.4	55.4	18.8	26.9
Total Dissolved Solids	E-10173	500	152 J	374 J	159 J	164 J	168 J	62	259 J	195 J	560	364 J	157 J

Footnotes/Qualifiers:

mg/l Milligrams per liter

U Compound was analyzed for but not detected

J Estimated detection limit or value

-- No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

Appendix A-4
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2022 Sample Results
Per- and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane

Sample ID Sample Date			EN1-M 5/23/2022	EN7-M 5/23/2022	EN10-M 5/25/2022
PFAS in ng/l	CAS Number	GV/DWS			
1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	--	1.7 U	1.7 U	1.7 U
1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	--	1.7 U	1 J	1.7 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	--	1.7 U	1.7 U	1.7 U
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	--	1.7 U	2.9	1.7 U
Perfluorobutanesulfonic Acid	375-73-5	--	0.6 J	4 J	0.72 J
Perfluorobutyric Acid (PFBA)	375-22-4	--	3.5	62 J	3.5
Perfluorodecane Sulfonic Acid	335-77-3	--	1.7 U	1.7 UJ	1.7 U
Perfluorodecanoic Acid (PFDA)	335-76-2	--	1.7 U	1.7 U	1.7 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	--	1.7 U	1.7 U	1.7 U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	--	0.8 J	1.7 UJ	1.7 U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	--	2.4	28 J	1.2
Perfluorohexanesulfonic Acid	355-46-4	--	9.6	16 J	2.3
Perfluorohexanoic Acid (PFHxA)	307-24-4	--	5.6	72	4
Perfluorononanoic Acid	375-95-1	--	1.7 U	1.5 J	1.7 U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	--	1.7 U	1.7 U	1.7 U
Perfluorooctane Sulfonic Acid (PFOS)	1763-23-1	10 GV	1.2	<u>29 J</u>	1.7 U
Perfluorooctanoic Acid (PFOA)	335-67-1	10 GV	4.8	<u>52</u>	1.7
Perfluoropentanoic Acid (PFPeA)	2706-90-3	--	4.7	41 J	3.7
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	--	1.7 U	1.7 U	1.7 U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	--	1.7 U	1.7 UJ	1.7 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	--	1.7 U	1.7 U	1.7 U
Total PFAS		--	33.20	309.40	17.12
1,4-Dioxane (P-Dioxane) In ug/L	123-91-1	1 DWS	0.25 J	<u>18 J</u>	0.21

Exceeds Preliminary target levels

GV: Guidance Values as per New York State Screening Value as per the Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's

Part 375 Remedial Programs June 2021

DWS: Drinking Water Standards

--: No standard or not analyzed

ng/l: Nanogram per liter

ug/l: Micrograms per liter

U: Analyzed for but not detected

UB: Qualified as non detect due to blank result

J: Estimated value or limit

Appendix A - 1
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2021 Sampling Event
Monitoring Well Sample Results
Volatile Organic Compounds

Sample ID Sample Date			CW1-M 11/11/21	CW1-S 11/11/21	CW4-M 11/11/21	CW4-S 11/11/21	CW2-M 11/10/21	EN1-M 11/15/21	EN10-M 11/16/21	EN7-M 11/15/21	EN9-M 11/10/21	EN6-M 11/10/21	EN6-S 11/10/21
Units in ug/l													
VOLATILE COMPOUNDS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
1,1,1-Trichloroethane	71-55-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	110-75-8	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	50	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Bromomethane	74-83-9	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.0	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	75-01-4	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	1330-20-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Volatile Organic Compounds		--	0	0	0	0	0	0	0	2	0	0	0

Footnotes/Qualifiers:
ug/l: Micrograms per liter
NA: Not analyzed
--: No standard

J: Estimated value or limit
U: Compound was analyzed for
but not detected

Footnotes/Qualifiers:
ug/l: Micrograms per liter
NA: Not analyzed
--: No standard

J: Estimated value or limit
U: Compound was analyzed for
but not detected

Appendix A-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2021 Sampling Event
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID Sample Date			CW1-M 11/11/21	CW1-S 11/11/21	CW4-M 11/11/21	CW4-S 11/11/21	CW2-M 11/10/21	EN1-M 11/15/21	EN10-M 11/16/21	EN7-M 11/15/21	EN9-M 11/10/21	EN6-M 11/10/21	EN6-S 11/10/21
Units in ug/l													
METALS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Aluminum	7429-90-5	--	927	622	32.1 J	32.5 J	494	111 J	213	648	200 U	200 U	91.6 J
Arsenic	7440-38-2	25	10 U	<u>44.4</u>	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	7440-43-9	5	0.39 J	2.5 U	2.5 U	1.3 J	4.3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Calcium	7440-70-2	--	22200	46700	23800	18000	16200	24100	14300	91200	31100	30700	17900
Chromium	7440-47-3	200	1.9 J	40.5	2 J	2.6 J	3.6 J	<u>269</u>	29.5	1.5 J	1.8 J	1.4 J	30.6
Iron	7439-89-6	300	<u>3130</u>	<u>22200</u>	49.1 J	137	<u>841</u>	<u>1520</u>	<u>591</u>	<u>2200</u>	68.3 J	211	<u>488</u>
Lead	7439-92-1	25	8.6	7.3	5 U	3.2 J	7.4	5 U	12.1	5 U	5 U	5 U	5 U
Magnesium	7439-95-4	35000	13500	15000	9280	6730	4230	8840	5220	25100	15900	9230	7580
Mercury	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.11 UB	0.2 U	0.2 U	0.2 U	0.11 UB	0.14 UB	0.13 UB
Potassium	7440-09-7	--	2360 J	33500	1250 J	3790 J	6110	1340 J	1090 J	26000	2630 J	2960 J	2700 J
Sodium	7440-23-5	20000	10700	<u>82300</u>	17100	17500	<u>24300</u>	<u>20900</u>	14200	<u>168000</u>	<u>84600</u>	<u>46600</u>	<u>45800</u>

Footnotes/Qualifiers:

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated value
UB Non-detected based on blank results
-- No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Appendix A-3
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2021 Sampling Event
Monitoring Well Sample Results
Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			CW1-M 11/11/21	CW1-S 11/11/21	CW4-M 11/11/21	CW4-S 11/11/21	CW2-M 11/10/21	EN1-M 11/15/21	EN10-M 11/16/21	EN7-M 11/15/21	EN9-M 11/10/21	EN6-M 11/10/21	EN6-S 11/10/21
Units in mg/l													
LEACHATE INDICATORS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Alkalinity, Carbonate	ALK	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ammonia, as N	7664-41-7	2	0.09 J	44.5	0.1 U	0.2	0.1 U	0.1 UJ	0.1 U	24.9	0.083 J	0.1 U	0.1 U
Chloride	16887-00-6	250	19.5 J	49.4 J	30.3 J	33.4 J	31.7 J	50 J	29.9 J	187 J	211 J	47.3 J	77.6 J
Hardness	HARD	--	111	178	97.6	72.7	57.9	96.6	57.2	331	143	115	75.9
Nitrate	14797-55-8	10	0.048 UB	0.053 UB	5.1	4.8	1.9	6.6	4.9	0.05 U	0.61	3.9	5.2
Sulfate	14808-79-8	250	49.5	87.2	29.2	19.1	25.5	30.6	25.3	81.6	18.2	13.5	24.4
Total Dissolved Solids	E-10173	500	165	420	200	186	152	189	129	782	412	154	234

Footnotes/Qualifiers:

mg/l Milligrams per liter

U Compound was analyzed for but not detected

J Estimated detection limit or value

UB Non-detected based on blank results

-- No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

Appendix A-4
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2021 Sample Results
Per-and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane

Sample ID Sample Date			EN7-M 11/15/2021	EN10-M 11/16/2021	EN1-M 11/15/2021
PFAS in ng/l	CAS Number	Preliminary Target Levels (PTL) / Drinking Water Standards (DWS)			
1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	100 PTL	0.59 U	0.64 U	0.59 U
1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	100 PTL	2.3	42 J	0.44 J
2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	100 PTL	4.6	0.66 U	0.61 U
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	100 PTL	0.74 UJ	0.8 U	0.73 UJ
Perfluorobutanesulfonic Acid	375-73-5	100 PTL	6	0.43	0.46
Perfluorobutyric Acid (PFBA)	375-22-4	100 PTL	69	4.3	3.1
Perfluorodecane Sulfonic Acid	335-77-3	100 PTL	0.32 UJ	0.34 U	0.31 UJ
Perfluorodecanoic Acid (PFDA)	335-76-2	100 PTL	0.48 U	0.52 U	0.47 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	100 PTL	0.43 U	0.47 U	0.43 U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	100 PTL	2.3 J	0.99 U	0.9 UJ
Perfluoroheptanoic Acid (PFHpA)	375-85-9	100 PTL	21	2	1.7
Perfluorohexanesulfonic Acid	355-46-4	100 PTL	19	1.5	8.1
Perfluorohexanoic Acid (PFHxA)	307-24-4	100 PTL	71	6	5.2
Perfluorononanoic Acid	375-95-1	100 PTL	0.34 U	0.36 U	0.33 U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	100 PTL	0.41 U	0.44 U	0.41 U
Perfluorooctane Sulfonic Acid (PFOS)	1763-23-1	10 DWS	<u>33 J</u>	0.63 U	0.99 J
Perfluorooctanoic Acid (PFOA)	335-67-1	10 DWS	<u>63</u>	1.5	5.1
Perfluoropentanoic Acid (PFPeA)	2706-90-3	100 PTL	41	4.2	4.2
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	100 PTL	0.36 UJ	0.39 U	0.35 UJ
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	100 PTL	0.27 UJ	0.3	0.27 UJ
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	100 PTL	0.36 U	0.39 U	0.36 U
Total PFAS		500 PTL	332.20	62.23	29.29
1,4-Dioxane (P-Dioxane) In ug/L	123-91-1	1 DWS	<u>23 J</u>	0.24	0.24

Exceeds Preliminary target levels

PTL: Preliminary Target Levels

DWS: Drinking Water Standards

ng/l: Nanogram per liter

ug/l: Micrograms per liter

U: Analyzed for but not detected

UB: Qualified as non detect due to blank result

J: Estimated value or limit

Appendix A-1
East Northport Landfill
Semi-Annual Groundwater Monitoring
June 2021 Sampling Event
Monitoring Well Sample Results
Volatile Organic Compounds

Sample ID Sample Date			CW1-S 7/8/21	CW1-M 7/8/21	CW2-M 7/7/21	CW4-S 7/8/21	CW4-M 7/8/21	EN1-M 7/12/21	EN6-S 7/7/21	EN6-M 7/7/21	EN7-M 7/12/21	EN9-M 7/7/21	EN10-M 7/13/21
Units in ug/l													
	CAS Number	NYSDEC Class GA Standard or Guidance Value											
VOLATILE COMPOUNDS													
1,1,1-Trichloroethane	71-55-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	75-01-4	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	1330-20-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	110-75-8	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U
Total Volatile Organic Compounds			ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND

Footnotes/Qualifiers:

ug/l: Micrograms per liter

NA: Not analyzed

--: No standard

J: Estimated value or limit

U: Compound was analyzed for but not detected

ND Not detected

Appendix A-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
June 2021 Sampling Event
Monitoring Well Sample Results
Total and Dissolved Metals

Sample ID Sample Date			CW1-S 7/8/21	CW1-M 7/8/21	CW2-M 7/7/21	CW4-S 7/8/21	CW4-M 7/8/21	EN1-M 7/12/21	EN6-S 7/7/21	EN6-M 7/7/21	EN7-M 7/12/21	EN9-M 7/7/21	EN10-M 7/13/21
Units in ug/l													
METALS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Aluminum	7429-90-5	--	97.3 J	494	680	133 J	107 J	72.9 J	77.2 J	50.4 J	381	200 U	200 U
Arsenic	7440-38-2	25	<u>33.3</u>	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	7440-43-9	5	2.5 U	2.5 U	<u>10.4</u>	<u>16.7</u>	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Calcium	7440-70-2	--	40700	20700	19800	16600	24300	22800	10900	26000	74900	29500	15400
Chromium	7440-47-3	200	10 U	10 U	2.4 J	2.4 J	2.4 J	<u>394</u>	48.8	2.1 J	1.3 J	10 U	1.6 J
Iron	7439-89-6	300	<u>14600</u>	<u>7340</u>	<u>691</u>	<u>1570</u>	230	<u>2080</u>	<u>619</u>	<u>772 J</u>	<u>1370</u>	21.2 J	24.4 J
Lead	7439-92-1	25	3.1 J	5.3	17.1	14.7	2.4 J	5 U	5 U	5 U	5 U	5 U	5 U
Magnesium	7439-95-4	35000	13500	12900	4990	6080	8960	8430	4410	7680	18600	15200	5790
Mercury	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Potassium	7440-09-7	--	33000	2480 J	8370	4030 J	1480 J	1690 J	2080 J	4550 J	22400	2550 J	2190 J
Sodium	7440-23-5	20000	<u>74300</u>	10200	<u>45600</u>	16200	16000	<u>24300</u>	<u>38200</u>	<u>39500</u>	<u>142000</u>	<u>71600</u>	17600

Footnotes/Qualifiers:

ug/l Micrograms per liter

U Compound was analyzed for but not detected

J Estimated value

-- No standard

Exceeds NYSDEC Class GA Standard or Guidance Value

Appendix A-3
East Northport Landfill
Semi-Annual Groundwater Monitoring
June 2021 Sampling Event
Monitoring Well Sample Results
Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			CW1-S 7/8/21	CW1-M 7/8/21	CW2-M 7/7/21	CW4-S 7/8/21	CW4-M 7/8/21	EN1-M 7/12/21	EN6-S 7/7/21	EN6-M 7/7/21	EN7-M 7/12/21	EN9-M 7/7/21	EN10-M 7/13/21
Units in mg/l													
LEACHATE INDICATORS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Alkalinity, Carbonate	ALK	--	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Ammonia, as N	7664-41-7	2	31	0.3	0.14 UB	0.2	0.1 U	0.1 U	0.057 UB	0.36	10.6	0.1 U	0.11 UB
Chloride	16887-00-6	250	64.6	20.1	63.8	32.5	31.1	56.1	57.4	78.6	170	186	28.5
Hardness	HARD	--	157	105	70	66.5	97.6	91.6	45.4	96.5	264	136	62.3
Nitrate	14797-55-8	10	0.16	0.076 J	2 J	5.9 J	5.7 J	4.9 J	4.2 J	3.5 J	0.05 UJ	0.71 J	5.2 J
Sulfate	14808-79-8	250	54.3	49.4	24.4	19.5	27.8	28.5	16.7	14	60	17.1	23.5
Total Dissolved Solids	E-10173	--	422	175	236	202	208	254	164	252	652	478	167

Footnotes/Qualifiers:

mg/l Milligrams per liter
U Compound was analyzed for but not detected
UB Non-detected based on blank result
J Estimated detection limit or value
-- No standard or not analyzed

Exceeds NYSDEC Class GA Standard or Guidance Value

Appendix A-4
East Northport Landfill
Semi-Annual Groundwater Monitoring
June 2021 Sample Results
Per-and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane

Sample ID Sample Date			EN1-M 7/12/2021	EN7-M 7/12/2021	EN10-M 7/13/2021
PFAS in ng/l	CAS Number	Preliminary Target Levels (PTL) / Drinking Water Standards (DWS)			
1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	100 PTL	1.4 U	1.4 U	0.55 UJ
1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	100 PTL	1.1 U	2.6	11
2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	100 PTL	0.96 U	0.96 U	0.69 U
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	100 PTL	0.93 U	6.8 J	0.57 U
Perfluorobutanesulfonic Acid	375-73-5	100 PTL	0.54 J	6.4	0.57
Perfluorobutyric Acid (PFBA)	375-22-4	100 PTL	2.9	57	3.7
Perfluorodecane Sulfonic Acid	335-77-3	100 PTL	0.6 U	0.6 U	0.29 U
Perfluorodecanoic Acid (PFDA)	335-76-2	100 PTL	0.38 U	0.38 U	0.44 UJ
Perfluorododecanoic Acid (PFDoA)	307-55-1	100 PTL	0.29 U	0.29 U	0.4 U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	100 PTL	1.3 U	1.3 U	0.85 U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	100 PTL	1.6 J	31	1.5
Perfluorohexanesulfonic Acid	355-46-4	100 PTL	8.4	16	1.6
Perfluorohexanoic Acid (PFHxA)	307-24-4	100 PTL	4.4	66	4.4
Perfluorononanoic Acid	375-95-1	100 PTL	0.48 U	0.96 J	0.31 U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	100 PTL	0.44 UJ	0.44 UJ	0.38 UJ
Perfluorooctane Sulfonic Acid (PFOS)	1763-23-1	10 DWS	1.6 J	<u>24</u>	0.54 U
Perfluorooctanoic Acid (PFOA)	335-67-1	10 DWS	4.7	<u>67</u>	1.7
Perfluoropentanoic Acid (PFPeA)	2706-90-3	100 PTL	4.1	32	3.4
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	100 PTL	0.82 U	0.82 UJ	0.33 UJ
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	100 PTL	1.2 U	1.2 UJ	0.25 UJ
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	100 PTL	0.49 U	0.49 U	0.33 U
Total PFAS		500 PTL	28.24	309.76	27.87
1,4-Dioxane (P-Dioxane) In ug/L	123-91-1	1 DWS	0.19 J	<u>16 J</u>	0.18 J

Exceeds Preliminary target levels

PTL: Preliminary Target Levels

DWS: Drinking Water Standards

Footnotes/Qualifiers:

ng/l: Nanogram per liter

ug/l: Micrograms per liter

U: Analyzed for but not detected

UB: Qualified as non detect due to blank result

J: Estimated value or limit

Table 2

**Summary of Analytical Results-Groundwater
East Northport Landfill, East Northport, NY
Sampled October 22-23, 2020**

Volatile Organic Compounds

Reported in Micrograms per Liter

**NYSDEC
Class GA
Standard**

[illegible]

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	DUP	TB-GW	FB-1	NYSDEC Class GA Standard
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	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)	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)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	3.0
1,4-Dichlorobenzene	ND(5.00)	0.29 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	3.0
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	5.0 J	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	50.0 GV
Tert-Butyl Alcohol	ND(100.00)	13.00 J	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	NS/GV
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0

Note:

ND(): Compound not detected at the reporting 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 October 22-23, 2020
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	79.0 J	63.0 J	127.0	ND(100.0)	ND(100.0)	132.0	139.0	ND(100.0)	285.0	ND(100.0)	3,730.0	53.0 J	NS/GV
Arsenic	ND(5.0)	44.0	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	4.0 J	ND(5.0)	25.0
Cadmium	ND(5.0)	ND(5.0)	1.0 J	2.0 J	ND(5.0)	100.0 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.0
Calcium	19,500.0	36,800.0	19,900.0	9,850.0	22,200.0	5,090.0	13,900.0	21,100.0	13,900.0	22,400.0	6,750.0	19,200.0	NS/GV
Chromium	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	5.0 J	ND(10.0)	217.0	7.0 J	ND(10.0)	2.0 J	9.0 J	ND(10.0)	50.0
Iron	92.0	18,400.0	197.0	131.0	42.0 J	2,160.0	1,750.0	103.0	335.0	572.0	6,460.0	117.0	300.0
Lead	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	185.0	ND(10.0)	25.0
Magnesium	12,000.0	13,600.0	5,050.0	2,040.0	8,823.0	1,040.0	6,210.0	4,690.0	2,620.0	12,000.0	2,430.0	11,900.0	35,000.0 GV
Mercury	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.7
Potassium	2,430.0 J	31,600.0	8,260.0	6,520.0	1,340.0 J	6,010.0	2,460.0 J	2,690.0	3,640.0	2,500.0	3,270.0	2,390.0 J	NS/GV
Sodium	10,100.0	69,700.0	21,500.0	6,410.0	17,100.0	2,226.0	43,900.0	52,300.0	5,800.0	43,700.0	5,420.0	9,950.0	20,000.0
Leachate Indicators (mg/l)													
Ammonia	0.059 J	22.30	ND(0.075)	ND(0.075)	0.025 J	0.319	0.062 J	ND(0.075)	0.093	0.672	1.22	0.066 J	2.0
Bicarbonate	56.80	335.00	48.70	29.30	36.20	20.20	13.20	48.80	42.40	52.60	30.30	56.70	NS/GV
Chloride	18.00	56.00	34.00	11.00	32.00	4.30	70.00	74.00	8.30	100.00	7.90	18.00	250.0
Nitrate	0.31	ND(0.10)	2.200	2.100	6.030	ND(0.10)	6.360	4.980	0.686	ND(0.10)	0.368	0.316	10.0
Sulfate	38.00	39.00	28.00	5.5 J	29.00	ND(10.0)	23.00	21.00	2.0 J	17.00	2.60 J	36.00	250.0
Alkalinity	56.80	335.00	48.70	29.30	36.20	20.20	13.20	48.80	42.40	52.60	30.30	56.70	NS/GV
TDS	170.00	400.00	160.00	64.00	160.00	40.00	180.00	250.00	92.00	260.00	31.00	160.00	NS/GV
Hardness	98.20	148.00	70.50	33.00	91.30	17.00	60.30	72.00	45.50	105.00	26.90	97.00	NS/GV

Note:

ND(): Compound not detected at the reporting 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 4
Summary of Analytical Results- Groundwater
East Northport Landfill, East Northport, NY
Sampled October 23, 2020
Emerging Contaminants
Reported in Nanograms per liter

Parameter	EN1-M	EN7-M	EN10-M	FB	DUP	EPA Health Advisory
1,4-Dioxane	ND(156.0)	ND(139.0)	ND(156.0)	ND(150.0)	ND(139.0)	350.0
Perfluorobutanoic Acid (PFBA)	4.53	2.32	2.54	ND(1.81)	2.33	NS/GV
Perfluoropentanoic Acid (PFPeA)	1.80 J	1.65 J	1.72 J	ND(1.81)	1.74 J	NS/GV
Perfluorobutanesulfonic Acid (PFBS)	0.440 J	1.40 J	0.388 J	ND(1.81)	1.30 J	NS/GV
Perfluorohexanoic Acid (PFHxA)	1.77 J	1.60 J	1.63 J	ND(1.81)	1.53 J	NS/GV
Perfluoroheptanoic Acid (PFHpA)	1.32 J	1.06 J	0.913 J	ND(1.81)	1.03 J	NS/GV
Perfluorohexanesulfonic Acid (PFHxS)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
Perfluorooctanoic Acid (PFOA)	1.26 J	1.22 J	1.40 J	ND(1.81)	1.32 J	70.0*
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
Perfluoroheptanesulfonic Acid (PFHpS)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
Perfluorononanoic Acid (PFNA)	0.808 J	0.353 J	0.959 J	ND(1.81)	0.416 J	NS/GV
Perfluorooctanesulfonic Acid (PFOS)	1.50 J	0.959 J	1.55 J	ND(1.81)	1.00 J	70.0*
Perfluorodecanoic Acid (PFDA)	0.611 J	ND(1.75)	0.971 J	ND(1.81)	ND(1.81)	NS/GV
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
Perfluoroundecanoic Acid (PFUnA)	ND(2.09)	ND(1.75)	0.549 J	ND(1.81)	ND(1.81)	NS/GV
Perfluorodecanesulfonic Acid (PFDS)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
Perfluorooctanesulfonamide (FOSA)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
Perfluorododecanoic Acid (PFDoA)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
Perfluorotridecanoic Acid (PFTTrDA)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
Perfluorotetradecanoic Acid (PFTA)	ND(2.09)	ND(1.75)	ND(1.92)	ND(1.81)	ND(1.81)	NS/GV
Total PFOA + PFOS	2.76 J	2.18 J	2.95 J	0.00	2.32 J	70.0
Total PFAS	14.039	10.562	12.620	0.00	10.666	NS/GV

*EPA established health advisory value of 70 ppt (ng/l) for the combined concentrations of PFOA and PFOS

Note: NYS Maximum Contaminant levels: PFOA (10.0 ng/l), PFOS (10.0 ng/l), 1,4-Dioxane (1.0 µg/l)

ND(): Compound not detected at the reporting limit

EPA Health Advisory: U.S. Environmental Protection Agency Drinking Water Standards and Health Advisories
(per March 2018 Edition)

NS/GV: No Standard or Guidance Value Established

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

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

CW1-S (continued)[illegible]

CW1-S (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	1.70 J	2.10 J	1.70 J	2.10 J	1.8 J	1.30 J	1.40 J	2.40 J	1.30 J
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	0.56 J	ND(5.0)	ND(5.00)	ND(5.00)	0.67 J	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	8.30 J	ND(100.0)	N/A	12.00 J	17.00 J	16.00 J
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

CW1-S (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(1.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	ND(1.50)	ND(1.50)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	1.60 J	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	0.39 J	ND(5.00)							
Acetone	ND(10.0)	ND(10.00)							
Tert-Butyl Alcohol	11.0J	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

CW1-S (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	5/15
Aluminum	ND(10.0)	6.9 B	ND(100.0)	ND(100.0)	ND(100.0)	ND(100.0)	ND(100.0)	ND(100.0)	66.0 J
Arsenic	49.0	46.0	48.0	48.0	49.9	48.0	34.7	49.0	39.2
Cadmium	0.3 B	ND(4.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	27,000.0	27,500.0	26,000.0	23,000.0	22,000.0	22,000.0	11,000.0	34,000.0	27,000.0
Chromium	2.0	1.0 B	ND(10.0)	ND(10.0)	2.1 J	ND(10.0)	2.0 J	3.0 J	2.1 J
Iron	10,400.0	10,600.0	10,000.0	11,000.0	12,000.0	12,000.0	15,000.0	16,000.0	13,000.0
Lead	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Magnesium	20,700.0	18,600.0	16,000.0	14,000.0	12,000.0	11,000.0	5,300.0	14,000.0	13,000.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	55,900.0	50,300.0	54,000.0	46,000.0	44,000.0	45,000.0	12,000.0	44,000.0	40,000.0
Sodium	87,100.0	92,500.0	92,000.0	83,000.0	74,000.0	78,000.0	14,000.0	110,000.0	66,000.0
Leachate Indicators (mg/l)									
Ammonia	79.00	48.000	41.70	38.3	35.0	39.0	8.8	34.0	32.6
Bicarbonate	538.00	507.00	420.00	420.0	400.0	410.0	103.0	374.0	342.0
Chloride	71.00	73.00	62.00	54.0	46.0	48.0	12.0	150.0	61.0
Nitrate	0.25	0.65	1.10	0.3	0.052 J	0.070 J	ND(0.10)	0.087 J	0.2
Sulfate	5.00	1.8 B	1.10 J	1.5 J	2.0 J	ND(10.0)	23.0	6.2 J	6.3 J
Alkalinity	538.00	507.00	420.00	420.0	400.0	410.0	103.0	374.0	342.0
TDS	500.00	480.00	430.00	440.0	390.0	370.0	130.0	520.0	380.0
Hardness	153.00	145.00	130.00	110.0	100.0	100.0	49.0	140.0	120.0

CW1-S (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	ND(100.0)	ND(100.0)	50.0 J	50.0 J	101.0	142.0	41.0 J	ND(100.0)	110.0
Arsenic	45.0	51.7	170.0	56.0	96.0	61.0	84.0	57.0	78.0
Cadmium	ND(5.0)	ND(5.0)	ND(5.00)	ND(5.0)	1.0 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	29,000.0	29,000.0	30,000.0	30,000.0	30,100.0	35,700.0	45,500.0	49,900.0	44,500.0
Chromium	3.0 J	ND(10.0)	2.0 J	4.0 J	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Iron	16,000.0	15,000.0	31,000.0	18,000.0	22,600.0	13,300.0	25,200.0	23,500.0	21,600.0
Lead	ND(10.0)	ND(10.0)	3.0 J	ND(10.0)	4.0 J	3.0 J	ND(10.0)	ND(10.0)	3.0 J
Magnesium	14,000.0	12,000.0	13,000.0	13,000.0	11,100.0	12,900.0	14,600.0	16,300.0	16,100.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	37,000.0	37,000.0	37,000.0	39,000.0	34,000.0	36,700.0	36,900.0	43,300.0	38,400.0
Sodium	68,000.0	81,000.0	74,000.0	85,000.0	73,500.0	77,500.0	99,900.0	110,000.0	81,000.0
Leachate Indicators (mg/l)									
Ammonia	31.90	30.00	30.800	34.0	27.3	30.3	32.7	38.9	25.4
Bicarbonate	368.00	338.00	369.00	351.0	350.0	360.0	420.0	472.0	432.0
Chloride	58.00	63.00	61.00	58.0	57.0	54.0	81.0	80.0	60.0
Nitrate	0.025 J	0.081 J	ND(0.10)	ND(0.10)	0.032J	0.1	ND(0.10)	ND(0.10)	ND(0.10)
Sulfate	5.5 J	19.00	18.00	29.0	22.0	13.0	31.0	45.0	14.0
Alkalinity	368.00	338.00	369.00	351.0	350.0	360.0	420.0	472.0	432.0
TDS	390.00	420.00	390.00	410.0	410.0	380.0	510.0	620.0	440.0
Hardness	130.00	120.00	130.00	130.0	121.0	142.0	174.0	192.0	177.0

CW1-S (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	ND(100.0)	79.0 J							
Arsenic	50.0	ND(5.0)							
Cadmium	ND(5.0)	ND(5.0)							
Calcium	39,700.0	19,500.0							
Chromium	ND(10.0)	ND(10.0)							
Iron	20,400.0	92.0							
Lead	ND(10.0)	ND(10.0)							
Magnesium	14,100.0	12,000.0							
Mercury	ND(0.2)	ND(0.2)							
Potassium	33,400.0	2,430.0 J							
Sodium	69,200.0	10,100.0							
Leachate Indicators (mg/l)									
Ammonia	26.90	0.059 J							
Bicarbonate	347.00	56.80							
Chloride	53.00	18.00							
Nitrate	ND(0.10)	0.31							
Sulfate	32.00	38.00							
Alkalinity	347.00	56.80							
TDS	410.00	170.00							
Hardness	157.00	98.20							

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

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)

[illegible]

CW1-M (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	N/A	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

CW1-M (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(1.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	ND(1.50)	ND(1.50)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	1.20 J							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	0.29 J							
Acetone	ND(10.0)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	13.00 J							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

CW1-M (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	5/15
Aluminum	42.0	29.0	30.0 J	ND(100.0)	50.0 J	30.0 J	24.0 J	32.0 J	47.0 J
Arsenic	33.0	13.0	40.0	33.0	14.6	32.0	56.6	39.9	49.9
Cadmium	ND(1.0)	0.3 B	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	17,100.0	14,500.0	17,000.0	16,000.0	16,000.0	14,000.0	22,000.0	13,000.0	12,000.0
Chromium	ND(1.0)	4.0	ND(10.0)	ND(10.0)	3.8 J	3.0 J	2.1 J	4.7 J	2.9 J
Iron	21,800.0	7,150.0	23,000.0	20,000.0	5,600.0	18,000.0	13,000.0	18,000.0	31,000.0
Lead	ND(2.0)	ND(0.2)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	2.9 J	ND(10.0)	ND(10.0)
Magnesium	8,450.0	7,500.0	8,200.0	7,700.0	7,600.0	6,700.0	12,000.0	6,500.0	5,800.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	24,000.0	14,000.0	16,000.0	12,000.0	12,000.0	16,000.0	39,000.0	12,000.0	10,000.0
Sodium	31,200.0	16,100.0	24,000.0	19,000.0	18,000.0	21,000.0	58,000.0	14,000.0	12,000.0
Leachate Indicators (mg/l)									
Ammonia	22.00	4.50	10.70	7.4	3.3	11.5	35.7	9.2	6.3
Bicarbonate	200.00	86.00	130.00	120.0	76.0	130.0	367.0	115.0	92.3
Chloride	26.00	15.00	20.00	17.0	16.0	16.0	44.0	15.0	14.0
Nitrate	0.12	4.20	0.10	0.2	3.8	0.1	0.1	ND(0.10)	0.190 J
Sulfate	35.00	23.00	24.00	26.0	27.0	28.0	ND(10.0)	26.0	23.0
Alkalinity	200.00	86.00	130.00	120.0	76.0	130.0	367.0	115.0	92.3
TDS	230.00	160.00	180.00	160.0	170.0	170.0	350.0	160.0	90.0
Hardness	77.50	67.10	75.00	72.0	70.0	62.0	100.0	59.0	54.0

CW1-M (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	ND(100.0)	72.0 J	ND(100.00)	130.0	438.0	78.0 J	36.0 J	4,630.0	45.0 J
Arsenic	41.0	48.7	30.0	49.0	ND(5.0)	ND(5.0)	ND(5.0)	4.0 J	ND(5.0)
Cadmium	ND(5.0)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	13,000.0	14,000.0	16,000.0	16,000.0	16,100.0	17,600.0	16,800.0	20,000.0	19,100.0
Chromium	2.0 J	ND(10.0)	ND(10.00)	2.0 J	ND(10.0)	ND(10.0)	ND(10.0)	6.0 J	ND(10.0)
Iron	23,000.0	21,000.0	22,000.0	23,000.0	808.0	136.0	102.0	7,320.0	152.0
Lead	ND(10.0)	ND(10.0)	3.0 J	3.0 J	5.0 J	ND(10.0)	ND(10.0)	33.0	ND(10.0)
Magnesium	6,700.0	5,900.0	7,900.0	7,700.0	5,770.0	5,880.0	5,860.0	13,700.0	12,600.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	11,000.0	8,600.0	11,000.0	13,000.0	4,040.0	4,110.0	4,080.0	2,660.0	2,540.0
Sodium	13,000.0	12,000.0	16,000.0	16,000.0	10,600.0	11,600.0	11,200.0	10,400.0	10,000.0
Leachate Indicators (mg/l)									
Ammonia	6.73	5.18	7.570	8.14	ND(0.075)	0.040 J	ND (0.075)	0.20	0.035 J
Bicarbonate	95.80	91.30	124.00	117.0	47.4	47.6	51.4	57.2	55.1
Chloride	14.00	14.00	17.00	14.0	13.0	12.0	14.0	18.0	17.0
Nitrate	0.12	ND(0.10)	ND(0.10)	ND(0.10)	0.7	1.0	1.0	0.039 J	0.2
Sulfate	25.00	23.00	28.00	28.0	25.0	25.0	26.0	43.0	39.0
Alkalinity	95.80	91.30	124.00	117.0	47.4	47.6	51.4	57.2	55.1
TDS	140.00	170.00	160.00	160.0	140.0	150.0	120.0	220.0	140.0
Hardness	61.00	60.00	72.00	71.0	64.0	68.2	65.9	106.0	99.6

CW1-M (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	ND(100.0)	63.0 J							
Arsenic	ND(5.0)	44.0							
Cadmium	ND(5.0)	ND(5.0)							
Calcium	19,900.0	36,800.0							
Chromium	ND(10.0)	ND(10.0)							
Iron	61.0	18,400.0							
Lead	3.0 J	ND(10.0)							
Magnesium	12,200.0	13,600.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	2,690.0	31,600.0							
Sodium	10,600.0	69,700.0							
Leachate Indicators (mg/l)									
Ammonia	0.096	22.30							
Bicarbonate	57.40	335.00							
Chloride	16.00	56.00							
Nitrate	0.28	ND(0.10)							
Sulfate	37.00	39.00							
Alkalinity	57.40	335.00							
TDS	160.00	400.00							
Hardness	100.00	148.00							

ND(): Compound not detected at method detection limit

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

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
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)
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)
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)
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)
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)
Trichloroflouromethane		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	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)
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)
*1,2-Dichloroethene, Total		ND(1.0)	ND(1.0)	2.0 J	2.0 J	4.6	ND(1.0)	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)
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)
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)
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)
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)
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)
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)
Trichloroethene	ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	2.2
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)
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)
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)
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)
2-Chloroethylvinyl ether		ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	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)
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)
Tetrachloroethene	ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	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)
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)
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)
1,2-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	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)
1,4-Dichlorobenzene		ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	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
Chloromethane	ND(1.1)	NA	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)
Bromomethane	ND(0.6)	NA	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)
Vinyl Chloride	ND(1.0)	NA	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)
Chloroethane	ND(0.7)	NA	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)
Methylene Chloride	ND(0.4)	NA	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)
Trichloroflouromethane	ND(0.4)	NA	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)
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)
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)
*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)
Chloroform	ND(0.3)	NA	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)
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)
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)
Carbon Tetrachloride	ND(0.3)	NA	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)
Bromodichloromethane	ND(0.3)	NA	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)
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)
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)
Trichloroethene	1.2	NA	ND(0.4)	1.0 J	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)
Benzene	ND(0.3)	NA	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)
Dibromochloromethane	ND(0.3)	NA	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)
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)
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)
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)
Bromoform	ND(0.3)	NA	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)
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)
Tetrachloroethene	2.8	NA	1.2	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)
Toluene	ND(0.3)	NA	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)
Chlorobenzene	ND(0.2)	NA	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)
Ethylbenzene	ND(0.4)	NA	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)
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)
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)
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)

CW2-M (continued)

Parameter	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09
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)
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)
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)
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)
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
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)
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)
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)
*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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)

CW2-M (continued)

Parameter	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14
Chloromethane	ND(5.00)	ND(2.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(2.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(5.00)	ND(1.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(5.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(3.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(1.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(5.00)	ND(2.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(5.00)	ND(2.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(5.00)	ND(2.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,2-Dichloroethane	ND(5.00)	ND(2.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(5.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(5.00)	ND(1.00)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(5.00)	ND(1.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(5.00)	ND(0.70)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(5.00)	ND(1.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(5.00)	ND(2.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(5.00)	NA	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(5.00)	ND(1.00)	ND(4.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(5.00)	ND(1.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(5.00)	ND(2.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(5.00)	ND(2.00)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(2.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(2.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(2.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	NA	NA	ND(10.00)	ND(10.00)	7.00 J	ND(10.0)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	NA	NA	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	NA	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)

CW2-M (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)
Trichlorofluoromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	N/A	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA

CW2-M (continued)

Parameter	6/20	10/20						
Chloromethane	ND(5.00)	ND(5.00)						
Bromomethane	ND(5.00)	ND(5.00)						
Vinyl Chloride	ND(1.00)	ND(1.00)						
Chloroethane	ND(2.00)	ND(2.00)						
Methylene Chloride	ND(1.00)	ND(1.00)						
Trichlorofluoromethane	ND(5.00)	ND(5.00)						
1,1-Dichloroethene	ND(1.00)	ND(1.00)						
1,1-Dichloroethane	ND(1.50)	ND(1.50)						
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)						
Chloroform	ND(1.00)	ND(1.00)						
1,2-Dichloroethane	ND(1.50)	ND(1.50)						
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)						
Carbon Tetrachloride	ND(1.00)	ND(1.00)						
Bromodichloromethane	ND(1.00)	ND(1.00)						
1,2-Dichloropropane	ND(3.50)	ND(3.50)						
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)						
Trichloroethene	ND(1.00)	ND(1.00)						
Benzene	ND(1.00)	ND(1.00)						
Dibromochloromethane	ND(1.00)	ND(1.00)						
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)						
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)						
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)						
Bromoform	ND(1.00)	ND(1.00)						
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)						
Tetrachloroethene	ND(1.50)	ND(1.50)						
Toluene	ND(1.00)	ND(1.00)						
Chlorobenzene	ND(3.50)	ND(3.50)						
Ethylbenzene	ND(1.00)	ND(1.00)						
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)						
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)						
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)						
Acetone	ND(10.00)	ND(10.00)						
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)						
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)						
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)						

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

NA: Not Accessible

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

9/00
ND(1.1)
ND(0.6)
ND(1.0)
ND(0.7)
ND(0.4)
ND(0.4)
ND(0.4)
ND(0.2)
ND(0.4)
ND(0.3)
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ND(0.3)
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ND(0.3)
ND(0.4)
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ND(0.3)
ND(0.3)
ND(0.2)
ND(0.3)
ND(1.1)
ND(0.3)
ND(0.3)
3.7
ND(0.3)
ND(0.2)
ND(0.4)
ND(0.2)
ND(0.4)
ND(0.3)

4/05
ND(0.45)
ND(1.30)
ND(0.62)
ND(1.10)
ND(0.98)
ND(0.58)
ND(0.28)
ND(0.33)
ND(0.40)
ND(0.18)
ND(0.28)
ND(0.17)
ND(0.34)
ND(0.30)
ND(0.27)
ND(0.26)
ND(0.59)
ND(0.35)
ND(0.22)
ND(0.29)
ND(0.24)
ND(6.20)
ND(0.22)
ND(0.35)
ND(0.74)
ND(0.38)
ND(0.47)
ND(0.50)
ND(0.67)
ND(0.35)
ND(0.79)

4/15
ND(5.00)
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9/19
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ND(5.00)
ND(5.00)
ND(5.00)
ND(10.00)
ND(100.00)
ND(1.00)
NA

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)	ND(0.2)	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

CW2-M (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Aluminum	9.3 B	138.0	30.0 J	30.0 J	35.0 J	170.0	720.0	230.0	110.0
Arsenic	ND(4.0)	ND(3.0)	ND(5.0)	ND(5.0)	3.7 J	ND(5.0)	4.4 J	3.0 J	ND(5.0)
Cadmium	0.6 B	0.3 B	ND(5.0)	ND(5.0)	0.6 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	11,700.0	12,100.0	9,300.0	12,000.0	20,000.0	12,000.0	16,000.0	12,000.0	14,000.0
Chromium	ND(1.0)	3.0	ND(10.0)	ND(10.0)	4.9 J	2.0 J	5.5 J	2.6 J	ND(10.0)
Iron	212.0	250.0	90.0	50.0	160.0	140.0	780.0	350.0	240.0
Lead	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	6.6 J	3.0 J	2.6 J
Magnesium	3,980.0	3,870.0	3,300.0	4,300.0	7,400.0	4,600.0	4,800.0	3,300.0	46,000.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	3,700.0	4,700.0	4,400.0	5,100.0	8,200.0	6,200.0	6,200.0	5,200.0	5,000.0
Sodium	15,000.0	16,700.0	17,000.0	22,000.0	39,000.0	21,000.0	40,000.0	15,000.0	27,000.0
Leachate Indicators (mg/l)									
Ammonia	0.11	ND(0.02)	0.20	0.068 J	0.07 J	0.061 J	0.1	0.1	ND(0.075)
Bicarbonate	28.00	31.00	23.00	32.0	32.0	39.0	40.7	34.0	34.1
Chloride	20.00	27.00	23.00	18.0	70.0	28.0	52.0	18.0	48.0
Nitrate	1.90	1.50	1.10	1.0	2.9	1.0	0.6	2.6	0.5
Sulfate	17.00	11.00	10.00	36.0	36.0	37.0	52.0	14.0	41.0
Alkalinity	28.00	31.00	23.00	32.0	32.0	39.0	40.7	34.0	34.1
TDS	110.00	110.00	95.00	120.0	210.0	140.0	220.0	120.0	200.0
Hardness	45.60	46.20	37.00	47.0	80.0	50.0	61.0	44.0	54.0

CW2-M (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	68.0 J	120.0	70.0 J	180.0	131.0	1,230.0	50.0 J	413.0	74.0 J
Arsenic	4.7 J	ND(5.0)	ND(5.00)	2.0 J	ND(5.0)	3.0 J	ND(5.0)	ND(5.0)	ND(5.0)
Cadmium	ND(5.0)	1.0 J	ND(5.00)	ND(5.0)	2.0 J	49.0	1.0 J	4.0 J	6.0
Calcium	17,000.0	14,000.0	11,000.0	11,000.0	21,200.0	35,300.0	24,600.0	25,500.0	24,300.0
Chromium	ND(10.0)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.0)	6.0 J	ND(10.0)	4.0 J	3.0 J
Iron	110.0	280.0	110.0	300.0	361.0	1,870.0	79.0	700.0	145.0
Lead	ND(10.0)	3.0 J	3.0 J	ND(10.0)	3.0 J	22.0	ND(10.0)	1.0 J	ND(10.0)
Magnesium	6,300.0	3,100.0	2,700.0	2,700.0	6,980.0	3,300.0	8,520.0	8,840.0	7,680.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	6,400.0	4,400.0	3,700.0	14,000.0	9,950.0	22,400.0	7,480.0	7,550.0	8,570.0
Sodium	20,000.0	25,000.0	13,000.0	56,000.0	27,400.0	115,000.0	34,800.0	30,900.0	30,800.0
Leachate Indicators (mg/l)									
Ammonia	0.027 J	0.15	0.039 J	0.075	0.039J	0.089	0.038 J	0.127	0.081
Bicarbonate	29.60	38.40	29.60	52.7	51.7	143.0	55.7	54.0	64.5
Chloride	28.00	37.00	20.00	68.0	45.0	150.0	51.0	42.0	39.0
Nitrate	1.02	1.70	1.94	2.2	7.7	2.5	6.9	6.2	4.3
Sulfate	37.00	12.00	6.90 J	9.00 J	39.0	21.0	44.0	43.0	41.0
Alkalinity	29.60	38.40	29.60	52.7	51.7	143.0	55.7	54.0	64.5
TDS	120.00	150.00	98.00	220.0	250.0	450.0	230.0	300.0	200.0
Hardness	69.00	47.00	38.00	40.0	81.7	102.0	96.6	100.0	92.2

CW2-M (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	114.0	127.0							
Arsenic	ND(5.0)	ND(5.0)							
Cadmium	1.0 J	1.0 J							
Calcium	19,600.0	19,900.0							
Chromium	ND(10.0)	ND(10.0)							
Iron	284.0	197.0							
Lead	4.0 J	ND(10.0)							
Magnesium	5,570.0	5,050.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	7,000.0	8,260.0							
Sodium	22,800.0	21,500.0							
Leachate Indicators (mg/l)									
Ammonia	0.084	ND(0.075)							
Bicarbonate	44.60	48.70							
Chloride	32.00	34.00							
Nitrate	2.19	2.200							
Sulfate	32.00	28.00							
Alkalinity	44.60	48.70							
TDS	160.00	160.00							
Hardness	71.80	70.50							

ND(): Compound not detected at method detection limit

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

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)

[illegible]

CW4-S (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	N/A	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

CW4-S (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.50)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	ND(1.50)	ND(1.50)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

*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

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

CW4-S (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Aluminum	100.0	69.0	50.0 J	540.0	130.0	140.0	150.0	630.0	200.0
Arsenic	ND(4.0)	ND(3.0)	ND(5.0)	ND(5.0)	3.0 J	ND(5.0)	2.2 J	2.6 J	ND(5.0)
Cadmium	4.0	4.0	3.0 J	8.0	5.0	3.0 J	1.7 J	3.1 J	2.0 J
Calcium	13,200.0	8,870.0	8,700.0	12,000.0	8,600.0	8,000.0	6,800.0	9,000.0	8,900.0
Chromium	2.0	ND(1.0)	5.0 J	4.0 J	3.6 J	5.0 J	4.7 J	5.8 J	2.6 J
Iron	397.0	530.0	540.0	1,700.0	650.0	680.0	600.0	1,200.0	970.0
Lead	4.0	ND(2.0)	3.0 J	32.0	10.2	15.6	12.6	11.1	37.8
Magnesium	4,200.0	840.0	800.0	4,600.0	1,400.0	2,000.0	1,800.0	2,500.0	2,700.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	4,800.0	3,800.0	3,800.0	5,300.0	4,100.0	3,600.0	3,100.0	3,700.0	3,600.0
Sodium	8,100.0	2,800.0	3,000.0	10,000.0	6,300.0	6,100.0	5,200.0	6,200.0	7,300.0
Leachate Indicators (mg/l)									
Ammonia	0.05	ND(0.02)	0.09	0.051 J	0.1	0.1	0.027 J	0.1	0.028 J
Bicarbonate	37.00	26.00	22.00	42.0	23.0	26.0	20.3	25.3	36.7
Chloride	13.00	3.40	4.30	14.0	10.0	9.5	7.9	7.9	14.0
Nitrate	1.40	0.98	1.30	1.3	1.2	1.7	1.2	1.9	2.3
Sulfate	9.60	1.4 B	1.20 J	7.6 J	2.6 J	ND(10.0)	ND(10.0)	4.5 J	9.1 J
Alkalinity	37.00	26.00	22.00	42.0	23.0	26.0	20.3	25.3	36.7
TDS	83.00	38.00	41.00	100.0	45.0	63.0	51.0	64.0	64.0
Hardness	50.30	25.60	25.00	50.0	27.0	28.0	24.0	33.0	33.0

CW4-S (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	77.0 J	20.0 J	70.0 J	130.0	142.0	38.0 J	5,340.0	145.0	113.0
Arsenic	3.1 J	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.0)	ND(5.0)	4.0 J	3.0 J	ND(5.0)
Cadmium	0.7 J	ND(5.0)	ND(5.00)	3.0 J	11.0	1.0 J	10.0	3.0 J	1.0 J
Calcium	9,800.0	7,200.0	11,000.0	8,100.0	8,070.0	5,160.0	19,500.0	9,140.0	9,280.0
Chromium	ND(10.0)	ND(10.0)	ND(10.00)	4.0 J	ND(10.0)	ND(10.0)	20.0	3.0 J	3.0 J
Iron	300.0	130.0	110.0	660.0	1,530.0	417.0	7,770.0	573.0	514.0
Lead	10.8	3.0 J	3.0 J	7.0 J	7.0 J	4.0 J	168.0	ND(10.0)	10.0
Magnesium	3,200.0	900.0	2,700.0	2,200.0	757.0	521.0	6,700.0	2,880.0	2,830.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	3,800.0	3,100.0	3,700.0	3,000.0	4,700.0	2,670.0	4,880.0	2,500.0	3,200.0
Sodium	8,300.0	3,500.0	13,000.0	5,900.0	2,370.0	1,890.0 J	13,600.0	7,290.0	7,660.0
Leachate Indicators (mg/l)									
Ammonia	0.038 J	0.08	0.066 J	0.056 J	ND(0.075)	ND (0.075)	0.081	0.044 J	0.081
Bicarbonate	25.90	20.20	22.90	20.5	22.1	15.8	38.2	21.2	20.8
Chloride	10.00	5.90	6.60	6.2	3.4	3.2	25.0	11.0	11.0
Nitrate	2.03	1.08	2.09	1.3	0.8	0.8	5.1	2.1	2.2
Sulfate	7.8 J	ND(10.00)	3.90 J	4.10 J	1.9J	2.0 J	14.0	7.30 J	7.80 J
Alkalinity	25.90	20.20	22.90	20.5	22.1	15.8	38.2	21.2	20.8
TDS	40.00	54.00	48.00	65.0	49.0	24.0	130.0	74.0	53.0
Hardness	38.00	22.00	29.00	29.0	23.3	15.0	76.2	34.7	34.8

CW4-S (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	188.0	ND(100.0)							
Arsenic	ND(5.0)	ND(5.0)							
Cadmium	4.0 J	2.0 J							
Calcium	9,330.0	9,850.0							
Chromium	3.0 J	ND(10.0)							
Iron	982.0	131.0							
Lead	22.0	ND(10.0)							
Magnesium	3,060.0	2,040.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	2,920.0	6,520.0							
Sodium	7,680.0	6,410.0							
Leachate Indicators (mg/l)									
Ammonia	ND(0.075)	ND(0.075)							
Bicarbonate	22.60	29.30							
Chloride	12.00	11.00							
Nitrate	2.24	2.100							
Sulfate	5.8 J	5.5 J							
Alkalinity	22.60	29.30							
TDS	54.00	64.00							
Hardness	35.90	33.00							

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

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)

CW4-M (continued)[illegible]

CW4-M (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	0.59 J	0.54 J	0.69 J	0.68 J	0.78	0.87 J	1.10 J	0.84 J	0.99 J
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	0.28 J	0.26 J
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	N/A	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	0.57 J	0.00	0.00	0.00	ND(10.0)

CW4-M (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(1.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	0.95 J	1.1							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	0.26 J	ND(1.00)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.0)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	0.95 J	0.92 J							

*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

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

CW4-M (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Aluminum	55.0	14.0	ND(100.0)	ND(100.0)	ND(100.0)	20.0 J	22.0 J	ND(100.0)	ND(100.0)
Arsenic	ND(4.0)	ND(3.0)	ND(5.0)	ND(5.0)	4.4 J	2.0 J	3.8 J	2.0 J	ND(5.0)
Cadmium	0.7 B	ND(4.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	32,300.0	26,400.0	27,000.0	26,000.0	24,000.0	22,000.0	22,000.0	23,000.0	21,000.0
Chromium	5.0	ND(1.0)	2.0 J	3.0 J	3.3 J	4.0 J	7.8 J	3.0 J	ND(10.0)
Iron	192.0	20.0	60.0	30.0 J	ND(50.0)	44.0 J	99.0	56.0	24.0 J
Lead	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	2.8 J	ND(10.0)	ND(10.0)
Magnesium	10,800.0	9,570.0	10,000.0	10,000.0	9,600.0	9,200.0	8,900.0	9,600.0	9,000.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	1,400.0	1,600.0	1,600.0 J	1,500.0 J	1,600 J	1,500 J	1,500.0 J	1,400 J	1,400.0 J
Sodium	14,300.0	13,900.0	15,000.0	15,000.0	15,000.0	16,000.0	15,000.0	16,000.0	16,000.0
Leachate Indicators (mg/l)									
Ammonia	ND(0.02)	ND(0.02)	0.10	0.062 J	0.2	0.0	0.065 J	0.103	ND(0.075)
Bicarbonate	41.00	44.00	38.00	37.0	36.0	35.0	36.5	37.2	36.0
Chloride	23.00	22.00	26.00	23.0	24.0	25.0	24.0	25.0	27.0
Nitrate	7.80	7.10	7.00	6.9	7.2	6.9	6.0	6.9	7.4
Sulfate	39.00	34.00	31.00	34.0	37.0	34.0	36.0	36.0	39.0
Alkalinity	41.00	44.00	38.00	37.0	36.0	35.0	36.5	37.2	36.0
TDS	200.00	180.00	190.00	180.0	160.0	140.0	180.0	180.0	180.0
Hardness	125.00	105.00	110.00	110.0	99.0	93.0	93.0	97.0	89.0

CW4-M (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	ND(100.0)	ND(100.0)	20.0 J	ND(100.0)	332.0	ND(100.0)	40.0 J	ND(100.0)	52.0 J
Arsenic	3.3 J	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.0)	ND(5.0)	2.0 J	3.0 J	ND(5.0)
Cadmium	ND(5.0)	ND(5.0)	ND(5.00)	ND(5.0)	1.0 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	26,000.0	22,000.0	22,000.0	21,000.0	23,300.0	22,300.0	22,900.0	21,600.0	22,800.0
Chromium	2.7 J	ND(10.0)	2.0 J	ND(10.0)	ND(10.0)	3.0 J	3.0 J	ND(10.0)	2.0 J
Iron	ND(50.0)	ND(50.0)	ND(50.00)	20.0 J	612.0	49.0 J	68.0	17.0 J	39.0 J
Lead	ND(10.0)	ND(10.0)	ND(10.00)	ND(10.0)	22.0	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Magnesium	11,000.0	8,800.0	9,500.0	9,600.0	8,410.0	8,400.0	8,820.0	8,690.0	8,750.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	1,700.0 J	1,400.0 J	1,500.0 J	1,600.0 J	2,040.0 J	1,360.0 J	1,470.0 J	1,480 J	1,540.0 J
Sodium	18,000.0	16,000.0	15,000.0	17,000.0	15,800.0	15,700.0	16,900.0	17,000.0	17,000.0
Leachate Indicators (mg/l)									
Ammonia	0.032 J	0.054 J	ND(0.075)	0.062 J	ND(0.075)	ND (0.075)	ND (0.075)	0.055 J	0.063 J
Bicarbonate	36.30	34.70	35.80	34.7	41.8	36.6	38.5	33.5	38.2
Chloride	26.00	26.00	26.00	26.0	29.0	28.0	32.0	25.0	29.0
Nitrate	7.40	6.50	6.34	6.2	5.1	6.3	5.8	6.3	6.1
Sulfate	30.00	35.00	35.00	32.0	31.0	33.0	29.0	36.0	31.0
Alkalinity	36.30	34.70	35.80	34.7	41.8	36.6	38.5	33.5	38.2
TDS	160.00	190.00	160.00	180.0	180.0	180.0	140.0	180.0	190.0
Hardness	110.00	91.00	93.00	92.0	92.8	90.3	93.5	89.6	93.0

CW4-M (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	ND(100.0)	ND(100.0)							
Arsenic	ND(5.0)	ND(5.0)							
Cadmium	ND(5.0)	ND(5.0)							
Calcium	22,200.0	22,200.0							
Chromium	ND(10.0)	5.0 J							
Iron	37.0 J	42.0 J							
Lead	5.0 J	ND(10.0)							
Magnesium	8,720.0	8,823.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	1,460.0 J	1,340.0 J							
Sodium	17,200.0	17,100.0							
Leachate Indicators (mg/l)									
Ammonia	0.069 J	0.025 J							
Bicarbonate	37.70	36.20							
Chloride	28.00	32.00							
Nitrate	5.91	6.030							
Sulfate	31.00	29.00							
Alkalinity	37.70	36.20							
TDS	180.00	160.00							
Hardness	91.30	91.30							

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)

EN1-M (continued)[illegible]

EN1-M (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	1.80 J	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	6.10 J	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	N/A	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

Intentionally Blank

EN1-M (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(2.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(1.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	0.26 J	ND(1.00)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	2.40 J	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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	9,440.0 E	11,000.0 E	10,100.0	10,400.0	9,890.0	8,410.0
Mercury	ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	1,470.0 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

EN1-M (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	5/15
Aluminum	41.0	NA	60.0 J	ND(100.0)	56.0 J	40.0 J	ND(100.0)	93.0 J	410.0
Arsenic	ND(4.0)	NA	ND(5.0)	ND(5.0)	ND(5.0)	2.0 J	3.2 J	3.2 J	ND(5.0)
Cadmium	3.0	NA	3.0 J	2.0 J	1.1 J	2.0 J	1.0 J	4.4 J	28.8
Calcium	24,200.0	NA	20,000.0	20,000.0	5,300.0	7,700.0	2,700.0	4,600.0	8,400.0
Chromium	2.0	NA	2.0 J	ND(10.0)	2.1 J	4.0 J	ND(10.0)	3.4 J	4.7 J
Iron	3,510.0	NA	4,700.0	410.0	4,000.0	3,600.0	110.0	2,900.0	20,000.0
Lead	ND(2.0)	NA	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	34.2	2.1 J	5.2 J
Magnesium	8,640.0	NA	7,000.0	7,400.0	1,200.0	2,000.0	620.0	1,000.0	1,500.0
Mercury	ND(0.2)	NA	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.09 J
Potassium	1,300.0	NA	2,100.0 J	1,700.0 J	5,600.0	5,800.0	1,500.0 J	3,000.0	4,500.0
Sodium	20,800.0	NA	24,000.0	24,000.0	5,600.0	7,100.0	5,500.0	3,700.0	3,400.0
Leachate Indicators (mg/l)									
Ammonia	0.03	NA	0.13	0.1	0.1	0.2	0.025 J	0.3	0.9
Bicarbonate	29.00	NA	26.00	25.0	24.0	29.0	8.9	20.3	31.4
Chloride	25.00	NA	33.00	35.0	8.3	12.0	7.2	5.2	5.3
Nitrate	10.00	NA	7.20	7.0	0.084 J	0.022 J	0.5	ND(0.1)	0.1
Sulfate	35.00	NA	22.00	27.0	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Alkalinity	29.00	NA	26.00	25.0	24.0	29.0	8.9	20.3	31.4
TDS	200.00	NA	170.00	160.0	69.0	56.0	40.0	42.0	46.0
Hardness	96.00	NA	78.00	81.0	18.0	27.0	9.2	16.0	27.0

EN1-M (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	95.0 J	30.0 J	30.0 J	60.0 J	51.0 J	699.0	458.0	40.0 J	55.0 J
Arsenic	5.1	2.0 J	ND(5.00)	ND(5.0)	ND(5.0)	60.0	ND(5.0)	ND(5.0)	ND(5.0)
Cadmium	8.2	1.0 J	1.0 J	1.0 J	1.0 J	53.0	1.0 J	ND(5.0)	ND(5.0)
Calcium	10,000.0	3,300.0	10,000.0	6,300.0	8,720.0	12,900.0	8,620.0	2,580.0	4,220.0
Chromium	2.4 J	ND(10.0)	ND(10.00)	3.0 J	ND(10.0)	26.0	ND(10.0)	ND(10.0)	ND(10.0)
Iron	8,600.0	490.0	2,600.0	3,900.0	2,660.0	15,300.0	7,340.0	730.0	760.0
Lead	ND(10.0)	3.0 J	3.0 J	ND(10.0)	ND(10.0)	17.0	18.0	ND(10.0)	ND(10.0)
Magnesium	2,100.0	620.0	2,500.0	1,300.0	1,490.0	951.0	1,140.0	492.0	723.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	5,700.0	2,600.0	5,200.0	6,700.0	5,750.0	1,370.0 J	5,480.0	1,150.0	2,990.0
Sodium	4,600.0	3,300.0	6,300.0	3,900.0	2,750.0	2,230.0	2,460.0	2,150.0	1,460.0 J
Leachate Indicators (mg/l)									
Ammonia	0.45	0.034 J	0.394	0.134	0.163	0.040 J	0.175	0.168	0.395
Bicarbonate	39.70	13.00	38.50	25.7	34.5	10.2	19.5	7.3	13.3
Chloride	6.60	4.80	11.00	6.5	4.2	2.7	3.7	2.9	2.8
Nitrate	ND(0.1)	0.045 J	0.023 J	0.53 J	ND(0.10)	0.3	0.051 J	0.3	0.052 J
Sulfate	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	1.6 J	ND(10.0)	1.40 J	ND(10.0)
Alkalinity	39.70	13.00	38.50	25.7	34.5	10.2	19.5	7.3	13.3
TDS	61.00	34.00	95.00	60.0	70.0	42.0	43.0	98.0	24.0
Hardness	35.00	11.00	36.00	21.0	27.9	36.1	26.2	36.1	13.5

EN1-M (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	ND(100.0)	132.0							
Arsenic	ND(5.00)	ND(5.0)							
Cadmium	ND(5.0)	100.0 J							
Calcium	4,480.0	5,090.0							
Chromium	ND(10.0)	ND(10.0)							
Iron	760.0	2,160.0							
Lead	4.0 J	ND(10.0)							
Magnesium	879.0	1,040.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	5,140.0	6,010.0							
Sodium	2,100.0	2,226.0							
Leachate Indicators (mg/l)									
Ammonia	0.236	0.319							
Bicarbonate	16.10	20.20							
Chloride	3.40	4.30							
Nitrate	ND(0.10)	ND(0.10)							
Sulfate	ND(10.0)	ND(10.0)							
Alkalinity	16.10	20.20							
TDS	41.00	40.00							
Hardness	14.80	17.00							

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

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)

[illegible]

EN6-S (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	0.55 J	ND(1.50)	ND(1.50)	ND(1.50)	0.63	ND(1.00)	ND(1.00)	0.54 J	0.57 J
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	0.31 J	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	N/A	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

EN6-S (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	0.46 J	0.58 J							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	ND(1.50)	ND(1.50)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.0)	ND(10.0)							

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

EN6-S (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Aluminum	13.0	75.0	ND(100.0)	30.0 J	54.0 J	40.0 J	120.0	54.0 J	30.0 J
Arsenic	ND(4.0)	ND(3.0)	ND(5.0)	ND(5.0)	2.7 J	ND(5.0)	3.7 J	3.1 J	ND(5.0)
Cadmium	0.3 B	ND(4.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	17,700.0	8,930.0	16,000.0	14,000.0	16,000.0	15,000.0	14,000.0	13,000.0	12,000.0
Chromium	16.0	51.0	4.0 J	8.0 J	100.0	100.0	340.0	11.0	10.0
Iron	116.0	470.0	70.0	140.0	770.0	190.0	2,400.0	220.0	240.0
Lead	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	2.4 J	ND(10.0)	ND(10.0)
Magnesium	7,710.0	3,820.0	7,200.0	6,500.0	6,800.0	6,300.0	6,200.0	5,600.0	5,700.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	1,900.0	1,700.0	2,500.0	2,200.0 J	2,300.0 J	2,500.0	2,300.0 J	2,300 J	2,100.0 J
Sodium	34,800.0	65,000.0	37,000.0	32,000.0	34,000.0	39,000.0	35,000.0	39,000.0	40,000.0
Leachate Indicators (mg/l)									
Ammonia	0.03	ND(0.02)	0.047 J	0.058 J	0.041 J	0.041 J	0.029 J	0.070 J	ND(0.075)
Bicarbonate	ND(20.00)	22.00	14.00	14.0	14.0	14.0	14.6	15.0	14.6
Chloride	60.00	88.00	53.00	45.0	56.0	60.0	51.0	62.0	62.0
Nitrate	6.70	1.80	5.20	5.7	6.6	6.3	6.4	4.8	6.7
Sulfate	28.00	18.00	25.00	24.0	30.0	28.0	33.0	27.0	27.0
Alkalinity	ND(20.00)	22.00	14.00	14.0	14.0	14.0	14.6	15.0	14.6
TDS	200.00	210.00	200.00	150.0	210.0	180.0	200.0	170.0	140.0
Hardness	75.90	38.00	69.00	62.0	67.0	63.0	61.0	56.0	54.0

EN6-S (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	240.0	70.0 J	43.0 J	80.0 J	59.0 J	57.0 J	48.0 J	ND(100.0)	ND(100.0)
Arsenic	3.2 J	ND(5.0)	4.9 J	ND(5.0)	4.0 J	ND(5.0)	ND(5.0)	2.0 J	ND(5.0)
Cadmium	ND(5.0)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	12,000.0	14,000.0	13,000.0	13,000.0	14,100.0	13,900.0	10,200.0	14,700.0	15,200.0
Chromium	210.0	10.0	25.0	60.0	55.0	258.0	26.0	3.0 J	4.0 J
Iron	1,900.0	360.0	250.0	550.0	493.0	1,410.0	254.0	14.0 J	35.0 J
Lead	ND(10.0)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Magnesium	5,300.0	6,400.0	6,100.0	7,000.0	6,350.0	6,250.0	4,260.0	6,280.0	6,810.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	1,900.0 J	2,300.0 J	2,300.0 J	2,700.0	2,640.0	2,750.0	1,820 J	2,580.0	2,560.0
Sodium	35,000.0	40,000.0	37,000.0	39,000.0	39,400.0	46,700.0	44,200.0	42,400.0	42,500.0
Leachate Indicators (mg/l)									
Ammonia	0.032 J	0.08	ND(0.075)	0.061 J	ND(0.075)	ND (0.075)	ND (0.075)	0.034 J	0.052 J
Bicarbonate	14.60	14.10	14.00	14.7	15.2	15.5	17.8	12.6	11.8
Chloride	65.00	60.00	56.00	53.0	60.0	58.0	66.0	62.0	70.0
Nitrate	6.30	6.17	7.07	7.6	7.5	9.0	4.0	6.9	6.1
Sulfate	22.00	25.00	27.00	28.0	29.0	30.0	13.0	25.0	26.0
Alkalinity	14.60	14.10	14.00	14.7	15.2	15.5	17.8	12.6	11.8
TDS	180.00	210.00	170.00	190.0	200.0	220.0	190.0	240.0	200.0
Hardness	52.00	62.00	57.00	62.0	61.5	60.4	43.0	62.6	66.0

EN6-S (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	43.0 J	139.0							
Arsenic	ND(5.0)	ND(5.0)							
Cadmium	ND(5.0)	ND(5.0)							
Calcium	14,900.0	13,900.0							
Chromium	191.0	217.0							
Iron	1,200.0	1,750.0							
Lead	ND(10.0)	ND(10.0)							
Magnesium	6,940.0	6,210.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	2,800.0	2,460.0 J							
Sodium	44,300.0	43,900.0							
Leachate Indicators (mg/l)									
Ammonia	ND(0.075)	0.062 J							
Bicarbonate	12.40	13.20							
Chloride	74.00	70.00							
Nitrate	6.740	6.360							
Sulfate	24.00	23.00							
Alkalinity	12.40	13.20							
TDS	220.00	180.00							
Hardness	65.80	60.30							

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

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)

[illegible]

EN6-M (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	0.69 J	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	1.50	0.72 J	1.2 J	0.60 J	ND(1.5)	ND(1.50)	0.76 J	0.78 J	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	N/A	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

EN6-M (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.50)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	0.75 J	0.29 J							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

EN6-M (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Aluminum	ND(10.0)	NA	ND(100.0)	ND(100.0)	ND(100.0)	ND(100.0)	ND(100.0)	ND(100.0)	ND(100.0)
Arsenic	ND(4.0)	NA	ND(5.0)	ND(5.0)	2.5 J	2.0 J	4.3 J	2.7 J	ND(5.0)
Cadmium	0.4 B	NA	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	36,700.0	NA	29,000.0	33,000.0	31,000.0	29,000.0	28,000.0	31,000.0	29,000.0
Chromium	0.5 B	NA	9.0 J	ND(10.0)	3.0 J	3.6 J	2.4 J	3.8 J	3.1 J
Iron	41.0	NA	960.0	110.0	210.0	140.0	47.0 J	76.0	36.0 J
Lead	ND(2.0)	NA	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	2.9 J	ND(10.0)	ND(10.0)
Magnesium	8,860.0	NA	7,200.0	7,200.0	7,000.0	6,700.0	6,900.0	7,600.0	9,000.0
Mercury	ND(0.2)	NA	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	2,300.0	NA	4,200.0	2,900.0	3,000.0	3,200.0	2,600.0	3,900.0	3,400.0
Sodium	31,500.0	NA	28,000.0	32,000.0	33,000.0	34,000.0	36,000.0	37,000.0	39,000.0
Leachate Indicators (mg/l)									
Ammonia	0.03	NA	0.08	0.073 J	0.1	ND(0.075)	0.030 J	0.073 J	ND(0.075)
Bicarbonate	61.00	NA	50.00	54.0	53.0	58.0	53.5	52.4	57.5
Chloride	48.00	NA	53.00	52.0	53.0	54.0	67.0	72.0	73.0
Nitrate	8.70	NA	5.20	7.8	7.9	7.0	5.9	5.5	7.1
Sulfate	24.00	NA	17.00	24.0	23.0	23.0	25.0	24.0	28.0
Alkalinity	61.00	NA	50.00	54.0	53.0	58.0	53.5	52.4	57.5
TDS	240.00	NA	180.00	220.0	240.0	230.0	260.0	240.0	260.0
Hardness	128.00	NA	100.00	110.0	100.0	100.0	100.0	110.0	110.0

EN6-M (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	ND(100.0)	ND(100.0)	ND(100.00)	ND(100.0)	ND(100.0)	72.0 J	ND(100.0)	ND(100.0)	ND(100.0)
Arsenic	5.7	2.0 J	3.7 J	ND(5.0)	2.0 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Cadmium	ND(5.0)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	37,000.0	28,000.0	30,000.0	26,000.0	27,400.0	6,390.0	28,200.0	24,700.0	20,300.0
Chromium	2.4 J	3.0 J	2.9 J	10.0	8.0 J	3.0 J	ND(10.0)	4.0 J	ND(10.0)
Iron	31.0 J	80.0	54.0	200.0	80.0	1,820.0	19.0 J	50.0 J	58.0
Lead	ND(10.0)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Magnesium	11,000.0	7,300.0	9,500.0	7,000.0	6,680.0	1,820.0	8,270.0	6,930.0	4,660.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	4,000.0	4,000.0	3,400.0	4,200.0	3,830.0	8,760.0	2,980.0	2,900.0	2,810.0
Sodium	46,000.0	45,000.0	42,000.0	48,000.0	46,900.0	4,930.0	52,900.0	52,100.0	54,400.0
Leachate Indicators (mg/l)									
Ammonia	0.066 J	0.10	ND(0.075)	0.066 J	0.028J	0.485	ND (0.075)	0.092	0.107
Bicarbonate	60.40	56.30	58.00	51.7	56.1	32.3	60.0	59.4	50.5
Chloride	86.00	75.00	76.00	71.0	82.0	7.2	85.0	75.0	71.0
Nitrate	6.27	5.22	6.31	5.02	4.09	0.17	4.36	4.36	4.73
Sulfate	27.00	24.00	29.00	25.0	21.0	ND(10.00)	24.0	24.0	21.0
Alkalinity	60.40	56.30	58.00	51.7	56.1	32.3	60.0	59.4	50.5
TDS	290.00	280.00	230.00	260.0	250.0	71.0	280.0	320.0	240.0
Hardness	140.00	100.00	110.00	93.0	96.0	23.4	104.0	90.2	69.8

EN6-M (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	ND(100.0)	ND(100.0)							
Arsenic	ND(5.0)	ND(5.0)							
Cadmium	ND(5.0)	ND(5.0)							
Calcium	24,300.0	21,100.0							
Chromium	11.0	7.0 J							
Iron	123.0	103.0							
Lead	ND(10.0)	ND(10.0)							
Magnesium	6,820.0	4,690.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	2,970.0	2,690.0							
Sodium	51,500.0	52,300.0							
Leachate Indicators (mg/l)									
Ammonia	0.034 J	ND(0.075)							
Bicarbonate	57.50	48.80							
Chloride	82.00	74.00							
Nitrate	4.580	4.980							
Sulfate	24.00	21.00							
Alkalinity	57.50	48.80							
TDS	260.00	250.00							
Hardness	88.70	72.00							

ND(): Compound not detected at method detection limit

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

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

EN7-M (continued)

Parameter	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Chloromethane	ND(5.00)	NA	ND(10.00)	ND(10.00)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	NA	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	1.30 J	ND(5.00)
Vinyl Chloride	ND(5.00)	NA	ND(2.00)	ND(2.00)	ND(2.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(5.00)	NA	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	NA	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichlorofluoromethane	ND(5.00)	NA	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(5.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(5.00)	NA	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(5.00)	NA	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(5.00)	NA	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,2-Dichloroethane	ND(5.00)	NA	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(5.00)	NA	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(5.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(5.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(5.00)	NA	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(5.00)	NA	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(5.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(5.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(5.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(5.00)	NA	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(5.00)	NA	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(5.00)	NA	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(5.00)	NA	ND(4.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(5.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(5.00)	NA	5.90 J	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(5.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(5.00)	NA	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(5.00)	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	NA	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	NA	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	NA	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	NA	NA	ND(10.00)	ND(10.00)	8.20 J	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	NA	NA	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	NA	NA	5.5	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)

EN7-M (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	1.40 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	0.64 J	0.96 J	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	1.00 J	0.72 J	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	2.10	1.00	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	0.54 J	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	1.10 J	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	1.10 J	1.10 J	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	1.70 J	1.60 J	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	N/A	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	3.50	2.60	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

EN7-M (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND1.00	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(1.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	ND(1.50)	ND(1.50)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

EN7-M (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Aluminum	129.0	NA	190.0	130.0	140.0	790.0	770.0	7,600.0	730.0
Arsenic	16.0	NA	ND(5.0)	4.0 J	6.8	4.6	5.3	8.9	ND(5.0)
Cadmium	0.4 B	NA	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	31,300.0	NA	130,000.0	15,000.0	10,000.0	10,000.0	8,900.0	16,000.0	30,000.0
Chromium	10.0	NA	2.0 J	2.0 J	2.2 J	3.8 J	2.8 J	8.7 J	2.4 J
Iron	397.0	NA	540.0	200.0	540.0	1,400.0	550.0	8,800.0	780.0
Lead	ND(2.0)	NA	ND(10.0)	ND(10.0)	ND(10.0)	4.7 J	8.8 J	66.8	8.1 J
Magnesium	5,070.0	NA	47,000.0	2,500.0	1,500.0	1,600.0	1,200.0	4,000.0	2,800.0
Mercury	ND(0.2)	NA	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	9,000.0	NA	6,200.0	4,200.0	3,900.0	3,700.0	2000.0 J	8,800.0	6,900.0
Sodium	15,900.0	NA	280,000.0	30,000.0	20,000.0	9,400.0	6,400.0	5,700.0	190,000.0
Leachate Indicators (mg/l)									
Ammonia	0.88	NA	0.29	0.1	0.4	0.070 J	ND(0.150)	0.5	0.1
Bicarbonate	94.00	NA	580.00	54.0	38.0	39.0	34.2	54.8	86.0
Chloride	14.00	NA	250.00	33.0	26.0	10.0	4.3	9.5	320.0
Nitrate	0.07	NA	0.07 J	0.3	0.046 J	0.017 J	0.4	ND(0.100)	1.4
Sulfate	10.00	NA	85.00	1.8 J	1.2 J	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Alkalinity	94.00	NA	580.00	54.0	38.0	39.0	34.2	54.8	86.0
TDS	180.00	NA	1,100.00	120.0	130.0	83.0	83.0	92.0	660.0
Hardness	99.00	NA	520.00	47.0	32.0	33.0	27.0	56.0	85.0

EN7-M (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	170.0	180.0	20,000.0	570.0	140.0	1,870.0	936.0	1,580.0	1,700.0
Arsenic	6.1	4.0 J	16.3	3.0 J	5.0	3.0 J	2.0 J	3.0 J	4.0 J
Cadmium	ND(5.0)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	16,000.0	16,000.0	120,000.0	120,000.0	20,000.0	9,880.0	12,100.0	30,000.0	14,600.0
Chromium	ND(10.0)	ND(10.0)	42.0	3.0 J	ND(10.0)	2.0 J	ND(10.0)	2.0 J	3.0 J
Iron	200.0	1,100.0	23,000.0	3,100.0	298.0	2,390.0	1,110.0	2,160.0	2,300.0
Lead	4.7 J	3.0 J	83.1	3.0 J	ND(10.0)	16.0	6.0 J	15.0	11.0
Magnesium	2,900.0	2,600.0	41,000.0	38,000.0	3,630.0	2,040.0	2,310.0	5,550.0	3,030.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	3,700.0	3,700.0	8,700.0	9,500.0	4,980.0	3,740.0	3,840.0	5,540.0	3,550.0
Sodium	11,000.0	27,000.0	220,000.0	230,000.0	56,000.0	22,500.0	4,640.0	72,700.0	13,700.0
Leachate Indicators (mg/l)									
Ammonia	0.31	0.24	0.495	0.566	0.117	0.024 J	0.109	0.169	0.186
Bicarbonate	52.40	59.90	604.00	554.0	68.4	35.1	38.6	49.0	46.6
Chloride	9.10	36.00	220.00	200.0	82.0	24.0	5.7	140.0	18.0
Nitrate	0.56	ND(0.10)	0.022 J	ND(0.10)	1.34	1.14	0.547	0.706	ND(0.10)
Sulfate	ND(10.0)	ND(10.00)	89.00	84.0	ND(10.0)	2.0 J	ND(10.0)	ND(10.00)	ND(10.0)
Alkalinity	52.40	59.90	604.00	554.0	68.4	35.1	38.6	49.0	46.6
TDS	85.00	160.00	980.00	1,100.0	200.0	98.0	68.0	380.0	75.0
Hardness	52.00	51.00	460.00	440.0	64.9	33.0	39.7	97.7	49.0

EN7-M (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	379.0	285.0							
Arsenic	3.0 J	ND(5.0)							
Cadmium	ND(5.0)	ND(5.0)							
Calcium	11,700.0	13,900.0							
Chromium	ND(10.0)	ND(10.0)							
Iron	480.0	335.0							
Lead	4.0 J	ND(10.0)						0.0	
Magnesium	2,190.0	2,620.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	2,480.0 J	3,640.0							
Sodium	4,470.0	5,800.0							
Leachate Indicators (mg/l)									
Ammonia	0.027 J	0.093							
Bicarbonate	35.80	42.40							
Chloride	5.50	8.30							
Nitrate	0.455	0.686							
Sulfate	ND(10.0)	2.0 J							
Alkalinity	35.80	42.40							
TDS	50.00	92.00							
Hardness	38.30	45.50							

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

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

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)

EN9-M (continued)[illegible]

EN9-M (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	N/A	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

EN9-M (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(1.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	ND(1.50)	ND(1.50)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	5.0 J							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

EN9-M (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Aluminum	22.0	24.0	50.0 J	30.0 J	ND(100.0)	50.0 J	73.0 J	ND(100.0)	30.0 J
Arsenic	ND(4.0)	ND(3.0)	ND(5.0)	ND(5.0)	2.6 J	ND(5.0)	2.9 J	3.3 J	ND(5.0)
Cadmium	0.3 B	ND(4.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	37,100.0	29,600.0	32,000.0	2,300.0	27,000.0	31,000.0	27,000.0	26,000.0	29,000.0
Chromium	2.0	0.8 B	ND(10.0)	ND(10.0)	3.2 J	3.5 J	3.1 J	ND(10.0)	ND(10.0)
Iron	68.0	50.0	120.0	60.0	270.0	100.0	120.0	88.0	75.0
Lead	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	2.6 J	ND(10.0)	ND(10.0)
Magnesium	16,400.0	13,400.0	15,000.0	11,000.0	13,000.0	14,000.0	14,000.0	13,000.0	15,000.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Potassium	2,400.0	2,300.0	2,800.0	2,300.0 J	2,200 J	2,700.0	2,700.0	2,600.0	2,700.0
Sodium	63,100.0	41,700.0	83,000.0	67,000.0	49,000.0	59,000.0	68,000.0	56,000.0	68,000.0
Leachate Indicators (mg/l)									
Ammonia	ND(0.02)	ND(0.02)	0.10	0.1	ND(0.075)	ND(0.075)	0.029 J	0.1	ND(0.075)
Bicarbonate	36.00	38.00	35.00	35.0	35.0	36.0	37.8	38.1	34.8
Chloride	160.00	120.00	170.00	120.0	120.0	140.0	160.0	130.0	180.0
Nitrate	0.79	0.39	0.85	0.7	0.6	0.8	0.9	0.6	1.0
Sulfate	16.00	18.00	14.00	18.0	18.0	16.0	18.0	17.0	15.0
Alkalinity	36.00	38.00	35.00	35.0	35.0	36.0	37.8	38.1	34.8
TDS	380.00	280.00	380.00	300.0	300.0	340.0	370.0	300.0	390.0
Hardness	160.00	129.00	140.00	100.0	120.0	140.0	120.0	120.0	140.0

EN9-M (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	39.0 J	60.0 J	27.0 J	ND(100.0)	ND(100.0)	ND(100.0)	ND(100.0)	ND(100.0)	89.0 J
Arsenic	2.9 J	ND(5.0)	ND(5.00)	2.0 J	3.0 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Cadmium	ND(5.0)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	27,000.0	21,000.0	30,000.0	30,000.0	26,200.0	28,800.0	24,600.0	24,400.0	22,200.0
Chromium	ND(10.0)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)
Iron	78.0	100.0	36.0 J	49.0 J	66.0	36.0 J	35.0 J	15.0 J	190.0
Lead	ND(10.0)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	3.0 J
Magnesium	14,000.0	10,000.0	16,000.0	15,000.0	13,600.0	15,100.0	12,800.0	12,600.0	11,800.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)
Potassium	2,800.0	2,400.0 J	2,600.0	2,700.0	2,500.0	2,310.0 J	2,320.0 J	2,140 J	2,520.0
Sodium	74,000.0	49,000.0	80,000.0	92,000.0	78,100.0	72,900.0	69,000.0	58,900.0	35,000.0
Leachate Indicators (mg/l)									
Ammonia	0.038 J	0.08	ND(0.075)	0.023 J	ND(0.075)	0.053 J	0.041 J	0.173	0.120
Bicarbonate	37.10	41.00	33.90	32.8	34.4	33.6	38.1	34.3	41.1
Chloride	140.00	94.00	180.00	210.0	180.0	180.0	140.0	120.0	80.0
Nitrate	0.74	0.29	0.82	1.0	0.8	0.8	0.6	0.5	ND(0.10)
Sulfate	19.00	20.00	16.00	13.0	16.0	17.0	17.0	20.0	25.0
Alkalinity	37.10	41.00	33.90	32.8	34.4	33.6	38.1	34.3	41.1
TDS	330.00	260.00	370.00	420.0	380.0	440.0	340.0	340.0	220.0
Hardness	130.00	95.00	140.00	140.0	122.0	134.0	114.0	113.0	104.0

EN9-M (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	ND(100.0)	ND(100.0)							
Arsenic	2.0 J	ND(5.0)							
Cadmium	ND(5.0)	ND(5.0)							
Calcium	24,600.0	22,400.0							
Chromium	2.0 J	2.0 J							
Iron	84.0	572.0							
Lead	3.0 J	ND(10.0)							
Magnesium	13,100.0	12,000.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	2,200.0 J	2,500.0							
Sodium	59,400.0	43,700.0							
Leachate Indicators (mg/l)									
Ammonia	0.119	0.672							
Bicarbonate	36.30	52.60							
Chloride	130.00	100.00							
Nitrate	0.47	ND(0.10)							
Sulfate	21.00	17.00							
Alkalinity	36.30	52.60							
TDS	320.00	260.00							
Hardness	115.00	105.00							

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

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

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)

EN10-M (continued)[illegible]

EN10-M (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(4.00)	ND(4.00)	ND(4.00)	ND(4.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(4.00)	ND(4.00)	ND(4.00)	ND(4.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(7.00)	ND(7.00)	ND(7.00)	ND(7.00)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(20.00)	ND(20.00)	ND(20.00)	ND(20.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(3.00)	ND(3.00)	ND(3.00)	ND(3.00)
Toluene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(7.00)	ND(7.00)	ND(7.00)	ND(7.00)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(20.00)	ND(20.00)	ND(20.00)	2.70 J
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.0)	ND(200.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

EN10-M (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(1.00)	ND(1.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	ND(1.50)	ND(1.50)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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)
Bicarbonate		19.60	18.30	19.80	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	19.00	28.00	29.00	18.00	20.00	20.00	16.00	23.00	23.00
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(0.200)	0.450	0.070	0.030	0.040	0.270	0.15	0.31
Bicarbonate	21.00	12.00	ND(2.00)	3.10	ND(20.00)	ND(20.00)	ND(20.00)	ND(20.00)	ND(20.00)
Chloride	9.20	4.57	2.86	2.00	ND(3.00)	4.40	ND(3.00)	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

EN10-M (continued)

Metals (µg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	5/15
Aluminum	467.0	5,800.0	1,100.0	430.0	340.0	420.0	180.0	570.0	240.0
Arsenic	ND(4.0)	4.0	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	3.0 J	2.2 J	ND(5.0)
Cadmium	0.2 B	ND(4.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Calcium	1,600.0	3,030.0	2,600.0	2,800.0	3,700.0	4,700.0	11,000.0	3,000.0	1,300.0
Chromium	4.0	7.0	10.0	4.0 J	5.9 J	2.3 J	ND(10.0)	5.2 J	ND(10.0)
Iron	2,080.0	6,200.0	1,100.0	290.0	220.0	370.0	140.0	550.0	200.0
Lead	8.0	8.0	19.0	20.0	18.9	8.5 J	13.2	19.5	12.6
Magnesium	510.0	1,830.0	960.0	950.0	1,000.0	1,500.0	4,000.0	1,100.0	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(0.2)	ND(0.2)
Potassium	2,900.0	2,300.0	2,000.0 J	1,900.0 J	2,100 J	2,600.0	1,900.0 J	1,500.0 J	950.0 J
Sodium	1,200.0	2,600.0	2,600.0	2,900.0	3,700.0	4,500.0	12,000.0	2,600.0	1,300.0 J
Leachate Indicators (mg/l)									
Ammonia	0.26	ND(0.02)	0.14	0.058 J	0.04 J	0.071 J	0.047 J	0.3	0.070 J
Bicarbonate	ND(20.00)	ND(20.00)	8.90	8.7	11.0	12.0	15.3	8.2	5.2
Chloride	ND(3.00)	2.80	4.20	4.0	4.0	6.1	19.0	3.1	1.5
Nitrate	0.09	0.59	0.26	0.08 J	0.2	1.0	3.9	1.1	0.5
Sulfate	ND(3.00)	2.8 B	1.50 J	2.8 J	3.3 J	4.5 J	21.0	ND(10.0)	ND(10.0)
Alkalinity	ND(20.00)	ND(20.00)	8.90	8.7	11.0	12.0	15.3	8.2	5.2
TDS	20.00	19.00	11.00	6.0 J	44.0	25.0	130.0	50.0	31.0
Hardness	6.10	15.10	10.00	11.0	14.0	18.0	44.0	12.0	5.0

EN10-M (continued)

Metals (µg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Aluminum	430.0	250.0	160.0	1,300.0	599.0	14,800.0	8,820.0	10,600.0	14,700.0
Arsenic	ND(5.0)	2.4 J	ND(5.00)	2.0 J	ND(5.0)	14.0	7.0	7.0	11.0
Cadmium	ND(5.0)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.0)	1.00 J	ND(5.0)	1.0 J	ND(5.0)
Calcium	1,800.0	1,900.0	2,200.0	3,200.0	3,340.0	9,710.0	6,060.0	6,560.0	6,910.0
Chromium	7.0 J	ND(10.0)	4.0 J	20.0	2.0 J	19.0	10.0 J	18.0	19.0
Iron	410.0	240.0	260.0	1,500.0	653.0	18,200.0	8,470.0	9,520.0	1,650.0
Lead	35.3	20.3	23.0	75.0	44.0	1,990.0	508.0	769.0	732.0
Magnesium	690.0	580.0	700.0	1,200.0	1,070.0	3,140.0	2,780.0	3,200.0	4,160.0
Mercury	ND(0.2)	0.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.1 J
Potassium	1,500.0 J	1,600.0 J	1,800.0 J	2,200.0 J	2,040.0 J	5,930.0	5,740.0	3,150.0	4,070.0
Sodium	1,600.0 J	2,000.0	2,000.0	3,000.0	3,390.0	5,380.0	5,000.0	4,910.0	5,490.0
Leachate Indicators (mg/l)									
Ammonia	0.21	0.047 J	0.167	ND(0.075)	0.027J	0.105	0.132 J	0.134	0.193
Bicarbonate	7.60	8.10	10.20	10.6	10.6	12.9	18.5	15.2	26.1
Chloride	2.50	2.50	2.50	3.4	4.2	7.6	7.8	6.6	7.3
Nitrate	0.26	0.11	0.091 J	0.649	0.277	0.830	0.479	0.660	0.634
Sulfate	ND(10.0)	ND(10.00)	1.80 J	2.40 J	2.3J	1.90 J	4.70 J	6.50 J	1.50 J
Alkalinity	7.60	8.10	10.20	10.6	10.6	12.9	18.5	15.2	26.1
TDS	23.00	38.00	ND(10.00)	29.0	41.0	37.0	120.0	110.0	24.0
Hardness	7.50	7.10	8.40	13.0	12.8	37.2	26.6	29.6	34.4

EN10-M (continued)

Metals (µg/l)	6/20	10/20							
Aluminum	1,500.0	3,730.0							
Arsenic	2.0 J	4.0 J							
Cadmium	ND(5.0)	ND(5.0)							
Calcium	6,580.0	6,750.0							
Chromium	ND(10.0)	9.0 J							
Iron	3,420.0	6,460.0							
Lead	205.0	185.0							
Magnesium	1,990.0	2,430.0							
Mercury	ND(0.20)	ND(0.20)							
Potassium	4,040.0	3,270.0							
Sodium	5,300.0	5,420.0							
Leachate Indicators (mg/l)									
Ammonia	0.598	1.22							
Bicarbonate	24.70	30.30							
Chloride	7.20	7.90							
Nitrate	0.213	0.368							
Sulfate	3.70 J	2.60 J							
Alkalinity	24.70	30.30							
TDS	49.00	31.00							
Hardness	24.60	26.90							

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

APPENDIX C-1

SURFACE WATER SAMPLE RESULTS VOLATILE ORGANIC COMPOUNDS

Appendix C-1
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2022 Sampling Event
Surface Water Sample Results
Volatile Organic Compounds

Units in ug/l			Sample ID Sample Date	SW-1 11/21/22	SW-2 11/21/22	SW-3 11/21/22	SW-4 11/21/22	SW-5 11/21/22	SW-6 11/21/22	SW-7 11/21/22
VOLATILE COMPOUNDS	CAS Number	Class C Surface Water Standard								
1,1,1-Trichloroethane	71-55-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	110-75-8	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	71-43-2	210	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	56-23-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	--	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	75-01-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	1330-20-7	65	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Volatile Organic Compounds		--	0	0	1.1	0	0	0	0	0

Footnotes/Qualifiers:

ug/l Micrograms per liter

U Compound was analyzed for but not detected

J Estimated limit

-- No standard

APPENDIX C-2

SURFACE WATER SAMPLE RESULTS LEACHATE INDICATORS

Appendix C-2
 East Northport Landfill
 Semi-Annual Groundwater Monitoring
 November 2022 Sampling Event
 Surface Water Sample Results
 Inorganics and Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			SW-1 11/21/22	SW-2 11/21/22	SW-3 11/21/22	SW-4 11/21/22	SW-5 11/21/22	SW-6 11/21/22	SW-7 11/21/22
Units in mg/l									
Metals	CAS Number	Class C Surface Water Standard							
Calcium*		--	17.4	26.4	24.6	17.4	18.2	12.6	159
Magnesium*		--	7.08	12.7	12.5	7.07	7.82	5.21	478
LEACHATE INDICATORS	CAS Number	Class C Surface Water Standard							
Alkalinity, Carbonate	ALK	--	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Ammonia, as N	7664-41-7	2.2	0.11	0.10 U	0.10 U	0.11	0.11	0.28	0.12
Chloride	16887-00-6	--	73.4 J	81.0 J	93.1 J	73.6 J	71.7 J	67.6 J	9460 J
Hardness	HARD	--	72.6	118	113	72.6	77.6	52.9	2370
Nitrate	14797-55-8	--	11.7	2.0	2.9	3.1	2.3	0.25	0.61
Sulfate	14808-79-8	--	23.5 J	44.0 J	38.0 J	29.8 J	24.9 J	13.5 J	5.0 U
Total Dissolved Solids	E-10173	--	182	284	264	186	198	180	14300

Footnotes/Qualifiers:

mg/l Milligrams per liter
 U Compound was analyzed for but not detected
 J Estimated detection limit or value
 -- No standard or not analyzed
 * Metal parameters analyzed in order to calculate Hardness

APPENDIX D

HISTORICAL SURFACE WATER RESULTS

Appendix C-1
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2022 Sampling Event
Surface Water Sample Results
Volatile Organic Compounds

Units in ug/l			Sample ID Sample Date	SW-1 5/27/22	SW-2 5/27/22	SW-3 5/27/22	SW-4 5/27/22	SW-5 5/27/22	SW-6 5/27/22	SW-7 5/27/22
VOLATILE COMPOUNDS	CAS Number	Class C Surface Water Standard								
1,1,1-Trichloroethane	71-55-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	110-75-8	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Benzene	71-43-2	210	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	56-23-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	75-01-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	1330-20-7	65	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Volatile Organic Compounds		--	0	0	0	0	0	0	0	0

Footnotes/Qualifiers:

ug/l Micrograms per liter

U Compound was analyzed for but not detected

J Estimated limit

-- No standard

Appendix C-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2022 Sampling Event
Surface Water Sample Results
Metals and Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			SW-1 5/27/22	SW-2 5/27/22	SW-3 5/27/22	SW-4 5/27/22	SW-5 5/27/22	SW-6 5/27/22	SW-7 5/27/22
Units in mg/l									
Metals	CAS Number	Class C Surface Water Standard							
Calcium*		--	17.7	28.6	25.6	19.7	21.5	15.2	264
Magnesium*		--	6.95	14.5	12.7	8.04	10.1	7.42	824
LEACHATE INDICATORS	CAS Number	Class C Surface Water Standard							
Alkalinity, Carbonate	ALK	--	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Ammonia, as N	7664-41-7	2.2	0.13	0.088 J	0.10 U	0.11	0.084 J	0.067 J	0.10 U
Chloride	16887-00-6	--	56.2	96.9	90.2	63.4	83.9	131	14600
Hardness	HARD	--	72.8	131	116	82.3	95.3	68.5	4050
Nitrate	14797-55-8	--	2.1 J	2.2 J	1.9 J	2.6 J	1.6 J	0.088 J	0.037 UBJ
Sulfate	14808-79-8	--	19.0	40.3	33.4	20.9	24.1	14.5	1990
Total Dissolved Solids	E-10173	--	163	296	252	191	231	267	17500

Footnotes/Qualifiers:

mg/l Milligrams per liter
U Compound was analyzed for but not detected
UB Non-detected based on blank result
J Estimated detection limit or value
-- No standard or not analyzed
* Metal parameters analyzed in order to calculate Hardness

Appendix C-1
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2021 Sampling Event
Surface Water Sample Results
Volatile Organic Compounds

Sample ID Sample Date			SW-1 11/16/21	SW-2 11/16/21	SW-3 11/16/21	SW-4 11/16/21	SW-5 11/16/21	SW-6 11/16/21	SW-7 11/16/21
Units in ug/l									
VOLATILE COMPOUNDS	CAS Number	Class C Surface Water Standard							
1,1,1-Trichloroethane	71-55-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	110-75-8	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	71-43-2	210	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Bromomethane	74-83-9	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	56-23-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	17	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	--	1 U	1 U	1.4	1 U	1 U	1 U	1 U
Toluene	108-88-3	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	75-01-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	1330-20-7	65	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Volatile Organic Compounds		--	0	0	1.4	0	0	0	0

Footnotes/Qualifiers:

ug/l Micrograms per liter

U Compound was analyzed for but not detected

J Estimated value or limit

-- No standard

Appendix C-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
November 2021 Sampling Event
Surface Water Sample Results
Metals and Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			SW-1 11/16/21	SW-2 11/16/21	SW-3 11/16/21	SW-4 11/16/21	SW-5 11/16/21	SW-6 11/16/21	SW-7 11/16/21
Units in mg/l									
Metals	CAS Number	Class C Surface Water Standard							
Calcium*		--	19	28.8	25.5	19.3	20.5	15.4	231
Magnesium*		--	7.91	14.7	12.2	7.93	8.98	6.73	740
LEACHATE INDICATORS	CAS Number	Class C Surface Water Standard							
Alkalinity, Carbonate	ALK	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ammonia, as N	7664-41-7	2.2	0.072 J	0.1 U	0.1 U	0.089 J	0.21	0.36	0.13
Chloride	16887-00-6	--	56.1	89.8	70.6	60.9	62.5	83.7	36900
Hardness	HARD	--	80	132	114	80.8	88.2	66.2	3620
Nitrate	14797-55-8	--	2.7 J	1.8 J	4.2 J	2.7 J	2.1 J	0.53 J	0.40 J
Sulfate	14808-79-8	--	20.8 J	39.4 J	30.1 J	20.4 J	21.8 J	13.0 J	4060 J
Total Dissolved Solids	E-10173	--	163	244	174	178	182	224	17300 J

Footnotes/Qualifiers:

mg/l Milligrams per liter
U Compound was analyzed for but not detected
UB Non-detected based on blank result
J Estimated detection limit or value
-- No standard or not analyzed
* Metal parameters analyzed in order to calculate Hardness

Appendix C-1
East Northport Landfill
Semi-Annual Groundwater Monitoring
June 2021 Sampling Event
Surface Water Sample Results
Volatile Organic Compounds

Sample ID Sample Date			SW-1 7/20/21	SW-2 7/20/21	SW-3 7/20/21	SW-4 7/20/21	SW-5 7/20/21	SW-6 7/20/21	SW-7 7/20/21
Units in ug/l									
VOLATILE COMPOUNDS	CAS Number	Class C Surface Water Standard							
1,1,1-Trichloroethane	71-55-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dichloropropane	78-87-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	71-43-2	210	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	56-23-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	17	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	75-01-4	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	1330-20-7	65	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	110-75-8	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Volatile Organic Compounds		--	0	0	0	0	0	0	0

Footnotes/Qualifiers:

ug/l Micrograms per liter
U Compound was analyzed for but not detected
J Estimated value or limit
-- No standard

Appendix C-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
June 2021 Sampling Event
Surface Water Sample Results
Metals and Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			SW-1 7/20/21	SW-2 7/20/21	SW-3 7/20/21	SW-4 7/20/21	SW-5 7/20/21	SW-6 7/20/21	SW-7 7/20/21
Units in mg/l									
Metals	CAS Number	Class C Surface Water Standard							
Calcium*		--	19.7	41.7	93.3	20	23.3	13	18.5
Magnesium*		--	7.8	45.1	23.5	8.16	17	7.19	59.8
LEACHATE INDICATORS	CAS Number	Class C Surface Water Standard							
Alkalinity, Carbonate	ALK	--	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Ammonia, as N	7664-41-7	2.2	0.055 UB	0.082 UB	0.39	0.14 UB	0.11 UB	0.099 UB	0.2 UB
Chloride	16887-00-6	--	56.1	691	3230	64.5	237	169	7730
Hardness	HARD	--	81.3	290	1200	83.5	128	62.1	2800
Nitrate	14797-55-8	--	0.83 J	1.2 J	0.99 J	1.9 J	1.1 J	0.05 U	0.4 J
Sulfate	14808-79-8	--	16.3	86.3	563	19.4	35.7	18.1	1160
Total Dissolved Solids	E-10173	--	91	571	6030	242	442	230	9630

Footnotes/Qualifiers:

mg/l Milligrams per liter
U Compound was analyzed for but not detected
UB Non-detected based on blank result
J Estimated detection limit or value
-- No standard or not analyzed
* Metal parameters analyzed in order to calculate Hardness

Table 3

Summary of Analytical Results-Surface Water
East Northport Landfill, East Northport, NY
Sampled October 22, 2020
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(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	2.0
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	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
Trichlorofluoromethane	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(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	5.0
trans-1,2-Dichloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	5.0
Chloroform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	7.0
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	0.6
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	5.0
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	50.0 GV
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	1.0
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	0.4*
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	1.0
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	50.0 GV
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	0.4*
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	1.0
2-Chloroethyl vinyl Ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	NS/GV
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	50.0 GV
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0
Tetrachloroethene	1.10 J	0.71 J	1.70	0.92 J	0.44 J	ND(1.50)	ND(1.50)	1.80	ND(1.50)	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(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	5.0
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	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
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	2.4 J	ND(10.00)	ND(10.00)	ND(10.00)	50.0 GV
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	NS/GV
cis-1,2-Dichloroethene	ND(1.00)	0.27 J	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0

Note:

ND (): Compound not detected at the reporting 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 October 22, 2020**

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	0.149	0.072 J	0.062 J	0.121	0.087	0.085	0.211	0.035 J	2.0
Bicarbonate	42.80	82.80	46.40	38.20	52.40	22.80	101.00	45.60	NS/GV
Chloride	62.00	140.00	74.00	55.00	60.00	47.00	8,000.00	68.00	250.0
Nitrate	2.94	2.04	4.28	2.82	2.28	0.179	0.804	4.37	10.0
Sulfate	20.00	46.00	32.00	18.00	21.00	13.00	940.00	32.00	250.0
Alkalinity	42.80	82.80	46.40	38.20	52.40	22.80	101.00	45.60	NS/GV
TDS	180.00	390.00	260.00	170.00	200.00	120.00	14,000.00	260.00	NS/GV
Hardness	76.30	139.00	110.00	69.30	91.00	50.50	2,050.00	112.00	NS/GV

Note:

ND(): Compound not detected at the reporting 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

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

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

Parameter	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)

[illegible]

SW-1 (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	1.30 J	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	1.30 J	1.30 J	1.20 J	1.20 J	0.72J	1.00 J	0.93 J	1.20	1.10
Toluene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

SW-1 (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(5.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	0.99 J	1.10 J							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

Leachate Indicators (mg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Ammonia	0.24	0.063	0.19	0.214	0.167	0.113	0.081	0.190	0.054 J
Bicarbonate	36.00	38.00	27.00	37.000	35.00	38.00	35.00	35.30	34.80
Chloride	58.00	56.00	50.00	52.000	53.00	56.00	70.00	72.00	72.00
Nitrate	3.00	3.00	2.50	2.600	3.47	3.03	3.46	2.69	3.83
Sulfate	21.00	20.00	21.00	23.000	23.00	23.00	25.00	23.00	25.00
Alkalinity	36.00	38.00	27.00	37.000	35.00	38.00	35.00	35.30	34.80
TDS	190.00	190.00	170.00	170.000	170.00	180.00	220.00	210.00	200.00
Hardness	84.40	76.90	77.00	81.000	84.00	74.00	83.00	77.00	75.00

SW-1 (continued)

Leachate Indicators (mg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Ammonia	0.077	0.109	0.055 J	0.04 J	0.192	0.142	0.116	0.087	0.08
Bicarbonate	37.700	35.900	39.40	37.10	47.60	42.20	43.50	39.70	40.40
Chloride	75.000	66.000	72.00	67.00	78.00	74.00	71.00	61.00	61.00
Nitrate	3.840	3.210	3.41	2.92	0.87	2.39	2.91	3.12	2.99
Sulfate	26.000	25.000	25.00	27.00	26.00	21.00	22.00	24.00	20.00
Alkalinity	37.700	35.900	39.40	37.10	47.60	42.20	43.50	39.70	40.40
TDS	220.000	240.000	200.00	170.00	190.00	210.00	230.00	210.00	150.00
Hardness	86.000	83.000	86.00	94.00	79.30	82.50	78.00	78.70	73.60

Leachate Indicators (mg/l)	6/20	10/20							
Ammonia	0.175	0.149							
Bicarbonate	41.50	42.80							
Chloride	56.00	62.00							
Nitrate	2.53	2.94							
Sulfate	18.00	20.00							
Alkalinity	41.50	42.80							
TDS	200.00	180.00							
Hardness	86.10	76.30							

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

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)

SW-2 (continued)

Parameter	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Chloromethane	ND(5.00)	ND(2.00)	ND(5.00)	ND(10.00)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(2.00)	ND(5.00)	1.60 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(5.00)	ND(1.00)	ND(5.00)	ND(2.00)	ND(2.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(5.00)	ND(2.00)	ND(5.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(3.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(1.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(5.00)	ND(1.00)	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(5.00)	ND(2.00)	ND(5.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(5.00)	ND(2.00)	ND(5.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(5.00)	ND(2.00)	ND(5.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,2-Dichloroethane	ND(5.00)	ND(2.00)	ND(5.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(5.00)	ND(2.00)	ND(5.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(5.00)	ND(1.00)	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(5.00)	ND(1.00)	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(5.00)	ND(1.00)	ND(5.00)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(5.00)	ND(1.00)	ND(5.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(5.00)	0.50 J	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0.34 J	ND(1.00)
Benzene	ND(5.00)	ND(0.70)	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(5.00)	ND(1.00)	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(5.00)	ND(1.00)	ND(5.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(5.00)	ND(2.00)	ND(5.00)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(5.00)	NA	ND(5.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(5.00)	ND(1.00)	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(5.00)	ND(1.00)	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(5.00)	ND(1.00)	1.5	1.80	1.90	2.00	1.30 J	1.60	1.60
Toluene	6.80	ND(2.00)	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(5.00)	ND(2.00)	ND(5.00)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(5.00)	ND(1.00)	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(2.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(2.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(2.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	NA	NA	ND(10.00)	4.10 J	13.00	ND(10.0)	ND(10.00)	ND(10.00)	1.80 J
Tert-Butyl Alcohol	NA	NA	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	NA	NA	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0.39 J	ND(1.00)	0.56 J

SW-2 (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	1.40 J	1.30 J	1.20 J	1.50	1.50	0.85 J	0.66 J	0.66 J	0.58 J
Toluene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	0.60 J	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	0.28 J	0.31 J
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

SW-2 (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(5.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	0.63 J	0.71 J							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	0.34 J	0.27 J							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

Leachate Indicators (mg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Ammonia	1.80	0.120	0.16	0.208	0.074 J	0.071 J	0.092	0.123	0.047 J
Bicarbonate	62.00	70.00	75.00	82.000	73.00	79.00	74.00	82.70	87.50
Chloride	82.00	69.00	78.00	68.000	90.00	90.00	98.00	93.00	210.00
Nitrate	0.17	1.40	0.96	1.300	1.84	2.06	1.95	1.59	2.30
Sulfate	48.00	33.00	38.00	42.000	47.00	49.00	46.00	43.00	59.00
Alkalinity	62.00	70.00	75.00	82.000	73.00	79.00	74.00	82.70	87.50
TDS	260.00	260.00	280.00	270.000	320.00	320.00	320.00	320.00	520.00
Hardness	137.00	111.00	130.00	140.000	130.00	140.00	130.00	140.00	170.00

SW-2 (continued)

Leachate Indicators (mg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Ammonia	0.102	0.057 J	0.09	0.047 J	0.133	0.171	0.051 J	0.049 J	0.073 J
Bicarbonate	90.700	79.500	87.40	83.00	84.90	86.30	85.50	71.60	83.40
Chloride	460.000	81.000	110.00	96.00	120.00	210.00	220.00	93.00	240.00
Nitrate	2.010	2.000	2.06	1.92	2.17	2.14	2.05	1.98	2.23
Sulfate	80.000	51.000	51.00	47.00	54.00	52.00	63.00	35.00	57.00
Alkalinity	90.700	79.500	87.40	83.00	84.90	86.30	85.50	71.60	83.40
TDS	890.000	320.000	340.00	270.00	320.00	560.00	560.00	370.00	590.00
Hardness	240.000	130.000	150.00	140.00	139.00	175.00	167.00	117.00	175.00

Leachate Indicators (mg/l)	6/20	10/20							
Ammonia	0.095	0.072 J							
Bicarbonate	88.90	82.80							
Chloride	81.00	140.00							
Nitrate	1.80	2.04							
Sulfate	36.00	46.00							
Alkalinity	88.90	82.80							
TDS	330.00	390.00							
Hardness	133.00	139.00							

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

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

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)

[illegible]

SW-3 (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	0.56J	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	1.50	1.80	2.10	1.60	1.70	2.00	1.60	1.80 J	1.70
Toluene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	0.18 J	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

SW-3 (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(5.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	0.44 J	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	1.10	1.70							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

Leachate Indicators (mg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Ammonia	0.27	ND(0.02)	0.10	0.104	0.057 J	0.051 J	0.107	0.093	ND(0.075)
Bicarbonate	29.00	23.00	33.00	33.000	33.00	31.00	31.30	34.70	33.20
Chloride	44.00	41.00	53.00	50.000	54.00	50.00	70.00	56.00	72.00
Nitrate	4.40	4.60	4.10	4.500	5.07	4.75	4.83	3.62	5.10
Sulfate	23.00	17.00	21.00	24.000	29.00	25.00	28.00	26.00	27.00
Alkalinity	29.00	23.00	33.00	33.000	33.00	31.00	31.30	34.70	33.20
TDS	180.00	160.00	190.00	170.000	220.00	170.00	220.00	200.00	220.00
Hardness	87.60	66.50	94.00	96.000	86.00	83.00	87.00	86.00	85.00

SW-3 (continued)

Leachate Indicators (mg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Ammonia	0.032 J	0.057 J	0.032 J	0.027 J	ND(0.075)	0.062 J	0.032 J	0.030 J	0.19
Bicarbonate	33.900	24.400	36.40	35.30	35.80	44.90	48.00	44.80	47.00
Chloride	59.000	58.000	59.00	70.00	63.00	86.00	76.00	68.00	70.00
Nitrate	4.960	5.180	4.76	4.53	4.74	4.36	4.16	4.18	4.29
Sulfate	28.000	26.000	29.00	33.00	30.00	32.00	36.00	31.00	31.00
Alkalinity	33.900	24.400	36.40	35.30	35.80	44.90	48.00	44.80	47.00
TDS	170.000	220.000	190.00	190.00	190.00	280.00	210.00	280.00	200.00
Hardness	90.000	95.000	98.00	110.00	94.00	114.00	116.00	108.00	114.00

Leachate Indicators (mg/l)	6/20	10/20							
Ammonia	0.053 J	0.062 J							
Bicarbonate	32.80	46.40							
Chloride	62.00	74.00							
Nitrate	4.58	4.28							
Sulfate	25.00	32.00							
Alkalinity	32.80	46.40							
TDS	250.00	260.00							
Hardness	91.80	110.00							

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

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

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)

[illegible]

SW-4 (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	1.50 J	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	2.10	2.40	ND(1.5)	2.10	2.40	1.10 J	0.84 J	0.95 J	0.86 J
Toluene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

SW-4 (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(5.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	0.92 J	0.92 J							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

Leachate Indicators (mg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Ammonia	0.11	0.057	0.067 J	0.063 J	ND(0.075)	ND(0.075)	0.032 J	0.134	ND(0.075)
Bicarbonate	39.00	40.00	43.00	36.000	42.00	45.00	44.10	45.70	44.90
Chloride	63.00	57.00	68.00	52.000	75.00	59.00	110.00	72.00	110.00
Nitrate	3.80	3.00	3.50	4.200	4.34	3.99	4.13	3.04	4.42
Sulfate	28.00	20.00	28.00	25.000	31.00	31.00	34.00	32.00	33.00
Alkalinity	39.00	40.00	43.00	36.000	42.00	45.00	44.10	45.70	44.90
TDS	220.00	200.00	240.00	180.000	250.00	220.00	330.00	250.00	280.00
Hardness	119.00	77.70	120.00	99.000	100.00	110.00	120.00	110.00	120.00

SW-4 (continued)

Leachate Indicators (mg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Ammonia	0.028 J	0.041 J	ND(0.075)	0.063 J	ND(0.075)	0.12	0.16	0.08	0.062 J
Bicarbonate	46.600	45.200	47.60	46.70	48.00	43.90	43.90	41.40	44.80
Chloride	130.000	77.000	71.00	86.00	76.00	80.00	74.00	64.00	63.00
Nitrate	4.180	4.000	4.07	3.90	4.08	2.56	2.91	2.98	2.82
Sulfate	37.000	32.000	35.00	35.00	34.00	21.00	24.00	22.00	21.00
Alkalinity	46.600	45.200	47.60	46.70	48.00	43.90	43.90	41.40	44.80
TDS	330.000	260.000	230.00	240.00	210.00	240.00	230.00	260.00	180.00
Hardness	120.000	110.000	120.00	130.00	113.00	84.40	80.00	77.40	77.10

Leachate Indicators (mg/l)	6/20	10/20							
Ammonia	0.112	0.121							
Bicarbonate	45.50	38.20							
Chloride	64.00	55.00							
Nitrate	2.48	2.82							
Sulfate	18.00	18.00							
Alkalinity	45.50	38.20							
TDS	220.00	170.00							
Hardness	81.70	69.30							

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

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)

[illegible]

SW-5 (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	1.20 J	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	1.10 J	2.10	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	1.10	0.27 J
Toluene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	0.48 J	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

SW-5 (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(5.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	0.38 J	0.44 J							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

Leachate Indicators (mg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Ammonia	0.18	0.160	0.14	0.195	0.074 J	0.200	0.091	0.274	0.029 J
Bicarbonate	99.00	100.00	96.00	54.000	71.00	47.00	51.00	44.20	49.80
Chloride	110.00	98.00	83.00	60.000	140.00	54.00	89.00	69.00	80.00
Nitrate	1.30	2.20	1.10	1.800	2.19	2.50	2.46	ND(0.100)	2.78
Sulfate	39.00	39.00	25.00	29.000	64.00	24.00	31.00	24.00	27.00
Alkalinity	99.00	100.00	96.00	54.000	71.00	47.00	51.00	44.20	49.80
TDS	340.00	340.00	290.00	210.000	420.00	200.00	260.00	220.00	250.00
Hardness	194.00	161.00	150.00	100.000	130.00	86.00	96.00	86.00	86.00

SW-5 (continued)

Leachate Indicators (mg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Ammonia	0.140	0.091	0.069 J	0.105	0.172	0.080	0.194	0.111	0.069 J
Bicarbonate	45.500	85.900	50.10	28.40	65.30	56.10	55.10	71.70	54.30
Chloride	70.000	200.000	96.00	1,500.00	160.00	120.00	78.00	130.00	62.00
Nitrate	2.600	2.160	2.01	1.13	1.56	1.71	2.45	2.55	2.36
Sulfate	25.000	66.000	33.00	250.00	36.00	31.00	27.00	51.00	23.00
Alkalinity	45.500	85.900	50.10	28.40	65.30	56.10	55.10	71.70	54.30
TDS	220.000	560.000	260.00	3,000.00	420.00	360.00	240.00	460.00	190.00
Hardness	89.000	190.000	100.00	450.00	159.00	101.00	88.80	154.00	88.10

Leachate Indicators (mg/l)	6/20	10/20							
Ammonia	0.069 J	0.087							
Bicarbonate	54.30	52.40							
Chloride	62.00	60.00							
Nitrate	2.36	2.28							
Sulfate	23.00	21.00							
Alkalinity	54.30	52.40							
TDS	190.00	200.00							
Hardness	90.80	91.00							

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

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

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)

[illegible]

SW-6 (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	4.30 J	2.40 J	ND(10.00)
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

SW-6 (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(5.00)							
Trichloroflouromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	ND(1.50)	ND(1.50)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	2.7 J	2.4 J							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

Leachate Indicators (mg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Ammonia	0.44	0.310	0.051 J	0.151	0.074 J	0.053 J	0.030 J	0.184	0.087
Bicarbonate	59.00	43.00	53.00	48.000	43.00	49.00	30.60	43.90	44.20
Chloride	97.00	71.00	84.00	52.000	150.00	80.00	220.00	66.00	250.00
Nitrate	0.60	0.72	0.47	0.190	0.28	0.022 J	0.29	ND(0.100)	1.02
Sulfate	21.00	12.00	12.00	14.000	36.00	16.00	20.00	10.00	21.00
Alkalinity	59.00	43.00	53.00	48.000	43.00	49.00	30.60	43.90	44.20
TDS	250.00	200.00	240.00	160.000	370.00	200.00	440.00	160.00	470.00
Hardness	95.00	58.20	78.00	68.000	91.00	77.00	78.00	52.00	82.00

SW-6 (continued)

Leachate Indicators (mg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Ammonia	0.028 J	0.160	0.108	0.059 J	0.056 J	0.051 J	0.13	0.060 J	0.14
Bicarbonate	29.800	41.600	16.70	91.20	27.10	39.60	40.40	45.20	59.60
Chloride	70.000	160.000	33.00	180.00	43.00	220.00	140.00	240.00	96.00
Nitrate	ND(0.100)	0.144	0.53	ND(0.10)	ND(0.1)	ND(0.10)	0.96	0.95	0.58
Sulfate	22.000	17.000	44.00	14.00	4.00 J	15.00	16.00	20.00	18.00
Alkalinity	29.800	41.600	16.70	91.20	27.10	39.60	40.40	45.20	59.60
TDS	170.000	360.000	110.00	350.00	95.00	470.00	320.00	550.00	220.00
Hardness	55.000	69.000	45.00	40.00	28.00	80.80	52.80	82.00	79.00

Leachate Indicators (mg/l)	6/20	10/20							
Ammonia	0.139	0.085							
Bicarbonate	59.60	22.80							
Chloride	96.00	47.00							
Nitrate	0.58	0.179							
Sulfate	18.00	13.00							
Alkalinity	59.60	22.80							
TDS	220.00	120.00							
Hardness	77.40	50.50							

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

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

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)

[illegible]

SW-7 (continued)

Parameter	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Chloromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Methylene Chloride	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Chloroform	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.0)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)
Carbon Tetrachloride	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Bromodichloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichloropropane	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Trichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Benzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Dibromochloromethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)
Bromoform	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.5)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)
Toluene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Chlorobenzene	ND(3.50)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.5)	ND(3.50)	ND(3.50)	ND(3.50)	ND(3.50)
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Acetone	ND(10.00)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.0)	ND(10.00)	ND(10.00)	2.5 J	2.5 J
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.0)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Methyl Tert Butyl Ether	NA	NA	NA	NA	ND(10.0)	NA	NA	NA	NA

SW-7 (continued)

Parameter	6/20	10/20							
Chloromethane	ND(5.00)	ND(5.00)							
Bromomethane	ND(5.00)	ND(5.00)							
Vinyl Chloride	ND(1.00)	ND(1.00)							
Chloroethane	ND(2.00)	ND(2.00)							
Methylene Chloride	ND(5.00)	ND(5.00)							
Trichlorofluoromethane	ND(5.00)	ND(5.00)							
1,1-Dichloroethene	ND(1.00)	ND(1.00)							
1,1-Dichloroethane	ND(1.50)	ND(1.50)							
*1,2-Dichloroethene, Total	ND(1.50)	ND(1.50)							
Chloroform	ND(1.00)	ND(1.00)							
1,2-Dichloroethane	ND(1.50)	ND(1.50)							
1,1,1-Trichloroethane	ND(2.00)	ND(2.00)							
Carbon Tetrachloride	ND(1.00)	ND(1.00)							
Bromodichloromethane	ND(1.00)	ND(1.00)							
1,2-Dichloropropane	ND(3.50)	ND(3.50)							
cis-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
Trichloroethene	ND(1.00)	ND(1.00)							
Benzene	ND(1.00)	ND(1.00)							
Dibromochloromethane	ND(1.00)	ND(1.00)							
trans-1,3-Dichloropropene	ND(1.50)	ND(1.50)							
1,1,2-Trichloroethane	ND(1.50)	ND(1.50)							
2-Chloroethylvinyl ether	ND(10.00)	ND(10.00)							
Bromoform	ND(1.00)	ND(1.00)							
1,1,2,2-Tetrachloroethane	ND(1.00)	ND(1.00)							
Tetrachloroethene	ND(1.50)	ND(1.50)							
Toluene	ND(1.00)	ND(1.00)							
Chlorobenzene	ND(3.50)	ND(3.50)							
Ethylbenzene	ND(1.00)	ND(1.00)							
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)							
1,4-Dichlorobenzene	ND(5.00)	ND(5.00)							
Acetone	ND(10.00)	ND(10.00)							
Tert-Butyl Alcohol	ND(100.00)	ND(100.00)							
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)							
Methyl Tert Butyl Ether	ND(10.00)	ND(10.00)							

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

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

Leachate Indicators (mg/l)	6/10	10/11	5/12	9/12	5/13	10/13	4/14	9/14	4/15
Ammonia	0.07	0.200	0.18	0.128	0.097	0.279	0.083	0.288	0.028 J
Bicarbonate	41.00	63.00	61.00	49.000	93.00	78.00	83.10	75.60	87.80
Chloride	500.00	3,000.00	2,900.00	1,300.000	12,000.00	6,900.00	4,400.00	7,800.00	13,000.00
Nitrate	2.30	0.36	2.10	0.590	0.21	0.64	0.92	ND(0.100)	0.30
Sulfate	77.00	420.00	310.00	190.000	1,800.00	1,100.00	1,200.00	1,200.00	1,800.00
Alkalinity	41.00	63.00	61.00	49.000	93.00	78.00	83.10	75.60	87.80
TDS	940.00	6,000.00	5,300.00	2,500.000	25,000.00	14,000.00	14,000.00	16,000.00	23,000.00
Hardness	210.00	1,030.00	810.00	570.000	3,300.00	1,100.00	1,600.00	2,100.00	2,800.00

SW-7 (continued)

Leachate Indicators (mg/l)	9/15	5/16	9/16	4/17	9/17	6/18	11/18	4/19	9/19
Ammonia	0.178	0.111	0.193	0.106	0.165	0.102	0.061 J	0.111	ND(0.075)
Bicarbonate	98.900	92.000	90.40	77.00	85.20	89.30	95.70	92.20	45.40
Chloride	14,000.000	11,000.000	11,000.00	6,800.00	8,400.00	9,100.00	11,000.00	11,000.00	1000.00
Nitrate	0.214	0.276	0.46	0.54	0.54	0.16	0.26	0.21	1.05
Sulfate	1,600.000	1,600.000	1,600.00	1,000.00	1,200.00	1,300.00	1,600.00	1,700.00	150.00
Alkalinity	98.900	92.000	90.40	77.00	85.20	89.30	95.70	92.20	45.40
TDS	27,000.000	23,000.000	22000.00	13,000.00	15,000.00	18,000.00	25,000.00	22,000.00	2100.00
Hardness	3,500.000	3,500.000	3200.00	1,900.00	2,260.00	2,740.00	3,370.00	3,240.00	346.00

Leachate Indicators (mg/l)	6/20	10/20							
Ammonia	0.159	0.211							
Bicarbonate	92.80	101.00							
Chloride	9,600.00	8,000.00							
Nitrate	0.302	0.804							
Sulfate	1,300.00	940.00							
Alkalinity	92.80	101.00							
TDS	19,000.00	14,000.00							
Hardness	3,370.00	2,050.00							

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

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

APPENDIX E

FIELD OBSERVATION LOGS

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/14/2022

WELL ID: CW1-M Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) 104.60'
Initial static water level (feet from top of casing) 59.36'
Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump X Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
3 in. casing: _____ ft. of water x 0.36 = _____ gallons
6 in. casing: 45.24 ft. of water x 1.47 = 68 gallons

volume of water removed: _____ gal. >3 volumes: yes X no _____ purged dry? yes _____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	7.05	16.72	0.113	0.0	0.00	-72	0.1
100	7.40	16.64	0.112	0.0	0.00	-94	0.1
150	7.65	16.67	0.112	0.0	0.00	-107	0.1
200	7.85	16.68	0.111	0.0	0.00	-117	0.1
250	7.87	16.69	0.111	0.0	0.00	-120	0.1
300	7.90	16.76	0.111	0.0	0.00	-121	0.1
350	7.94	16.74	0.110	0.0	0.00	-122	0.1

Purging Rate: 5 GPM Purging Time: 70 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 9:40 a.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
X Disposable bailer
_____ Dedicated pump

Analyses (Pace Analytical Laboratory)

X VOCs
X Metals
X Leachate Parameters

Observations

Weather/Temperature: Sunny, 43 F

Sample description: Clear, no odor

Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/14/2022

WELL ID: CW1-S Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) 77.40'
Initial static water level (feet from top of casing) 59.34'
Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump X Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons
6 in. casing: 18.06 ft. of water x 1.47 = 27 gallons

volume of water removed: _____ gal. >3 volumes: yes x no _____ purged dry? yes _____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	7.66	16.17	0.295	0.0	0.0	-116	0.1
40	7.63	17.02	0.296	0.0	0.0	-145	0.1
80	7.68	17.09	0.299	0.0	0.0	-150	0.1
120	7.85	17.12	0.301	0.0	0.0	-157	0.1
160	7.92	17.12	0.304	0.0	0.0	-161	0.1
200	7.96	17.14	0.306	0.0	0.0	-162	0.1

Purging Rate: 4 GPM Purging Time: 55 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 11:32 a.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
X Disposable bailer
_____ Dedicated pump

Analyses (Pace Analytical Laboratory)

X VOCs
X Metals
X Leachate
X Parameters

Observations

Weather/Temperature: Sunny, 43 F

Sample description: Clear, no odor

Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/15/2022

WELL ID: CW2-M Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) 116.51'
Initial static water level (feet from top of casing) 80.33'
Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump X Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: 36.18 ft. of water x 0.65 = 24 gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____ gal. >3 volumes: yes X no _____ purged dry? yes _____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	8.78	13.04	0.107	0.0	5.61	91	0.0
20	8.20	13.14	0.105	0.0	2.10	88	0.0
40	6.77	13.24	0.097	0.0	0.00	86	0.0
60	6.40	13.26	0.095	0.0	0.00	104	0.0
80	6.37	13.25	0.091	0.0	0.00	108	0.0
100	6.36	13.25	0.090	0.0	0.00	109	0.0
120	6.35	13.26	0.090	0.0	0.00	110	0.0

Purging Rate: 4 GPM Purging Time: 45 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 2:30 p.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
X Disposable bailer
_____ Dedicated pump

Analyses (Pace Analytical Laboratory)

X VOCs
X Metals
X Leachate
X Parameters

Observations

Weather/Temperature: Cloudy, 40 F

Sample description: Clear, no odor

Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/14/2022

WELL ID: CW4-M Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) 147.45'
Initial static water level (feet from top of casing) 95.30'
Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump X Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: 52.15 ft. of water x 0.65 = 34 gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____ gal. >3 volumes: yes X no _____ purged dry? yes _____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	8.71	13.70	0.113	0.0	9.44	120	0.1
25	7.28	13.45	0.115	0.0	10.56	152	0.1
50	7.18	13.35	0.115	0.0	9.75	164	0.1
75	7.11	13.25	0.116	0.0	9.32	174	0.1
100	7.04	13.20	0.116	0.0	7.42	178	0.1
125	6.94	13.20	0.116	0.0	7.12	184	0.1
150	6.92	13.22	0.115	0.0	6.96	189	0.1
175	6.89	13.22	0.115	0.0	7.00	193	0.1

Purging Rate: 2.5 GPM Purging Time: 70 min Sampling Rate: NA
Well headspace PID =0.0 ppm

Sampling

Time of Sample Collection: 2:00 p.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
X Disposable bailer
_____ Dedicated pump

Analyses (Pace Analytical Laboratory)

X VOCs
X Metals
X Leachate
X Parameters

Observations

Weather/Temperature: Sunny, 43 F

Sample description: Clear, no odor

Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/14/2022

WELL ID: CW4-S Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) 117.10'
Initial static water level (feet from top of casing) 95.45'
Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump X Bladder Pump _____
(Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: 21.65 ft. of water x 0.65 = 14 gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____
60 gal. >3 volumes: yes X no _____ purged dry? almost X no _____

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	7.71	13.35	0.098	0.0	1.28	154	0.0
10	7.26	14.16	0.079	0.0	0.00	131	0.0
20	7.17	14.35	0.078	0.0	0.00	108	0.0
30	7.00	14.76	0.086	0.0	0.00	92	0.0
40	6.90	15.05	0.089	0.0	0.00	99	0.0
50	6.90	15.15	0.098	0.0	0.00	108	0.0
60	6.90	15.21	0.101	0.0	0.00	119	0.0

Purging Rate: 1 GPM Purging Time: 60 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 3:25 p.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
X Disposable bailer
_____ Dedicated pump

Analyses (Pace Analytical Laboratory)

X VOCs
X Metals
X Leachate
X Parameters

Observations

Weather/Temperature: Sunny, 43 F
Sample description: Clear, no odor
Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/17/2022

WELL ID: EN1-M Time On-site: _____ Time Off-site: _____
SAMPLERS: KR

175.60'

Depth of well (feet from top of casing)

Initial static water level (feet from top of casing) 69.11'

Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump _____ Bladder _____
Pump (Low Flow) X

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons

4 in. casing: 106.49 ft. of water x 0.65 = 69 gallons

6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed:

12.5 liters.

>3 volumes: yes _____

no X

purged dry? yes _____

no X

Field Tests

Volume of Purge Water (mL)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	6.47	11.27	0.129	0.0	6.53	156	0.1
1,250	6.38	11.32	0.127	0.0	7.74	160	0.1
2,500	6.34	11.34	0.126	0.0	7.64	162	0.1
3,750	6.30	11.24	0.126	0.0	7.17	164	0.1
5,000	6.26	11.31	0.127	0.0	7.97	166	0.1
6,250	6.21	11.29	0.126	0.0	8.09	177	0.1
7,500	6.20	11.23	0.125	0.0	7.83	171	0.1
8,750	6.18	11.37	0.124	0.0	7.95	173	0.1
10,000	6.19	11.27	0.124	0.0	7.86	173	0.1
11,250	6.19	11.34	0.123	0.0	7.87	174	0.1
12,500	6.20	11.41	0.124	0.0	7.74	172	0.1

Purging Rate:

250 ml/m

Purging Time:

60 min

Sampling Rate: 250 ml/m

Well head space PID = 0.0 ppm

Sampling

Time of Sample Collection: 1:30 p.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
_____ Disposable bailer

Analyses (Pace Analytical Laboratory)

X VOCs
X Metals
X Leachate
X Parameters
X PFAS and 1,4-Dioxane

X Low flow bladder pump

Observations

Weather/Temperature: Sunny, 40F

Sample description: Clear, no odor

Free Product? yes _____ no X describe _____

Sheen? yes _____ no X describe _____

Odor? yes _____ no X describe _____

Note: Collected MS/MSD samples

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/15/2022

WELL ID: EN6-M Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) 174.00'
Initial static water level (feet from top of casing) 96.70'
Approximate Pump Inlet (feet from top of casing)..... _____

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump X Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: 77.30 ft. of water x 0.65 = 50 gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____ gal. >3 volumes: yes X no _____ purged dry? yes _____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
40	6.67	11.67	0.211	0.0	1.24	146	0.1
80	6.64	11.75	0.211	0.0	1.21	161	0.1
120	6.69	11.79	0.212	0.0	1.10	168	0.1
160	6.71	11.81	0.212	0.0	1.15	175	0.1
200	6.74	11.82	0.212	0.0	1.01	175	0.1
240	6.74	11.84	0.213	0.0	1.06	177	0.1

Purging Rate: 4 GPM Purging Time: 60 min Sampling Rate: NA
well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 9:15 a.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
X Disposable bailer
_____ Dedicated pump

Analyses (Pace Analytical Laboratory)

X VOCs
X Metals
X Leachate
X Parameters

Observations

Weather/Temperature: Cloudy, 40 F

Sample description: Slightly cloudy, no odor

Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/15/2022

WELL ID: EN6-S Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) 113.70'
Initial static water level (feet from top of casing) 97.80'
Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump X Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: 15.9 ft. of water x 0.65 = 10 gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____ gal. >3 volumes: yes X no _____ purged dry? yes _____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	6.12	11.74	0.155	0.0	8.71	216	0.1
10	5.70	11.87	0.155	0.0	8.61	221	0.1
20	5.66	11.89	0.156	0.0	8.42	222	0.1
30	5.63	11.93	0.156	0.0	8.31	224	0.1
40	5.63	11.94	0.157	0.0	8.32	232	0.1
50	5.65	11.97	0.157	0.0	8.33	239	0.1
60	5.66	11.97	0.158	0.0	8.23	239	0.1

Purging Rate: 2.5 GPM Purging Time: 30 min Sampling Rate: NA
Well head space PID = 0.0 ppm

Sampling

Time of Sample Collection: 10:25 a.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
X Disposable bailer
_____ Dedicated pump

Analyses (Pace Analytical Laboratory)

X VOCs
X Metals
X Leachate
X Parameters

Observations

Weather/Temperature: Cloudy, 40 F
Sample description: Clear, no odor
Free Product? yes _____ No X describe _____
Sheen? yes _____ No X describe _____
Odor? yes _____ No X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/16/2022

WELL ID: EN7-M Time On-site: _____ Time Off-site: _____

SAMPLERS: KR

Depth of well (feet from top of casing) 223.74'

Initial static water level (feet from top of casing) 26.61'

Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump _____ Bladder Pump _____
(Low Flow) X

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons

4 in. casing: 197.13 ft. of water x 0.65 = 128 gallons

6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed:
20 liters.

>3 volumes: yes _____

no X

purged dry? yes _____

no X

Field Tests

Volume of Purge Water (liters)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	7.32	12.09	0.523	90.1	0.00	-56	0.3
2.5	7.35	11.99	0.544	0.0	0.00	-58	0.3
5	7.32	11.93	0.551	0.0	0.00	-57	0.3
7.5	7.30	11.93	0.556	0.0	0.00	-53	0.3
10	7.29	11.94	0.556	0.0	0.00	-56	0.3
12.5	7.28	11.87	0.556	0.0	0.00	-55	0.3
15	7.30	11.87	0.556	0.0	0.00	-56	0.3
17.5	7.30	11.84	0.557	0.0	0.00	-56	0.3
20	7.33	11.79	0.557	0.0	0.00	-57	0.0

Sampling

Time of Sample Collection: 3:30 p.m. purging rate = 500ml/m
sampling rate= 500 ml/m, Purge time = 45 min

Method: _____ Analyses (Pace Analytical Laboratory)

_____ Submersible Pump X VOCs

_____ In-Line Filter (Diss. Metals)

Well headspace PID = 0.0 ppm

_____ Pos. Disp. Pump X Metals

_____ Disposable bailer X Leachate

_____ X Low flow bladder pump X Parameters

_____ X PFAS and 1,4-Dioxane

Observations

Weather/Temperature: Mostly cloudy, 50F

Sample description: Clear, no odor

Free Product? yes _____ no X describe _____

Sheen? yes _____ no X describe _____

Odor? yes _____ no X describe _____

Note: Collected Blind Duplicate at well EN7-M

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/15/2022

WELL ID: EN9-M Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) 133.60'
Initial static water level (feet from top of casing) 27.61'
Approximate Pump Inlet (feet from top of casing)..... _____

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump X Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: 105.99 ft. of water x 0.65 = 69 gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____ gal. >3 volumes: yes X no _____ purged dry? yes _____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	9.15	10.78	0.252	0.0	5.13	115	0.1
50	7.18	10.75	0.300	0.0	4.76	170	0.1
100	7.07	10.76	0.311	0.0	4.96	179	0.1
150	7.04	10.76	0.315	0.0	4.99	183	0.1
200	7.02	10.76	0.318	0.0	5.04	187	0.1
250	7.03	10.76	0.318	0.0	4.96	189	0.1
300	7.03	10.75	0.316	0.0	4.86	190	0.1
350	7.03	10.76	0.313	0.0	4.75	191	0.1

Purging Rate: 5 GPM Purging Time: 70 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 12:45 p.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
X Disposable bailer
_____ Dedicated pump

Analyses (Pace Analytical Laboratory)

X VOCs
X Metals
X Leachate Parameters

Observations

Weather/Temperature: Cloudy, 40 F

Sample description: Clear, no odor

Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/17/2022

WELL ID: EN10-M Time On-site: _____ Time Off-site: _____

SAMPLERS: KR
 Depth of well (feet from top of casing) 416.00'
 Initial static water level (feet from top of casing) 223.66'
 Approximate Pump Inlet (feet from top of casing)..... _____

Purging Method Well Volume Calculation:
 Airlift _____ Centrifugal _____ 2 in. casing: _____ ft. of water x 0.16 = _____ gallons
 Bailer _____ Pos. Displ. _____ 4 in. casing: 192.34 ft. of water x 0.65 = 125 gallons
 Submersible _____ Disposable _____ 6 in. casing: _____ ft. of water x 1.47 = _____ gallons
 Pump X Bladder Pump _____
 (Low Flow) _____

volume of water removed: _____
500 gal. >3 volumes: yes X no _____ purged dry? yes _____ no X

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	5.98	12.71	0.064	9.1	4.51	247	0.1
50	3.75	14.35	0.200	0.2	7.22	350	0.1
100	3.45	14.11	0.169	5.7	6.29	357	0.1
150	3.52	14.29	0.207	2.6	8.36	360	0.1
200	3.52	14.30	0.210	2.3	8.68	367	0.1
250	3.52	14.23	0.209	2.2	7.62	375	0.1
300	3.52	14.28	0.210	1.7	7.55	379	0.1
350	3.56	14.35	0.210	1.5	7.77	386	0.1
400	3.58	14.35	0.210	1.5	8.05	388	0.1
450	3.60	14.23	0.210	1.3	8.06	388	0.1
500	3.60	14.29	0.210	1.3	8.06	392	0.1

Purging Rate: 1.25 GPM Purging Time: 6 hours, 20 min Sampling Rate: NA
 Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 4:00 p.m.
 Method: _____ Analyses (Pace Analytical Laboratory)
 _____ Submersible Pump X VOCs
 _____ In-Line Filter (Diss. Metals) _____
 _____ Pos. Disp. Pump X Metals
X Stainless Steel bailer _____ Leachate
 _____ Dedicated pump X Parameters
 _____ PFAS and 1,4-Dioxane

Observations

Weather/Temperature: Sunny, 40 F
 Sample description: Clear, no odor
 Free Product? yes _____ no X describe _____
 Sheen? yes _____ no X describe _____
 Odor? yes _____ no X describe _____

**EAST NORTHPORT LANDFILL SAMPLING
FIELD OBSERVATION LOG
SURFACE WATER SAMPLING RECORD**

SITE East Northport Landfill DATE 11/21/2022

WELL ID: SW-1 Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) Surface Water
Initial static water level (feet from top of casing) NA
Approximate Pump Inlet (feet from top of casing)

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump _____ Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____
NA gal. >3 volumes: yes _____ no _____ purged dry? yes _____ no _____

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Sample	6.28	6.74	0.317	8.5	9.75	235	0.1

Purging Rate: _____ Purging Time: _____ Sampling Rate: NA
_____ Grab sample

Sampling

Time of Sample Collection: 11:45 a.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
_____ Disposable bailer
_____ Hand Dipper

Analyses (Pace Analytical Laboratory)

X VOCs
 Leachate
X Parameters

Observations

Weather/Temperature: Sunny, cold, 35 F
Sample description: Clear, no odor
Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG SURFACE WATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/21/2022

WELL ID: SW-2 Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) Surface Water
Initial static water level (feet from top of casing) NA
Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump _____ Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____
NA gal. >3 volumes: yes _____ no _____ purged dry? yes _____ no _____

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Sample	6.90	7.82	0.407	0.7	0.75	194	0.2

Purging Rate: _____ Purging Time: _____ Sampling Rate: NA
_____ Grab sample

Sampling

Time of Sample Collection: 1:25 p.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
_____ Disposable bailer
_____ Hand Dipper

Analyses (Pace Analytical Laboratory)

X VOCs
_____ Leachate
X Parameters

Observations

Weather/Temperature: Sunny, cold 35 F

Sample description: Clear, no odor

Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG SURFACE WATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/21/2022

WELL ID: SW-3 Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) Surface Water
Initial static water level (feet from top of casing) NA
Approximate Pump Inlet (feet from top of casing)

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump _____ Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____
NA gal. >3 volumes: yes _____ no _____ purged dry? yes _____ no _____

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Sample	6.44	9.82	0.370	9.8	8.40	246	0.2

Purging Rate: _____ Purging Time: _____ Sampling Rate: NA
_____ Grab sample

Sampling

Time of Sample Collection: 2:00 p.m.

Method: _____ Analyses (Pace Analytical Laboratory)
_____ Submersible Pump X VOCs
_____ In-Line Filter (Diss. Metals) _____
_____ Pos. Disp. Pump _____
_____ Disposable bailer _____ Leachate
_____ X Hand Dipper _____ Parameters

Observations

Weather/Temperature: Sunny, cold 35 F
Sample description: Clear, no odor
Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

**EAST NORTHPORT LANDFILL SAMPLING
FIELD OBSERVATION LOG
SURFACE WATER SAMPLING RECORD**

SITE East Northport Landfill DATE 11/21/2022

WELL ID: SW-4 Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) Surface Water
Initial static water level (feet from top of casing) NA
Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump _____ Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____ NA gal. >3 volumes: yes _____ no _____ purged dry? yes _____ no _____

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Sample	6.51	5.44	0.319	1.7	9.19	234	0.1

Purging Rate: _____ Purging Time: _____ Sampling Rate: NA
_____ Grab sample

Sampling

Time of Sample Collection: 12:10 p.m.

Method:

_____ Submersible Pump
_____ In-Line Filter (Diss. Metals)
_____ Pos. Disp. Pump
_____ Disposable bailer
_____ Hand Dipper

Analyses (Pace Analytical Laboratory)

_____ X VOCs
_____ Leachate
_____ X Parameters

Observations

Weather/Temperature: Sunny, cold 35 F

Sample description: Clear, no odor

Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG SURFACE WATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/21/2022

WELL ID: SW-5 Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) Surface Water
Initial static water level (feet from top of casing) NA
Approximate Pump Inlet (feet from top of casing)..... _____

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump _____ Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____
NA gal. >3 volumes: yes _____ no _____ purged dry? yes _____ no _____

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Sample	6.89	5.86	0.332	12.3	9.90	261	0.2

Purging Rate: _____ Purging Time: _____ Sampling Rate: NA
_____ Grab sample

Sampling

Time of Sample Collection: 2:45 p.m.

Method: _____ Analyses (Pace Analytical Laboratory)
_____ Submersible Pump X VOCs
_____ In-Line Filter (Diss. Metals) _____
_____ Pos. Disp. Pump _____
_____ Disposable bailer _____ Leachate
_____ X Hand Dipper _____ Parameters

Observations

Weather/Temperature: Sunny, cold 35 F
Sample description: Clear, no odor
Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG SURFACE WATER SAMPLING RECORD

SITE East Northport Landfill DATE 11/21/2022

WELL ID: SW-6 Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) Surface Water
Initial static water level (feet from top of casing) NA
Approximate Pump Inlet (feet from top of casing).....

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump _____ Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____ NA gal. >3 volumes: yes _____ no _____ purged dry? yes _____ no _____

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUS)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Sample	6.50	2.11	0.263	177	6.29	185	0.1

Purging Rate: _____ Purging Time: _____ Sampling Rate: NA
- - Grab sample

Sampling

Time of Sample Collection: 11:45 a.m.

Method: _____ Analyses (Pace Analytical Laboratory)
_____ Submersible Pump X VOCs
_____ In-Line Filter (Diss. Metals) _____
_____ Pos. Disp. Pump _____
_____ Disposable bailer _____ Leachate
_____ X Hand Dipper _____ Parameters

Observations

Weather/Temperature: Sunny, cold 35 F
Sample description: Clear, no odor
Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

**EAST NORTHPORT LANDFILL SAMPLING
FIELD OBSERVATION LOG
SURFACE WATER SAMPLING RECORD**

SITE East Northport Landfill DATE 11/21/2022

WELL ID: SW-7 Time On-site: _____ Time Off-site: _____
SAMPLERS: KR _____

Depth of well (feet from top of casing) Surface Water
Initial static water level (feet from top of casing) NA
Approximate Pump Inlet (feet from top of casing)

Purging Method

Airlift _____ Centrifugal _____
Bailer _____ Pos. Displ. _____
Submersible _____ Disposable _____
Pump _____ Bladder Pump _____
_____ (Low Flow) _____

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____
NA gal. >3 volumes: yes _____ no _____ purged dry? yes _____ no _____

Field Tests

Volume of Purge Water (Gallons)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUS)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Sample	8.46	6.11	23.4	18.3	11.85	109	14

Purging Rate: _____ Purging Time: _____ Sampling Rate: NA
_____ Grab sample

Sampling

Time of Sample Collection: 3:30 p.m.

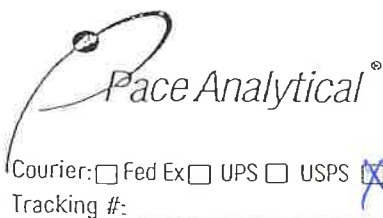
Method: _____ Analyses (Pace Analytical Laboratory)
_____ Submersible Pump X VOCs
_____ In-Line Filter (Diss. Metals) _____
_____ Pos. Disp. Pump _____
_____ Disposable bailer _____ Leachate
_____ X Hand Dipper _____ Parameters

Observations

Weather/Temperature: Sunny, cold 35 F
Sample description: Clear, no odor
Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no X describe _____

APPENDIX F

CHAIN OF CUSTODY FORMS



Sample Collection Upon Receipt

WO#: 70236731

Client Name:

Project:

PM: GFD

Due Date: 11/23/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: T1148

Correction Factor: + 0.1

Temperature Blank Present: ☐ Yes ☒ NoType of Ice: ☒ Wet ☐ Blue ☐ None☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 1.2

Cooler Temperature Corrected(°C): 1.3

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: KW 11/21/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☒ Yes	☐ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.
Sufficient Volume: (Triple volume provided for)	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		10.
Containers Intact:	☒ Yes	☐ No		11.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL WT OIL				
All containers needing preservation have been checked?	☒ Yes	☐ No	☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # H293085				Sample #
All containers needing preservation are found to be in compliance with method recommendation?				
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☒ Yes	☐ No	☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRD/8015 (water).				
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14. Initial when completed: Lot # of added preservative: Date/Time preservative added:
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	16.
Trip Blank Present:	☒ Yes	☐ No	☐ N/A	17.
Trip Blank Custody Seals Present	☒ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

ENV-FRM-MELV-0024 01

WO#: 70236731

PM: GFD Due Date: 11/23/22
CLIENT: D&B

CHAIN-OF-CUSTODY / ANALYSIS

The Chain-of-Custody is a LEGAL DOCUMENT

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions

Section A

Required Client Information:

Company: Dvirka & Bartolucci
Address: 330 Crossways Park Drive
Woodbury, NY 11797
Email: krobins@db-eng.com
Phone: (516) 578-5546 Fax:
Requested Due Date: 5 standard

Section B

Required Project Information:

Report To: Keith Robins
Copy To:
Purchase Order #:
Project Name: East Northport Landfill SA Groundwaters
Project #: 5629 - second semi annual event

Section C

Invoice Information:

Attention: Keith Robins
Company Name: D&B Engineers & Architects
Address: 330 Crossways Park Drive
Pace Quote:
Pace Project Manager: giovanna.deluca@pace-labs.com
Pace Profile #: 5278

Section D

1 Of 1

Regulatory Agency

State / Location

NY

ITEM #	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Air Other Tissue	CODE DW WT WW P SL OL AP AT OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	END	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Analyses Test					Y/N	Residual Chlorine (Y/N)	VOCs, Aluminum, Arsenic, Cadmium, Calcium, Chromium, Iron, Lead, Mercury, Magnesium, Potassium, Sodium, Alkalinity/Bicarbonate, Ammonia, Nitrate, Chloride, Sulfate, TDS, Hardness																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					START	END								Unpreserved	H2SO4	HNO3	NaOH	Na2S2O3	Methanol	Other		Volatle Organics 624	TAL Metals+B & Hardness	ALK. BICARB ALK. TDS, NO3	NH3, NO3	Chloride, Sulfate																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
							Received on	Temp in C
Metals = Al, As, Cr, Cd, Fe, Pb, Mg, Hg, K, & Na + Hardness	Ryan Lee / D+B	11/15/22	11:15	Keith Robins / Pace	11/15/22	17:01		
	Keith Robins / Pace	11/15/22	14:30	Keith Robins / Pace	11/15/22	17:01		
SAMPLER NAME AND SIGNATURE								
PRINT Name of SAMPLER: Keith Robins								
SIGNATURE of SAMPLER: Keith Robins								
DATE Signed: 11/15/2022								
Samples (Y/N)								
Cooler (Y/N)								
Sealed (Y/N)								
Inlet (Y/N)								



Sample Condition Upon Re

WO#: 70236731

Client Name:

Pre

PM: GFD

Due Date: 11/23/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: T1148

Correction Factor: + 0.1

Temperature Blank Present: ☐ Yes ☒ NoType of Ice: ☒ Wet ☐ Blue ☐ None☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 1.2

Cooler Temperature Corrected(°C): 1.3

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sample

Date and Initials of person examining contents: RW 11/15/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:		
Chain of Custody Present:	☒ Yes	☐ No		1.		
Chain of Custody Filled Out:	☒ Yes	☐ No		2.		
Chain of Custody Relinquished:	☐ Yes	☐ No		3.		
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.		
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.		
Short Hold Time Analysis (<72hr):	☒ Yes	☐ No		6.		
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.		
Sufficient Volume: (Triple volume provided for)	☒ Yes	☐ No		8.		
Correct Containers Used:	☒ Yes	☐ No		9.		
-Pace Containers Used:	☒ Yes	☐ No		10.		
Containers Intact:	☒ Yes	☐ No		11.	Note if sediment is visible in the dissolved container.	
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	12.		
Sample Labels match COC:	☒ Yes	☐ No		13.	☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl	
-Includes date/time/ID, Matrix: SL WT OIL						
All containers needing preservation have been checked?	☒ Yes	☐ No	☐ N/A	14.	Sample #	
pH paper Lot # H293085						
All containers needing preservation are found to be in compliance with method recommendation?	☒ Yes	☐ No	☐ N/A		Initial when completed: Lot # of added preservative: Date/Time preservative added:	
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)						
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).						
Per Method, VOA pH is checked after analysis						
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	15.	Positive for Res. Chlorine? Y N	
KI starch test strips Lot #						
Residual chlorine strips Lot #						
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	16.	Positive for Sulfide? Y N	
Lead Acetate Strips Lot #						
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	17.		
Trip Blank Present:	☒ Yes	☐ No	☐ N/A			
Trip Blank Custody Seals Present	☒ Yes	☐ No	☐ N/A			
Pace Trip Blank Lot # (if applicable):						

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

WO#: 70236731

PM: GFD Due Date: 11/23/22

CLIENT: D&B

CHAIN-OF-CUSTODY /

The Chain-of-Custody is a LEGAL DOCUMENT

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions

Section A

Required Client Information:

Company	Dvirka & Bartilucci	Report To:	Keith Robins
Address:	330 Crossways Park Drive	Copy To:	—
Woodbury, NY 11797		Purchase Order #:	—
Email: krobins@dab-eng.com		Project Name:	East Northport Landfill SA Groundwaters
Phone: (516) 578-5546	Fax:	Project #:	5029 - second SEM. manual event
Requested Due Date:	Standard	Pace Profile #:	5278

Section B

Required Project Information:

Attention:	Keith Robins
Company Name:	D&B Engineering + Analytics
Address:	330 Crossways Park Dr
Pace Quote:	—
Pace Project Manager:	giovanna deloia@pacerlabs.com
State / Location	NY
Regulatory Agency	

Section C

Invoice Information:

Attention:	Keith Robins
Company Name:	D&B Engineering + Analytics
Address:	330 Crossways Park Dr
Pace Quote:	—
Pace Project Manager:	giovanna deloia@pacerlabs.com
Pace Profile #:	5278

ITEM #	MATRIX	CODE	COLLECTED				SAMPLE TYPE (G=GRAB C=COMP)	PRESERVATIVES				ANALYSES TEST	Y/N	REQUESTED ANALYSIS FILTERED (Y/N)										RESIDUAL CHLORINE (Y/N)	TDS, HARDNESS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			DRINKING WATER	WASTE WATER	PRODUCT	SOIL/SOLID		DATE	TIME	DATE	TIME			START	END	UNPRESERVED	H2SO4	HNO3	NaOH	Na2S2O3	METHANOL	OTHER	VOLENT ORGANICS 624			TAL METALS+B & HARDNESS	ALK, BICARB ALK, TDS, NO3	NH3, NO3	CHLORIDE, SULFATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1	Top Blank	11/16/2022	WT	11/15/22	11/16/22	11/16/22	WT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Metals = AL, As, Cr, Cd, Fe, Pb, Mg, Hg, K, & Na + Hardness	Ryan Lee / DTB	11/16/2022	5:15	Gy Pace 2 I	11/16/22	17:17	1.6 (w) v/a Y
Catalog B + Edus De 11/16/22							
Send data to Lab data@dab-eng.com							



Sample Collection Upon Receipt

WO#: 70236731

Client Name: D&B

Proj:

PM: GFD

Due Date: 11/23/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No ☐ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☒ None ☐ OtherThermometer Used: T1148Correction Factor: + 0.1Temperature Blank Present: ☒ Yes ☐ NoType of Ice: Wet Blue NoneCooler Temperature (°C): 1.6Cooler Temperature Corrected (°C): 1.7☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sampleDate and Initials of person examining contents: KW 11/16/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☒ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.
Sufficient Volume: (Triple volume provided for I)	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		10.
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☒ Yes	☐ No	☐ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No		12.
-Includes date/time/ID, Matrix: <u>SL WT OIL</u>				
All containers needing preservation have been checked?	☒ Yes	☐ No	☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>4024306</u>				Sample #
All containers needing preservation are found to be in compliance with method recommendation?				
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☒ Yes	☐ No	☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: Lot # of added preservative: Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	16.
Trip Blank Present:	☒ Yes	☐ No	☐ N/A	17.
Trip Blank Custody Seals Present	☒ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

WO#: 70236731

PM: GFD Due Date: 11/23/22

CLIENT: D&B

CHAIN-OF-CUSTODY / Analytical Request

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant file information found at https://i

Section A

Required Client Information:

Company: Dvirka & Barilucci

Address: 330 Crossways Park Drive

Woodbury, NY 11797

Phone: (516) 578-5545

Requested Due Date: Standard

Section B

Required Project Information:

Report To: Keith Robbins

Copy To:

Purchase Order #:

Project Name: East Northport Landfill SA Groundwaters

Project #: 5029 - second semi annual event

Section C

Invoice Information:

Attention: Keith Robbins

Company Name: D&B Engineers + Architects

Address: 330 Crossways Park Drive

Pace Quote:

Pace Project Manager: giovanna.deluca@pacelabs.com

Pace Profile #: 5278

Page: 1 Of 1

Regulatory Agency: New York State

State/Location: NY

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	START		END		# OF CONTAINERS	PRESERVATIVES		ANALYSES TEST	REQUESTED ANALYSIS		Residual Chlorine (Y/N)	Other	Volatiles Organics 624	TAL Metals+B & Hardness	ALK, BICARB ALK, TDS, NO ₃	NH ₃ , NO ₃	Chloride, Sulfate	Residual Chlorine (Y/N)	Hardness
			DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME									
1	Trip Blank	11/17/2022	WT	6	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22
2	EN1-M	11/17/2022	WT	6	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22
3	EN1-M	11/17/2022 (MS)	WT	6	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22
4	EN1-M	11/17/2022 (MSD)	WT	6	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22	1:30	11/17/22
5	Field Blank	11/17/2022	WT	6	11/17/22	9:30	11/17/22	9:30	11/17/22	9:30	11/17/22	9:30	11/17/22	9:30	11/17/22	9:30	11/17/22	9:30	11/17/22	9:30	11/17/22	9:30	11/17/22	9:30	11/17/22
6	EN10-M	11/17/2022	WT	6	11/17/22	4:00	11/17/22	4:00	11/17/22	4:00	11/17/22	4:00	11/17/22	4:00	11/17/22	4:00	11/17/22	4:00	11/17/22	4:00	11/17/22	4:00	11/17/22	4:00	11/17/22
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE #		IONS	
Ryan Lee/D+B		Ryan Lee/D+B		11/17/22		6:00		11/17/22		18:02		1.8		1.8			
Provide category "B" and Equis																	
Send data to labdata@db-eng.com																	

Sample Condition Upon Receipt

Pace Analytical®

Client Name:

D & B

Proc

WO#: 70236731

PM: GFD

Due Date: 11/23/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: T1148

Correction Factor: + 0.1

Cooler Temperature(°C): 1.8

Cooler Temperature Corrected(°C): 1.9

Temperature Blank Present: ☐ Yes ☒ NoType of Ice: ☒ Wet ☐ Blue ☐ None☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: SBR 11/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	☒ Yes ☐ No	1.
Chain of Custody Filled Out:	☒ Yes ☐ No	2.
Chain of Custody Relinquished:	☒ Yes ☐ No	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr):	☒ Yes ☐ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume: (Triple volume provided for)	☒ Yes ☐ No	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No	10.
Containers Intact:	☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests	☒ Yes ☐ No ☐ N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes ☐ No	12.
-Includes date/time/ID, Matrix: SL WT OIL		
All containers needing preservation have been checked?	☒ Yes ☐ No ☐ N/A	13.
pH paper Lot # HC 293085		
All containers needing preservation are found to be in compliance with method recommendation?	☒ Yes ☐ No ☐ N/A	Sample #
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)		
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRD/8015 (water).		
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		
Residual chlorine strips Lot #		Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes ☐ No ☒ N/A	15.
Lead Acetate Strips Lot #		Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	16.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	17.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>.

Section A

Required Client Information:

Company:	Dvirka & Barilucci	Report To:	Keith Robins
Address:	330 Crossways Park Drive	Copy To:	
City:	Woodbury, NY 11797		
Email:	krabins@db-eng.com		
Phone:	(516) 578-5546	Fax:	
Requested Due Date:	Standard		

Section B

Required Project Information:

Project Name:	East Northport Landfill SA Groundwaters	Company Name:	DB Engineers + Architects
Project #:	5620 - second semi annual event 2022	Address:	330 crossways park drive
Purchase Order #:		Pace Quote:	
Project Name:	East Northport Landfill SA Groundwaters	Pace Project Manager:	giovanna.deluca@pacelabs.com
Project #:	5620 - second semi annual event 2022	Pace Profile #:	5278

Invoice Information:

Attention:	Keith Robins
Company Name:	DB Engineers + Architects
Address:	330 crossways park drive
Pace Quote:	
Pace Project Manager:	giovanna.deluca@pacelabs.com
Pace Profile #:	5278

Section C

Regulatory/Agency:	
State / Location:	NY

ITEM #	MATRIX	CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test					Residual Chlorine (Y/N)	SAMPLE CATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				START	END							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Volatiles Organics 624	TAL Metals+B & Hardness	ALK, BICARB ALK, TDS, NO3	NH3.NO3			Chloride, Sulfate																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	Trip Blank	11/17/2022	WT	11/17/22	-	11/17/22	-	11/17/22	-	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C
Provide category "B" and Equis	Ryan Lee/D+B	11/17/22	6:00	Ryan Lee	11/17/22	18:02	1.8
Send data to labdata@db-eng.com							

SAMPLER NAME AND SIGNATURE	PRINT Name of SAMPLER	SIGNATURE of SAMPLER	DATE Signed	Received on
	Ryan Lee	Ryan Lee	11/17/22	

WO#: 70237530



CHAIN-OF-CUSTODY / Analytical

The Chain-of-Custody is a LEGAL DOCUMENT. A

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions for

Page: 1 Of 1

Section A

Required Client Information:
 Company: Divka & Barilucci
 Address: 330 Crossways Park Drive
 Woodbury, NY 11797
 Email: krobins@db-ang.com
 Phone: (516) 578-5545
 Requested Due Date: 11/21/22

Required Project Information:
 Report To: Keith Robins
 Copy To:
 Purchase Order #:
 Project Name: East Northport Surface Waters
 Project #: 5629 - 2nd Seasonal Sampling Event - 2022

Invoice Information:
 Attention: Keith Robins
 Company Name: Divka & Barilucci
 Address: 330 Crossways Park Drive
 Pace Quote:
 Pace Project Manager: giovanna.deloca@pacelabs.com
 Pace Profile #: 5278

Regulatory Agency:
 State / Location: NY

Section B

ITEM #	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	PRESERVATIVES						Analyses Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	TCL VOCs, alkanes/bicarbonate, ammonia, nitrate, chloride, sulfate, total dissolved solids, and nutrients
			START DATE	END DATE				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3				
1	TRIP Blank - 11/21/22		11/21/22	11/21/22	WT		2	X	X	X	X	X	X	X	X	X	
2	SW-6 - 11/21/22		11/21/22 1:45pm	11/21/22	WT	G	5	1	1	1	1	1	1	1	1	1	
3	SW-4 - 11/21/22		11/21/22 12:10pm	11/21/22	WT	G	5	1	1	1	1	1	1	1	1	1	
4	SW-1 - 11/21/22		11/21/22 12:30pm	11/21/22	WT	G	5	1	1	1	1	1	1	1	1	1	
5	SW-2 - 11/21/22		11/21/22 12:50pm	11/21/22	WT	G	5	1	1	1	1	1	1	1	1	1	
6	SW-3 - 11/21/22		11/21/22 2:00pm	11/21/22	WT	G	5	1	1	1	1	1	1	1	1	1	
7	SW-5 - 11/21/22		11/21/22 2:45pm	11/21/22	WT	G	5	1	1	1	1	1	1	1	1	1	
8																	
9																	
10																	
11																	
12																	

ADDITIONAL COMMENTS:
 Metals: Ca, Mg + Hardness
 Provide Certificates for SW-6 and SW-5 for water use
 Seal labels for Lab Analysis 11-21-22

RELINQUISHED BY / AFFILIATION: Keith Robins
 DATE: 11/21/2022
 TIME: 4:45pm
 ACCEPTED BY / AFFILIATION: Keith Robins
 DATE: 11/21/2022
 TIME: 17:04

SAMPLE CONDITIONS:
 Received on: 11/21/2022
 Temp in C: 12
 Sealed: Y
 Cooler: Y
 Custody: Y
 Samples Intact: Y



Sample Condition Upon Receipt

WO#: 70237530

Client Name:

Proj:

PM: GFD

Due Date: 12/05/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: T1148

Correction Factor: + 0.1

Cooler Temperature (°C): 1.2

Cooler Temperature Corrected (°C): 1.3

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: K-P 12/1/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

NM, NY, OK, OR, SC, TN, TX, or VA [check map]? ☐ Yes ☐ No

Did samples originate from a foreign source

including Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	☒ Yes ☐ No	1.
Chain of Custody Filled Out:	☒ Yes ☐ No	2.
Chain of Custody Relinquished:	☒ Yes ☐ No	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr):	☒ Yes ☐ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume: (Triple volume provided for)	☒ Yes ☐ No	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No	10.
Containers Intact:	☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes ☐ No	12.
-Includes date/time/ID, Matrix: SL, WT, OIL		
All containers needing preservation have been checked?	☒ Yes ☐ No ☐ N/A	13.
pH paper Lot # 11293085		
All containers needing preservation are found to be in compliance with method recommendation?		Sample #
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☒ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRD/8015 [water].		
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		
Residual chlorine strips Lot #		Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes ☐ No ☒ N/A	15.
Lead Acetate Strips Lot #		Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	16.
Trip Blank Present:	☒ Yes ☒ No ☐ N/A	17.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

SW-7 not on CoC, logged off bottles

APPENDIX G

DATA VALIDATION FORMS

DATA VALIDATION CHECKLIST

Project Name:	East Northport SA Landfill		
Project Number:	5629		
Sample Date(s):	November 14-17, 2022		
Sample Team:	Keith Robins		
Matrix/Number of Samples:	<u>Ground Water (GW)/ 11</u> <u>Field Duplicates/ 1</u> <u>Trip Blanks / 4</u> <u>Field Blanks/ 1</u>		
Analyzing Laboratory:	Pace Analytical., Melville, NY		
Analyses:	<u>Volatile Organic Compounds (VOCs):</u> by USEPA 624.1 <u>Metals:</u> by USEPA 6010C and mercury by USEPA 7470A <u>General Chemistry:</u> Alkalinity (SM22 2320B); Ammonia (SM22 4500); Chloride and Sulfate (USEPA 300.0); Nitrate and Nitrite (USEPA 353.2); Nitrite (USEPA 353.2); Total Dissolved Solids (SM22 2540C); and Hardness (SM22 2340B)		
Laboratory Report No:	70236731	Date:	12/16/2022

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, November 2020, or USEPA National Functional Guidelines of Inorganic Data Review, November 2020, method performance criteria, and performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

SDG: 70236731

SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Blind Sample	Analysis			
				VOC	SVOC	MET	MISC
TRIP BLANK	70236731001	11/14/2022		X			
CW-1M	70236731002	11/14/2022		X		X	X
CW-1S	70236731003	11/14/2022		X		X	X
CW-4M	70236731004	11/14/2022		X		X	X
CW-4S	70236731005	11/14/2022		X		X	X
TRIP BLANK	70236731007	11/15/2022		X			
EN6_M	70236731008	11/15/2022		X		X	X
EN6_S	70236731009	11/15/2022		X		X	X
EN9_M	70236731010	11/15/2022		X		X	X
CW2_M	70236731011	11/15/2022		X		X	X
TRIP BLANK	70236731012	11/16/2022		X			
EN7-M	70236731013	11/16/2022		X		X	X
BLIND DUPLICATE	70236731014	11/16/2022	EN7-M	X		X	X
TRIP BLANK	70236731015	11/17/2022		X			
EN1-M	70236731016	11/17/2022		X		X	X
FIELD BLANK	70236731017	11/17/2022		X		X	X
EN10-M	70236731018	11/17/2022		X		X	X

ORGANIC ANALYSES

VOCS

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X		X	
C. Field blanks		X	X		
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X	X		
6. Laboratory Control Sample (LCS) spike %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD		X		X	
14. Tentatively Identified Compounds (TICs)		X		X	

VOCs - volatile organic compounds

%D - percent difference

RRF - relative response factor

%R - percent recovery

%RSD - percent relative standard deviation

RPD - relative percent difference

Comments:

Performance was acceptable, with the following exceptions:

- 2C. Methylene chloride was detected in the Field Blank. It was not detected in the samples therefore qualification of the data was not necessary.
3. The %Rs were below the QC limits in the MS for 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, bromoform, dibromochloromethane, tetrachloroethene, and xylene associated with all samples. They were qualified as estimated (J/UJ) in all samples.
5. The RPDs were above the QC limits in the MS/MSD for 1,1,1-trichloroethane, 1,1-dichloroethene, 1,3-dichlorobenzene, dichlorodifluoromethane, methylene chloride, tetrachloroethene, cis-1,2-dichloroethene, and xylene associated with all samples. Cis-1,2-dichloroethene was detected in samples EN7-M and BLIND DUPLICATE and qualified as estimated (J).

**INORGANIC ANALYSES
METALS**

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Method and calibration blanks		X	X		
B. Field blanks		X	X		
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R		X		X	
6. Interference check sample %R		X		X	
7. Laboratory control sample %R		X		X	
8. Spike sample %R		X		X	
9. Post digestive spike sample %R		X		X	
10. Duplicate RPD		X		X	
11. Serial dilution check %D		X		X	
12. Field duplicates RPD		X		X	

%R - percent recovery

%D - percent difference

RPD - relative percent difference

Comments:

Performance was acceptable, with the following exception:

- Aluminum, arsenic, calcium, cadmium, iron, potassium, magnesium, and mercury were detected in the field blank and/or initial calibration blank. The following were qualified as non-detect (UB): aluminum in samples CW-1M, EN6-S, EN9-M, and EN-1M; arsenic in samples EN7-M and EN10-M; potassium in samples CW-1M, CW-4M, and EN6-S; and mercury in samples EN-1M and EN10-M.

**INORGANIC ANALYSES
GENERAL CHEMISTRY**

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Laboratory blanks		X	X		
B. Field blanks		X	X		
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R		X		X	
6. Laboratory control sample %R		X	X		
7. Spike sample %R		X	X		
8. Duplicate RPD		X	X		
9. Field duplicates RPD		X		X	

%R percent recovery

RPD - relative percent difference

%D – percent difference

RSD - relative standard deviation

Comments:

Performance was acceptable, with the following exception:

2A&B. Total alkalinity, bicarbonate alkalinity, ammonia, chloride, sulfate, and TDS were detected in the blanks. Ammonia was qualified as non-detect (UB) in samples CW-1M, CW-4M, CW-4S, EN6-M, EN6-S, EN9-M, and CW2-M.

6&7. The %Rs were below the QC limits in the MS and/or LCS for nitrate associated with samples CW2_M, EN7-M, BLIND DUPLICATE, EN1-M, FIELD BLANK, and EN10-M; nitrite associated with sample EN10-M; ammonia associated with sample CW2_M; alkalinity, carbonate (CaCO₃) associated with all samples except EN7-M and BLIND DUPLICATE; and total alkalinity associated with samples EN6_M, EN6_S, EN9_M, and CW2_M. They were qualified as estimated (J/UJ) in the associated samples.

7. The %R was above the QC limit in the MS for chloride and sulfate associated with samples CW-1M, CW-1S, CW-4M, CW-4S, EN7-M, BLIND DUPLICATE, EN1-M, FIELD BLANK, and EN10-M and sulfate associated with samples EN6_M, EN6_S, EN9_M, and CW2_M. They were detected above the reporting limit in the associated samples and were qualified as estimated (J).

8. The RPD was above the QC limit in the duplicate for total dissolved solids all samples except EN10-M and FIELD BLANK and was qualified as estimated (J).

9. Sample EN7-M was field duplicated and labeled BLIND DUPLICATE. Based on field duplicate results total dissolved solids in samples EN7-M and BLIND DUPLICATE were qualified as estimated (J).

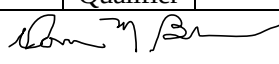
**DATA VALIDATION AND
QUALIFICATION SUMMARY**
Laboratory Numbers:70236731

Sample ID	Analyte(s)	Qualifier	Reason(s)
<u>VOCs</u>			
All samples	1,2-Dichlorobenzene,1,3-dichlorobenzene, 1,4-dichlorobenzene, bromoform, dibromochloromethane, tetrachloroethene, and xylene	J/UJ	The %Rs were below the QC limits in the MS
EN7-M and BLIND DUPLICATE	Cis-1,2-dichloroethene	J	The RPDs were above the QC limits in the MS/MSD
<u>Metals</u>			
CW-1M, EN6-S, EN9-M, and EN-1M	Aluminum	UB	Detected in the field blank and/or initial calibration blank
EN7-M and EN10-M	Arsenic		
CW-1M, CW-4M, and EN6-S	Potassium		
EN-1M and EN10-M	Mercury		
<u>General Chemistry</u>			
CW-1M, CW-4M, CW-4S, EN6-M, EN6-S, EN9-M, and CW2-M	Ammonia	UB	Detected in the blanks
CW2_M, EN7-M, BLIND DUPLICATE, EN1-M, FIELD BLANK, and EN10-M	Nitrate	J/UJ	The %Rs were below the QC limits in the MS and/or LCS
EN10-M	Nitrite		
CW2_M	Ammonia		
All samples except EN7-M and BLIND DUPLICATE	Alkalinity,carbonate (CaCO3)		
EN6_M, EN6_S, EN9_M, and CW2_M	Total alkalinity		
CW-1M, CW-1S, CW-4M, CW-4S, EN7-M, BLIND DUPLICATE, EN1-M, FIELD BLANK, and EN10-M	Chloride and sulfate	J	The %R was above the QC limit in the MS
EN6_M, EN6_S, EN9_M, and CW2_M	Sulfate		
All samples except EN10-M and FIELD BLANK	Total dissolved solids	J	The RPD were above the QC limits in the duplicate
EN7-M & BLIND DUPLICATE	Total dissolved solids	J	Field duplicate results

VALIDATION PERFORMED BY & DATE:

Donna M. Brown 1/24/2023

Pages

Sample ID	Analyte(s)	Qualifier	Reason
VALIDATION PERFORMED BY SIGNATURE:			

DATA VALIDATION CHECKLIST

Project Name:	East Northport SA Landfill	
Project Number:	5629	
Sample Date(s):	November 16 and 17, 2022	
Sample Team:	Keith Robins	
Matrix/Number of Samples:	<u>Water/ 3</u> <u>Field Duplicate/ 1</u> <u>Trip Blank/ 0</u> <u>Field Blank/ 2</u>	
Analyzing Laboratory:	Pace Analytical (Con-test), Longmeadow, MA, or Eurofins TestAmerica, Amherst, NY	
Analyses:	<u>Per- and Polyfluoroalkyl Substances (PFAS):</u> by EPA 537.1 at MA <u>1,4-Dioxane:</u> by method 8270D SIM at NY	
Laboratory Report No:	70237080 (480-204115 and 22K3383)	Date:12/08/2022

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, November 2021, Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substance (PFAS) Under NYSDEC's Part 375 Remedial Programs June 2021, method performance criteria and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

DATA VALIDATION CHECKLIST

Project Name:	East Northport SA Landfill		
Project Number:	5629		
Sample Date(s):	November 21, 2022		
Sample Team:	Keith Robins		
Matrix/Number of Samples:	<u>Surface Water (SW)/ 7</u> <u>Field Duplicates/ 0</u> <u>Trip Blanks / 1</u> <u>Field Blanks/ 0</u>		
Analyzing Laboratory:	Pace Analytical., Melville, NY		
Analyses:	<u>Volatile Organic Compounds (VOCs); by USEPA 624.1</u> <u>Metals; by SW846 6010C (Calcium and magnesium)</u> <u>General Chemistry: Alkalinity (SM22 2320B); Ammonia (SM22 4500); Chloride and Sulfate (USEPA 300.0); Nitrate and Nitrite (USEPA 353.2); Nitrite (USEPA 353.2); Total Dissolved Solids (SM22 2540C); and Hardness (SM22 2340B)</u>		
Laboratory Report No:	70237530	Date:	12/22/2022

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, November 2020, or USEPA National Functional Guidelines of Inorganic Data Review, November 2020, method performance criteria, and performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

Pages

SDG: 70237530
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Blind Sample	Analysis			
				VOC	SVOC	MET	MISC
TRIP BLANK	70237530001	11/21/2022		X			
SW-6	70237530002	11/21/2022		X		X	X
SW-4	70237530003	11/21/2022		X		X	X
SW-1	70237530004	11/21/2022		X		X	X
SW-2	70237530005	11/21/2022		X		X	X
SW-3	70237530006	11/21/2022		X		X	X
SW-5	70237530007	11/21/2022		X		X	X
SW-7	70237530008	11/21/2022		X		X	X

ORGANIC ANALYSES

VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X		X	
C. Field blanks					X
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory Control Sample (LCS) spike %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X
14. Tentatively Identified Compounds (TICs)		X		X	

VOCs - volatile organic compounds

%D - percent difference

RRF - relative response factor

%R - percent recovery

%RSD - percent relative standard deviation

RPD - relative percent difference

Comments:

Performance was acceptable.

**INORGANIC ANALYSES
METALS**

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method and calibration blanks		X		X	
B. Field blanks					X
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R		X		X	
6. Interference check sample %R		X		X	
7. Laboratory control sample %R		X		X	
8. Spike sample %R		X		X	
9. Post digestive spike sample %R		X		X	
10. Duplicate RPD		X		X	
11. Serial dilution check %D		X		X	
12. Field duplicates RPD					X

%R - percent recovery

%D - percent difference

RPD - relative percent difference

Comments:

Performance was acceptable.

**INORGANIC ANALYSES
GENERAL CHEMISTRY**

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Laboratory blanks		X	X		
B. Field blanks					X
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R		X		X	
6. Laboratory control sample %R		X		X	
7. Spike sample %R		X	X		
8. Duplicate RPD		X		X	
9. Field duplicates RPD					X

%R percent recovery

RPD - relative percent difference

%D – percent difference

RSD - relative standard deviation

Comments:

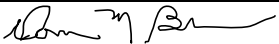
Performance was acceptable, with the following exception:

- 2A. Chloride and sulfide were detected in the blank. Based on samples results no qualification of the data was necessary.
- 7. The %Rs were below the QC limits in the spike for alkalinity, carbonate (CaCO₃) and nitrite associated with all samples. They were qualified as estimated (J/UJ) in all the samples.

The %Rs were above the QC limits in the spike for chloride and sulfate associated with all samples. They were detected and qualified as estimated (J) in all the samples, except for sulfate in sample SW-7.

**DATA VALIDATION AND
QUALIFICATION SUMMARY**
Laboratory Numbers:70237530

Sample ID	Analyte(s)	Qualifier	Reason(s)
<u>VOCs</u>			
No qualification of the data was necessary.			
<u>Metals</u>			
No qualification of the data was necessary.			
<u>General Chemistry</u>			
All samples	Alkalinity,carbonate and nitrite	J/UJ	The %Rs were below the QC limit in the spike
All the samples, except for sulfate in sample SW-7	Chloride and sulfate	J	The %Rs were above the QC limits in the spike

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 1/24/2023
VALIDATION PERFORMED BY SIGNATURE:	

Custody Numbers:70237080
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis			
				VOC	1,4-Dioxane	PFAS	MISC
EN7-M	480-204115-1	11/16/2022			X		
BLIND DUP	480-204115-2	11/16/2022	EN-7M		X		
FIELD BLANK	480-204115-3	11/17/2022			X		
EN1-M	480-204115-4	11/17/2022			X		
EN-10M	480-204115-5	11/17/2022			X		
EN7-M	22E3383-01	11/16/2022				X	
BLIND DUP	22E3383-02	11/16/2022	EN-7M			X	
FIELD BLANK	22E3383-03	11/16/2022				X	
FIELD BLANK	22E3383-04	11/17/2022				X	
EN-1M	22E3383-05	11/17/2022				X	
EN-10M	22E3383-06	11/17/2022				X	

ORGANIC ANALYSES

PFAS & 1,4-Dioxane

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks		X		X	
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X	X		
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field Blind Duplicate		X		X	

VOCs - volatile organic compounds

%D - percent difference

RRF - relative response factor

%R - percent recovery

%RSD - percent relative standard deviation

RPD - relative percent difference

Comments:

Performance was acceptable, with the following exception:

The subcontracted laboratory did not receive the proper PFA compound list from Pace, NY, therefore some PFAs were not analyzed. The laboratories were contacted and reassure us that the proper list will be analyzed in future sampling.

- 3-4. The %R was below the QC limit in the MS and MSD for perfluorobutanesulfonic acid (PFBS). Sample EN-1M was used for the MS and MSD analysis and was qualified as estimated (UJ) for perfluorobutanesulfonic acid (PFBS).
- 7. The surrogate %R was the below QC limit for 13C-PFHxA and above the QC limit for 13C-PFDA in samples EN7-M and Blind Duplicate. Perfluorohexanoic acid (PFHxA) was qualified as estimated (J) in samples EN7-M and BLIND DUPLICATE.

The surrogate %Rs were the below QC limits for 13C-PFHxA and M3HFPO-DA for the Field Blanks. Perfluorohexanoic acid (PFHxA) was qualified as an estimated limit (UJ) in both Field Blank samples.

- 12. 1,4-Dioxane result reported for samples EN7-M and BLIND DUPLICATE have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-dioxane-d8 isotope. The E qualifier was removed from the sample results.

**DATA VALIDATION AND
QUALIFICATION SUMMARY**
Laboratory Numbers: 70237080

Sample ID	Analyte(s)	Qualifier	Reason(s)
<u>PFA</u>			
EN-1M	Perfluorobutanesulfonic acid (PFBS)	UJ	The %R was below the QC limit in the MS and MSD
EN7-M and Blind Duplicate	Perfluorohexanoic acid (PFHxA)	J	The surrogate %Rs were the below QC limits
Both Field Blank	Perfluorohexanoic acid (PFHxA)	UJ	
<u>1,4-Dioxane</u>			
EN7-M and BLIND DUPLICATE	1,4-Dioxane	Remove E	Data within the calibration range

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 1/3/2023
VALIDATION PERFORMED BY SIGNATURE:	

APPENDIX H

LABORATORY DATA PACKAGE

December 29, 2022

Keith Robins
Dvirka & Bartilucci
330 Crossways Park Drive
Woodbury, NY 11797

RE: Project: EAST NORTHPORT SA GROUNDWATERS
Pace Project No.: 70236731

Dear Keith Robins:

Enclosed are the analytical results for sample(s) received by the laboratory between November 14, 2022 and November 17, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

REVISION#1: Report reissued on December 29th 2022, to include Chloride.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Giovanna F. Deloca
giovanna.deloca@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Donna Brown, D&B Engineers and Architects, P.C.
Tom Fox, D&B Engineers and Architects, P.C.
Robbin Petrella, D&B Engineers and Architects, P.C.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: SM22 2340B

Description: 2340B Hardness, Total (Calc.)

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

13 samples were analyzed for SM22 2340B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 6010C

Description: 6010 MET ICP

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

13 samples were analyzed for EPA 6010C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 282543

B: Analyte was detected in the associated method blank.

- BLANK for HBN 282543 [MPRP/147 (Lab ID: 1428299)]
- Potassium

QC Batch: 282774

B: Analyte was detected in the associated method blank.

- BLANK for HBN 282774 [MPRP/148 (Lab ID: 1429043)]
- Iron

QC Batch: 282979

B: Analyte was detected in the associated method blank.

- BLANK for HBN 282979 [MPRP/148 (Lab ID: 1430371)]
- Arsenic

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 6010C

Description: 6010 MET ICP

Client: Dvirka & Bartilucci

Date: December 29, 2022

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 7470A

Description: 7470 Mercury

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

13 samples were analyzed for EPA 7470A by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 624.1

Description: 624.1 Volatile Organics

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

18 samples were analyzed for EPA 624.1 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 282550

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 1428318)
 - trans-1,3-Dichloropropene
- CW-1M_11/14/2022 (Lab ID: 70236731002)
 - trans-1,3-Dichloropropene
- CW-1S_11/14/2022 (Lab ID: 70236731003)
 - trans-1,3-Dichloropropene
- CW-4M_11/14/2022 (Lab ID: 70236731004)
 - trans-1,3-Dichloropropene
- CW-4S_11/14/2022 (Lab ID: 70236731005)
 - trans-1,3-Dichloropropene
- LCS (Lab ID: 1428319)
 - trans-1,3-Dichloropropene
- STORAGE BLANK (Lab ID: 70236731006)
 - trans-1,3-Dichloropropene
- TRIP BLANK_11/14/2022 (Lab ID: 70236731001)
 - trans-1,3-Dichloropropene

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 1428319)
 - Bromomethane

QC Batch: 282756

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 1428990)
 - trans-1,3-Dichloropropene
- BLIND DUPLICATE_11/16/2022 (Lab ID: 70236731014)
 - trans-1,3-Dichloropropene
- CW2-M_11/15/2022 (Lab ID: 70236731011)
 - trans-1,3-Dichloropropene
- EN6-M_11/15/2022 (Lab ID: 70236731008)
 - trans-1,3-Dichloropropene
- EN6-S_11/15/2022 (Lab ID: 70236731009)
 - trans-1,3-Dichloropropene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 624.1

Description: 624.1 Volatile Organics

Client: Dvirka & Bartilucci

Date: December 29, 2022

QC Batch: 282756

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- EN7-M_11/16/2022 (Lab ID: 70236731013)
 - trans-1,3-Dichloropropene
- EN9-M_11/15/2022 (Lab ID: 70236731010)
 - trans-1,3-Dichloropropene
- LCS (Lab ID: 1428991)
 - trans-1,3-Dichloropropene
- TRIP BLANK_11/15/2022 (Lab ID: 70236731007)
 - trans-1,3-Dichloropropene
- TRIP BLANK_11/16/2022 (Lab ID: 70236731012)
 - trans-1,3-Dichloropropene

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 1428991)
- Bromomethane

QC Batch: 282933

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 1430267)
 - trans-1,3-Dichloropropene
- EN-1M_11/17/2022 (Lab ID: 70236731016)
 - trans-1,3-Dichloropropene
- EN10-M_11/17/2022 (Lab ID: 70236731018)
 - trans-1,3-Dichloropropene
- FIELD BLANK_11/17/2022 (Lab ID: 70236731017)
 - trans-1,3-Dichloropropene
- LCS (Lab ID: 1430268)
 - trans-1,3-Dichloropropene
- MS (Lab ID: 1430289)
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 1430290)
 - trans-1,3-Dichloropropene
- TRIP BLANK_11/17/2022 (Lab ID: 70236731015)
 - trans-1,3-Dichloropropene

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- EN-1M_11/17/2022 (Lab ID: 70236731016)
 - Bromomethane
- LCS (Lab ID: 1430268)
 - Bromomethane
- MS (Lab ID: 1430289)
 - Bromomethane
- MSD (Lab ID: 1430290)
 - Bromomethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 624.1

Description: 624.1 Volatile Organics

Client: Dvirka & Bartilucci

Date: December 29, 2022

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 282550

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- LCS (Lab ID: 1428319)
- Dichlorodifluoromethane

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 282933

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236731016

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1430289)
 - 1,2-Dichlorobenzene
 - 1,3-Dichlorobenzene
 - 1,4-Dichlorobenzene
 - Bromoform
 - Dibromochloromethane
 - Tetrachloroethene

MS: Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

- MS (Lab ID: 1430289)
 - Xylene (Total)

R1: RPD value was outside control limits.

- MSD (Lab ID: 1430290)
 - 1,1,1-Trichloroethane
 - 1,1-Dichloroethene
 - 1,3-Dichlorobenzene
 - Dichlorodifluoromethane
 - Methylene Chloride

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 624.1

Description: 624.1 Volatile Organics

Client: Dvirka & Bartilucci

Date: December 29, 2022

QC Batch: 282933

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236731016

R1: RPD value was outside control limits.

- Tetrachloroethene
- cis-1,2-Dichloroethene

Additional Comments:

Analyte Comments:

QC Batch: 282933

RS: The RPD value in one of the constituent analytes was outside the control limits.

- EN-1M_11/17/2022 (Lab ID: 70236731016)
 - Xylene (Total)
- MSD (Lab ID: 1430290)
 - Xylene (Total)

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: SM22 2320B

Description: 2320B Alkalinity

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

13 samples were analyzed for SM22 2320B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 283697

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 1433546)
- Alkalinity, Carbonate (CaCO₃)

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 283422

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236039017

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1432337)
- Alkalinity, Carbonate (CaCO₃)

QC Batch: 283697

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236824001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1433548)
- Alkalinity, Carbonate (CaCO₃)

QC Batch: 283840

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70237089001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1434219)
- Alkalinity, Total as CaCO₃
- Alkalinity, Carbonate (CaCO₃)

QC Batch: 284029

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236731016

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1435175)

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: SM22 2320B

Description: 2320B Alkalinity

Client: Dvirka & Bartilucci

Date: December 29, 2022

QC Batch: 284029

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236731016

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Alkalinity, Carbonate (CaCO₃)

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: SM22 2540C

Description: 2540C Total Dissolved Solids

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

13 samples were analyzed for SM22 2540C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 282717

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 1428745)
- Total Dissolved Solids

QC Batch: 283107

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 1431002)
- Total Dissolved Solids
- DUP (Lab ID: 1431004)
- Total Dissolved Solids

QC Batch: 283110

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 1431008)
- Total Dissolved Solids
- DUP (Lab ID: 1431010)
- Total Dissolved Solids

QC Batch: 283329

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 1431798)
- Total Dissolved Solids

Additional Comments:

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

13 samples were analyzed for EPA 300.0 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 283597

B: Analyte was detected in the associated method blank.

- BLANK for HBN 283597 [WETA/448 (Lab ID: 1433245)]
 - Chloride
 - Sulfate

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 283214

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236341001,70236341003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1431352)
 - Chloride
 - Sulfate
- MS (Lab ID: 1431354)
 - Chloride
 - Sulfate

QC Batch: 283215

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236039017,70236847001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1431358)
 - Sulfate

QC Batch: 283597

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236731016,70237384003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1433247)
 - Chloride
 - Sulfate

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Dvirka & Bartilucci

Date: December 29, 2022

QC Batch: 283597

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236731016,70237384003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1433249)
- Sulfate

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

13 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 283618

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236731016, 70237869002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1433303)
- Nitrate-Nitrite (as N)

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

13 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 282894

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70236960013, 70237286002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1429713)
 - Nitrite as N
- MS (Lab ID: 1429715)
 - Nitrite as N

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Method: SM22 4500 NH3 H

Description: 4500 Ammonia Water

Client: Dvirka & Bartilucci

Date: December 29, 2022

General Information:

13 samples were analyzed for SM22 4500 NH3 H by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: TRIP BLANK_11/14/2022		Lab ID: 70236731001		Collected: 11/14/22 00:00		Received: 11/14/22 16:57		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/17/22 15:25	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/17/22 15:25	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/17/22 15:25	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/17/22 15:25	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/17/22 15:25	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/17/22 15:25	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/17/22 15:25	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/17/22 15:25	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/17/22 15:25	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/17/22 15:25	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/17/22 15:25	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 15:25	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 15:25	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 15:25	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/17/22 15:25	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 15:25	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 15:25	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 15:25	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 15:25	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 15:25	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/17/22 15:25	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 15:25	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 15:25	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/17/22 15:25	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/17/22 15:25	75-09-2		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/17/22 15:25	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/17/22 15:25	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/17/22 15:25	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 15:25	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 15:25	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/17/22 15:25	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/17/22 15:25	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/17/22 15:25	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/17/22 15:25	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	98	%	80-110	1		11/17/22 15:25	460-00-4		
Toluene-d8 (S)	96	%	87-120	1		11/17/22 15:25	2037-26-5		
1,2-Dichloroethane-d4 (S)	106	%	76-127	1		11/17/22 15:25	17060-07-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW-1M_11/14/2022		Lab ID: 70236731002		Collected: 11/14/22 09:40		Received: 11/14/22 16:57		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	107000	ug/L	830	1		11/17/22 21:09			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	115J	ug/L	200	1	11/17/22 10:02	11/17/22 21:09	7429-90-5		
Arsenic	<10.0	ug/L	10.0	1	11/17/22 10:02	11/17/22 21:09	7440-38-2		
Cadmium	<2.5	ug/L	2.5	1	11/17/22 10:02	11/17/22 21:09	7440-43-9		
Calcium	21300	ug/L	200	1	11/17/22 10:02	11/17/22 21:09	7440-70-2		
Chromium	<10.0	ug/L	10.0	1	11/17/22 10:02	11/17/22 21:09	7440-47-3		
Iron	963	ug/L	100	1	11/17/22 10:02	11/17/22 21:09	7439-89-6		
Lead	<5.0	ug/L	5.0	1	11/17/22 10:02	11/17/22 21:09	7439-92-1		
Magnesium	13100	ug/L	200	1	11/17/22 10:02	11/17/22 21:09	7439-95-4		
Potassium	3250J	ug/L	5000	1	11/17/22 10:02	11/17/22 21:09	7440-09-7	B	
Sodium	10800	ug/L	5000	1	11/17/22 10:02	11/17/22 21:09	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 15:54	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/17/22 15:44	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/17/22 15:44	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/17/22 15:44	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/17/22 15:44	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/17/22 15:44	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/17/22 15:44	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/17/22 15:44	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/17/22 15:44	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/17/22 15:44	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/17/22 15:44	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/17/22 15:44	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 15:44	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 15:44	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 15:44	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/17/22 15:44	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 15:44	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 15:44	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 15:44	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 15:44	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 15:44	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/17/22 15:44	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 15:44	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 15:44	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/17/22 15:44	100-41-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW-1M_11/14/2022		Lab ID: 70236731002		Collected: 11/14/22 09:40		Received: 11/14/22 16:57		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/17/22 15:44	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/17/22 15:44	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/17/22 15:44	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/17/22 15:44	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 15:44	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 15:44	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/17/22 15:44	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/17/22 15:44	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/17/22 15:44	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/17/22 15:44	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-110	1		11/17/22 15:44	460-00-4		
Toluene-d8 (S)	96	%	87-120	1		11/17/22 15:44	2037-26-5		
1,2-Dichloroethane-d4 (S)	104	%	76-127	1		11/17/22 15:44	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	53.2	mg/L	1.0	1		11/23/22 15:16			
Alkalinity,Bicarbonate (CaCO3)	53.2	mg/L	1.0	1		11/23/22 15:16			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/23/22 15:16			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	148	mg/L	10.0	1		11/17/22 18:28			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	22.5	mg/L	2.0	1		11/23/22 12:17	16887-00-6		
Sulfate	56.5	mg/L	25.0	5		11/23/22 15:26	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.12	mg/L	0.050	1		11/21/22 17:12	14797-55-8		
Nitrate-Nitrite (as N)	0.13	mg/L	0.050	1		11/21/22 17:12	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/15/22 21:39	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.081J	mg/L	0.10	1		11/17/22 11:59	7664-41-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW-1S_11/14/2022		Lab ID: 70236731003		Collected: 11/14/22 11:32		Received: 11/14/22 16:57		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	144000	ug/L	830	1		11/17/22 21:12			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	287	ug/L	200	1	11/17/22 10:02	11/17/22 21:12	7429-90-5		
Arsenic	27.8	ug/L	10.0	1	11/17/22 10:02	11/17/22 21:12	7440-38-2		
Cadmium	<2.5	ug/L	2.5	1	11/17/22 10:02	11/17/22 21:12	7440-43-9		
Calcium	38200	ug/L	200	1	11/17/22 10:02	11/17/22 21:12	7440-70-2		
Chromium	2.2J	ug/L	10.0	1	11/17/22 10:02	11/17/22 21:12	7440-47-3		
Iron	10200	ug/L	100	1	11/17/22 10:02	11/17/22 21:12	7439-89-6		
Lead	3.3J	ug/L	5.0	1	11/17/22 10:02	11/17/22 21:12	7439-92-1		
Magnesium	11800	ug/L	200	1	11/17/22 10:02	11/17/22 21:12	7439-95-4		
Potassium	25700	ug/L	5000	1	11/17/22 10:02	11/17/22 21:12	7440-09-7		
Sodium	60200	ug/L	5000	1	11/17/22 10:02	11/17/22 21:12	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 15:55	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/17/22 16:03	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/17/22 16:03	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/17/22 16:03	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/17/22 16:03	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/17/22 16:03	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:03	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/17/22 16:03	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/17/22 16:03	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/17/22 16:03	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/17/22 16:03	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/17/22 16:03	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:03	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:03	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:03	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/17/22 16:03	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:03	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:03	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:03	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:03	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:03	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/17/22 16:03	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 16:03	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 16:03	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/17/22 16:03	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW-1S_11/14/2022		Lab ID: 70236731003		Collected: 11/14/22 11:32		Received: 11/14/22 16:57		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/17/22 16:03	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/17/22 16:03	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/17/22 16:03	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/17/22 16:03	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:03	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:03	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:03	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/17/22 16:03	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/17/22 16:03	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/17/22 16:03	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	98	%	80-110	1		11/17/22 16:03	460-00-4		
Toluene-d8 (S)	97	%	87-120	1		11/17/22 16:03	2037-26-5		
1,2-Dichloroethane-d4 (S)	106	%	76-127	1		11/17/22 16:03	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	263	mg/L	1.0	1		11/23/22 15:29			
Alkalinity,Bicarbonate (CaCO3)	263	mg/L	1.0	1		11/23/22 15:29			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/23/22 15:29			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	420	mg/L	20.0	1		11/17/22 18:40			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	44.0	mg/L	2.0	1		11/23/22 12:31	16887-00-6		
Sulfate	89.6	mg/L	25.0	5		11/23/22 15:40	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.22	mg/L	0.050	1		11/21/22 17:13	14797-55-8		
Nitrate-Nitrite (as N)	0.24	mg/L	0.050	1		11/21/22 17:13	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/15/22 21:44	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	21.0	mg/L	1.0	10		11/17/22 13:20	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW-4M_11/14/2022		Lab ID: 70236731004		Collected: 11/14/22 14:00		Received: 11/14/22 16:57		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	127000	ug/L	830	1		11/17/22 21:15			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	136J	ug/L	200	1	11/17/22 10:02	11/17/22 21:15	7429-90-5		
Arsenic	<10.0	ug/L	10.0	1	11/17/22 10:02	11/17/22 21:15	7440-38-2		
Cadmium	0.36J	ug/L	2.5	1	11/17/22 10:02	11/17/22 21:15	7440-43-9		
Calcium	36200	ug/L	200	1	11/17/22 10:02	11/17/22 21:15	7440-70-2		
Chromium	2.4J	ug/L	10.0	1	11/17/22 10:02	11/17/22 21:15	7440-47-3		
Iron	399	ug/L	100	1	11/17/22 10:02	11/17/22 21:15	7439-89-6		
Lead	<5.0	ug/L	5.0	1	11/17/22 10:02	11/17/22 21:15	7439-92-1		
Magnesium	8930	ug/L	200	1	11/17/22 10:02	11/17/22 21:15	7439-95-4		
Potassium	2230J	ug/L	5000	1	11/17/22 10:02	11/17/22 21:15	7440-09-7	B	
Sodium	17300	ug/L	5000	1	11/17/22 10:02	11/17/22 21:15	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 16:00	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/17/22 16:23	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/17/22 16:23	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/17/22 16:23	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/17/22 16:23	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/17/22 16:23	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:23	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/17/22 16:23	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/17/22 16:23	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/17/22 16:23	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/17/22 16:23	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/17/22 16:23	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:23	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:23	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:23	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/17/22 16:23	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:23	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:23	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:23	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:23	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:23	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/17/22 16:23	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 16:23	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 16:23	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/17/22 16:23	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW-4M_11/14/2022		Lab ID: 70236731004		Collected: 11/14/22 14:00		Received: 11/14/22 16:57		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/17/22 16:23	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/17/22 16:23	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/17/22 16:23	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/17/22 16:23	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:23	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:23	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:23	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/17/22 16:23	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/17/22 16:23	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/17/22 16:23	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	102	%	80-110	1		11/17/22 16:23	460-00-4		
Toluene-d8 (S)	96	%	87-120	1		11/17/22 16:23	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	76-127	1		11/17/22 16:23	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	58.1	mg/L	1.0	1		11/23/22 15:36			
Alkalinity,Bicarbonate (CaCO3)	58.1	mg/L	1.0	1		11/23/22 15:36			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/23/22 15:36			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	163	mg/L	10.0	1		11/17/22 18:40			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	40.0	mg/L	2.0	1		11/23/22 12:44	16887-00-6		
Sulfate	29.4	mg/L	5.0	1		11/23/22 12:44	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	6.3	mg/L	0.25	5		11/21/22 17:15	14797-55-8		
Nitrate-Nitrite (as N)	6.3	mg/L	0.25	5		11/21/22 17:15	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/15/22 22:00	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.061J	mg/L	0.10	1		11/17/22 12:01	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW-4S_11/14/2022		Lab ID: 70236731005		Collected: 11/14/22 15:25		Received: 11/14/22 16:57		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	71500	ug/L	830	1		11/17/22 21:17			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	190J	ug/L	200	1	11/17/22 10:02	11/17/22 21:17	7429-90-5		
Arsenic	<10.0	ug/L	10.0	1	11/17/22 10:02	11/17/22 21:17	7440-38-2		
Cadmium	3.5	ug/L	2.5	1	11/17/22 10:02	11/17/22 21:17	7440-43-9		
Calcium	17600	ug/L	200	1	11/17/22 10:02	11/17/22 21:17	7440-70-2		
Chromium	2.1J	ug/L	10.0	1	11/17/22 10:02	11/17/22 21:17	7440-47-3		
Iron	1130	ug/L	100	1	11/17/22 10:02	11/17/22 21:17	7439-89-6		
Lead	12.8	ug/L	5.0	1	11/17/22 10:02	11/17/22 21:17	7439-92-1		
Magnesium	6680	ug/L	200	1	11/17/22 10:02	11/17/22 21:17	7439-95-4		
Potassium	4320J	ug/L	5000	1	11/17/22 10:02	11/17/22 21:17	7440-09-7	B	
Sodium	17800	ug/L	5000	1	11/17/22 10:02	11/17/22 21:17	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 16:01	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/17/22 16:42	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/17/22 16:42	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/17/22 16:42	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/17/22 16:42	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/17/22 16:42	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:42	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/17/22 16:42	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/17/22 16:42	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/17/22 16:42	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/17/22 16:42	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/17/22 16:42	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:42	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:42	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 16:42	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/17/22 16:42	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:42	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:42	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:42	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:42	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:42	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/17/22 16:42	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 16:42	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 16:42	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/17/22 16:42	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW-4S_11/14/2022		Lab ID: 70236731005		Collected: 11/14/22 15:25		Received: 11/14/22 16:57		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/17/22 16:42	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/17/22 16:42	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/17/22 16:42	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/17/22 16:42	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:42	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 16:42	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/17/22 16:42	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/17/22 16:42	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/17/22 16:42	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/17/22 16:42	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-110	1		11/17/22 16:42	460-00-4		
Toluene-d8 (S)	97	%	87-120	1		11/17/22 16:42	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	76-127	1		11/17/22 16:42	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	27.0	mg/L	1.0	1		11/28/22 16:51			
Alkalinity,Bicarbonate (CaCO3)	27.0	mg/L	1.0	1		11/28/22 16:51			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/28/22 16:51		L2	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	158	mg/L	20.0	1		11/17/22 18:41			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	39.0	mg/L	2.0	1		11/23/22 12:58	16887-00-6		
Sulfate	23.6	mg/L	5.0	1		11/23/22 12:58	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	5.8	mg/L	0.25	5		11/22/22 16:06	14797-55-8		
Nitrate-Nitrite (as N)	5.8	mg/L	0.25	5		11/22/22 16:06	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/15/22 22:12	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.16	mg/L	0.10	1		11/17/22 12:02	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: STORAGE BLANK		Lab ID: 70236731006	Collected: 11/14/22 00:00	Received: 11/14/22 16:57	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		11/17/22 17:01	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/17/22 17:01	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/17/22 17:01	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/17/22 17:01	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/17/22 17:01	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/17/22 17:01	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/17/22 17:01	75-00-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/17/22 17:01	110-75-8	
Chloroform	<1.0	ug/L	1.0	1		11/17/22 17:01	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		11/17/22 17:01	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/17/22 17:01	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 17:01	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 17:01	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/17/22 17:01	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/17/22 17:01	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 17:01	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/17/22 17:01	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 17:01	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 17:01	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/17/22 17:01	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/17/22 17:01	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 17:01	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/17/22 17:01	10061-02-6	IC
Ethylbenzene	<1.0	ug/L	1.0	1		11/17/22 17:01	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		11/17/22 17:01	75-09-2	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/17/22 17:01	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		11/17/22 17:01	127-18-4	
Toluene	<1.0	ug/L	1.0	1		11/17/22 17:01	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 17:01	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/17/22 17:01	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		11/17/22 17:01	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/17/22 17:01	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		11/17/22 17:01	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		11/17/22 17:01	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	80-110	1		11/17/22 17:01	460-00-4	
Toluene-d8 (S)	96	%	87-120	1		11/17/22 17:01	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%	76-127	1		11/17/22 17:01	17060-07-0	

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: TRIP BLANK_11/15/2022		Lab ID: 70236731007		Collected: 11/15/22 00:00		Received: 11/15/22 17:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics	Analytical Method: EPA 624.1								
	Pace Analytical Services - Melville								
Benzene	<1.0	ug/L	1.0	1		11/18/22 10:18	71-43-2	IC	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/18/22 10:18	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/18/22 10:18	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/18/22 10:18	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/18/22 10:18	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:18	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/18/22 10:18	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/18/22 10:18	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/18/22 10:18	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/18/22 10:18	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/18/22 10:18	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:18	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:18	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:18	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/18/22 10:18	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:18	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:18	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:18	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:18	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:18	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/18/22 10:18	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 10:18	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 10:18	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1		11/18/22 10:18	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/18/22 10:18	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/18/22 10:18	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/18/22 10:18	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/18/22 10:18	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:18	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:18	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:18	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/18/22 10:18	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/18/22 10:18	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/18/22 10:18	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-110	1		11/18/22 10:18	460-00-4		
Toluene-d8 (S)	94	%	87-120	1		11/18/22 10:18	2037-26-5		
1,2-Dichloroethane-d4 (S)	107	%	76-127	1		11/18/22 10:18	17060-07-0		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN6-M_11/15/2022		Lab ID: 70236731008		Collected: 11/15/22 09:15		Received: 11/15/22 17:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	51700	ug/L	830	1		11/17/22 22:03			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	166J	ug/L	200	1	11/17/22 10:02	11/17/22 22:03	7429-90-5		
Arsenic	<10.0	ug/L	10.0	1	11/17/22 10:02	11/17/22 22:03	7440-38-2		
Cadmium	0.53J	ug/L	2.5	1	11/17/22 10:02	11/17/22 22:03	7440-43-9		
Calcium	14600	ug/L	200	1	11/17/22 10:02	11/17/22 22:03	7440-70-2		
Chromium	14.5	ug/L	10.0	1	11/17/22 10:02	11/17/22 22:03	7440-47-3		
Iron	4170	ug/L	100	1	11/17/22 10:02	11/17/22 22:03	7439-89-6		
Lead	<5.0	ug/L	5.0	1	11/17/22 10:02	11/17/22 22:03	7439-92-1		
Magnesium	3700	ug/L	200	1	11/17/22 10:02	11/17/22 22:03	7439-95-4		
Potassium	7890	ug/L	5000	1	11/17/22 10:02	11/17/22 22:03	7440-09-7	B	
Sodium	16400	ug/L	5000	1	11/17/22 10:02	11/17/22 22:03	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 16:10	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/18/22 10:57	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/18/22 10:57	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/18/22 10:57	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/18/22 10:57	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/18/22 10:57	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:57	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/18/22 10:57	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/18/22 10:57	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/18/22 10:57	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/18/22 10:57	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/18/22 10:57	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:57	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:57	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:57	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/18/22 10:57	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:57	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:57	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:57	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:57	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:57	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/18/22 10:57	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 10:57	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 10:57	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/18/22 10:57	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN6-M_11/15/2022		Lab ID: 70236731008		Collected: 11/15/22 09:15		Received: 11/15/22 17:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/18/22 10:57	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/18/22 10:57	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/18/22 10:57	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/18/22 10:57	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:57	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:57	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:57	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/18/22 10:57	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/18/22 10:57	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/18/22 10:57	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-110	1		11/18/22 10:57	460-00-4		
Toluene-d8 (S)	96	%	87-120	1		11/18/22 10:57	2037-26-5		
1,2-Dichloroethane-d4 (S)	104	%	76-127	1		11/18/22 10:57	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	37.2	mg/L	1.0	1		11/29/22 12:51			
Alkalinity,Bicarbonate (CaCO3)	37.2	mg/L	1.0	1		11/29/22 12:51			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/29/22 12:51			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	136	mg/L	20.0	1		11/21/22 18:18		D6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	40.0	mg/L	2.0	1		11/24/22 01:25	16887-00-6		
Sulfate	9.7	mg/L	5.0	1		11/24/22 01:25	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	2.4	mg/L	0.25	5		11/22/22 16:57	14797-55-8		
Nitrate-Nitrite (as N)	2.5	mg/L	0.25	5		11/22/22 16:57	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	0.035J	mg/L	0.050	1		11/16/22 22:35	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.055J	mg/L	0.10	1		11/17/22 12:03	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN6-S_11/15/2022		Lab ID: 70236731009		Collected: 11/15/22 10:25		Received: 11/15/22 17:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	64900	ug/L	830	1		11/17/22 22:06			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	89.1J	ug/L	200	1	11/17/22 10:02	11/17/22 22:06	7429-90-5		
Arsenic	<10.0	ug/L	10.0	1	11/17/22 10:02	11/17/22 22:06	7440-38-2		
Cadmium	<2.5	ug/L	2.5	1	11/17/22 10:02	11/17/22 22:06	7440-43-9		
Calcium	15600	ug/L	200	1	11/17/22 10:02	11/17/22 22:06	7440-70-2		
Chromium	81.7	ug/L	10.0	1	11/17/22 10:02	11/17/22 22:06	7440-47-3		
Iron	768	ug/L	100	1	11/17/22 10:02	11/17/22 22:06	7439-89-6		
Lead	<5.0	ug/L	5.0	1	11/17/22 10:02	11/17/22 22:06	7439-92-1		
Magnesium	6300	ug/L	200	1	11/17/22 10:02	11/17/22 22:06	7439-95-4		
Potassium	3140J	ug/L	5000	1	11/17/22 10:02	11/17/22 22:06	7440-09-7	B	
Sodium	35700	ug/L	5000	1	11/17/22 10:02	11/17/22 22:06	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 16:12	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/18/22 11:16	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/18/22 11:16	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/18/22 11:16	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/18/22 11:16	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/18/22 11:16	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:16	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/18/22 11:16	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/18/22 11:16	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/18/22 11:16	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/18/22 11:16	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/18/22 11:16	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:16	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:16	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:16	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/18/22 11:16	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:16	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:16	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:16	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:16	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:16	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/18/22 11:16	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 11:16	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 11:16	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/18/22 11:16	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN6-S_11/15/2022		Lab ID: 70236731009		Collected: 11/15/22 10:25		Received: 11/15/22 17:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/18/22 11:16	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/18/22 11:16	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/18/22 11:16	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/18/22 11:16	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:16	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:16	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:16	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/18/22 11:16	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/18/22 11:16	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/18/22 11:16	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-110	1		11/18/22 11:16	460-00-4		
Toluene-d8 (S)	95	%	87-120	1		11/18/22 11:16	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	76-127	1		11/18/22 11:16	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	10.6	mg/L	1.0	1		11/29/22 12:58			
Alkalinity,Bicarbonate (CaCO3)	10.6	mg/L	1.0	1		11/29/22 12:58			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/29/22 12:58			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	196	mg/L	10.0	1		11/21/22 18:19			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	77.0	mg/L	10.0	5		11/25/22 08:00	16887-00-6		
Sulfate	23.8	mg/L	5.0	1		11/24/22 01:38	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	6.2	mg/L	0.25	5		11/22/22 16:58	14797-55-8		
Nitrate-Nitrite (as N)	6.3	mg/L	0.25	5		11/22/22 16:58	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/16/22 22:50	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.068J	mg/L	0.10	1		11/17/22 12:05	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN9-M_11/15/2022		Lab ID: 70236731010		Collected: 11/15/22 12:45		Received: 11/15/22 17:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	141000	ug/L	830	1		11/21/22 13:12			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	80.8J	ug/L	200	1	11/18/22 10:15	11/21/22 13:12	7429-90-5	B	
Arsenic	<10.0	ug/L	10.0	1	11/18/22 10:15	11/21/22 13:12	7440-38-2		
Cadmium	<2.5	ug/L	2.5	1	11/18/22 10:15	11/21/22 13:12	7440-43-9		
Calcium	30100	ug/L	200	1	11/18/22 10:15	11/21/22 13:12	7440-70-2		
Chromium	1.8J	ug/L	10.0	1	11/18/22 10:15	11/21/22 13:12	7440-47-3		
Iron	159	ug/L	100	1	11/18/22 10:15	11/21/22 13:12	7439-89-6		
Lead	<5.0	ug/L	5.0	1	11/18/22 10:15	11/21/22 13:12	7439-92-1		
Magnesium	16000	ug/L	200	1	11/18/22 10:15	11/21/22 13:12	7439-95-4		
Potassium	2770J	ug/L	5000	1	11/18/22 10:15	11/21/22 13:12	7440-09-7		
Sodium	89700	ug/L	5000	1	11/18/22 10:15	11/21/22 13:12	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 16:13	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/18/22 11:35	71-43-2	IC	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/18/22 11:35	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/18/22 11:35	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/18/22 11:35	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/18/22 11:35	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:35	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/18/22 11:35	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/18/22 11:35	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/18/22 11:35	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/18/22 11:35	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/18/22 11:35	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:35	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:35	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:35	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/18/22 11:35	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:35	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:35	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:35	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:35	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:35	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/18/22 11:35	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 11:35	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 11:35	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1		11/18/22 11:35	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN9-M_11/15/2022		Lab ID: 70236731010		Collected: 11/15/22 12:45		Received: 11/15/22 17:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/18/22 11:35	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/18/22 11:35	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/18/22 11:35	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/18/22 11:35	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:35	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:35	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:35	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/18/22 11:35	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/18/22 11:35	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/18/22 11:35	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	103	%	80-110	1		11/18/22 11:35	460-00-4		
Toluene-d8 (S)	97	%	87-120	1		11/18/22 11:35	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	76-127	1		11/18/22 11:35	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	33.3	mg/L	1.0	1		11/29/22 13:04			
Alkalinity,Bicarbonate (CaCO3)	33.3	mg/L	1.0	1		11/29/22 13:04			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/29/22 13:04			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	380	mg/L	10.0	1		11/21/22 18:29			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	210	mg/L	10.0	5		11/25/22 08:14	16887-00-6		
Sulfate	20.6	mg/L	5.0	1		11/24/22 01:52	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.90	mg/L	0.10	2		11/22/22 16:59	14797-55-8		
Nitrate-Nitrite (as N)	0.91	mg/L	0.10	2		11/22/22 16:59	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/16/22 23:12	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.13	mg/L	0.10	1		11/17/22 12:08	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW2-M_11/15/2022		Lab ID: 70236731011		Collected: 11/15/22 14:30		Received: 11/15/22 17:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	49000	ug/L	830	1		11/21/22 13:15			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	314	ug/L	200	1	11/18/22 10:15	11/21/22 13:15	7429-90-5		
Arsenic	<10.0	ug/L	10.0	1	11/18/22 10:15	11/21/22 13:15	7440-38-2		
Cadmium	6.2	ug/L	2.5	1	11/18/22 10:15	11/21/22 13:15	7440-43-9		
Calcium	15800	ug/L	200	1	11/18/22 10:15	11/21/22 13:15	7440-70-2		
Chromium	3.0J	ug/L	10.0	1	11/18/22 10:15	11/21/22 13:15	7440-47-3		
Iron	676	ug/L	100	1	11/18/22 10:15	11/21/22 13:15	7439-89-6		
Lead	4.9J	ug/L	5.0	1	11/18/22 10:15	11/21/22 13:15	7439-92-1		
Magnesium	2330	ug/L	200	1	11/18/22 10:15	11/21/22 13:15	7439-95-4		
Potassium	7230	ug/L	5000	1	11/18/22 10:15	11/21/22 13:15	7440-09-7		
Sodium	13300	ug/L	5000	1	11/18/22 10:15	11/21/22 13:15	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 16:15	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/18/22 11:54	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/18/22 11:54	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/18/22 11:54	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/18/22 11:54	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/18/22 11:54	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:54	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/18/22 11:54	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/18/22 11:54	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/18/22 11:54	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/18/22 11:54	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/18/22 11:54	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:54	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:54	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 11:54	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/18/22 11:54	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:54	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:54	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:54	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:54	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:54	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/18/22 11:54	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 11:54	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 11:54	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/18/22 11:54	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: CW2-M_11/15/2022		Lab ID: 70236731011		Collected: 11/15/22 14:30		Received: 11/15/22 17:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/18/22 11:54	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/18/22 11:54	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/18/22 11:54	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/18/22 11:54	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:54	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 11:54	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/18/22 11:54	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/18/22 11:54	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/18/22 11:54	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/18/22 11:54	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-110	1		11/18/22 11:54	460-00-4		
Toluene-d8 (S)	97	%	87-120	1		11/18/22 11:54	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	76-127	1		11/18/22 11:54	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	49.8	mg/L	1.0	1		11/29/22 13:10			
Alkalinity,Bicarbonate (CaCO3)	49.8	mg/L	1.0	1		11/29/22 13:10			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/29/22 13:10			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	154	mg/L	20.0	1		11/21/22 18:30			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	10.4	mg/L	2.0	1		11/24/22 02:06	16887-00-6		
Sulfate	8.7	mg/L	5.0	1		11/24/22 02:06	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	1.1	mg/L	0.050	1		11/25/22 21:26	14797-55-8		
Nitrate-Nitrite (as N)	1.1	mg/L	0.050	1		11/25/22 21:26	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	0.030J	mg/L	0.050	1		11/16/22 23:18	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.17	mg/L	0.10	1		11/17/22 12:12	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: TRIP BLANK_11/16/2022		Lab ID: 70236731012		Collected: 11/16/22 00:00		Received: 11/16/22 17:17		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/18/22 10:37	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/18/22 10:37	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/18/22 10:37	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/18/22 10:37	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/18/22 10:37	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:37	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/18/22 10:37	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/18/22 10:37	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/18/22 10:37	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/18/22 10:37	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/18/22 10:37	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:37	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:37	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 10:37	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/18/22 10:37	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:37	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:37	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:37	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:37	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:37	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/18/22 10:37	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 10:37	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 10:37	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/18/22 10:37	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/18/22 10:37	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/18/22 10:37	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/18/22 10:37	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/18/22 10:37	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:37	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 10:37	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/18/22 10:37	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/18/22 10:37	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/18/22 10:37	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/18/22 10:37	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-110	1		11/18/22 10:37	460-00-4		
Toluene-d8 (S)	95	%	87-120	1		11/18/22 10:37	2037-26-5		
1,2-Dichloroethane-d4 (S)	106	%	76-127	1		11/18/22 10:37	17060-07-0		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN7-M_11/16/2022		Lab ID: 70236731013		Collected: 11/16/22 15:30		Received: 11/16/22 17:17		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	297000	ug/L	830	1		11/22/22 11:59			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	687	ug/L	200	1	11/21/22 10:10	11/22/22 11:59	7429-90-5	B	
Arsenic	6.5J	ug/L	10.0	1	11/21/22 10:10	11/22/22 11:59	7440-38-2		
Cadmium	<2.5	ug/L	2.5	1	11/21/22 10:10	11/22/22 11:59	7440-43-9		
Calcium	82200	ug/L	200	1	11/21/22 10:10	11/22/22 11:59	7440-70-2		
Chromium	1.2J	ug/L	10.0	1	11/21/22 10:10	11/22/22 11:59	7440-47-3		
Iron	2010	ug/L	100	1	11/21/22 10:10	11/22/22 11:59	7439-89-6		
Lead	<5.0	ug/L	5.0	1	11/21/22 10:10	11/22/22 11:59	7439-92-1		
Magnesium	22200	ug/L	200	1	11/21/22 10:10	11/22/22 11:59	7439-95-4		
Potassium	30100	ug/L	5000	1	11/21/22 10:10	11/22/22 11:59	7440-09-7		
Sodium	165000	ug/L	5000	1	11/21/22 10:10	11/22/22 11:59	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 16:28	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/18/22 12:14	71-43-2	IC	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/18/22 12:14	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/18/22 12:14	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/18/22 12:14	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/18/22 12:14	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/18/22 12:14	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/18/22 12:14	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/18/22 12:14	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/18/22 12:14	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/18/22 12:14	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/18/22 12:14	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 12:14	95-50-1		
1,3-Dichlorobenzene	1.1	ug/L	1.0	1		11/18/22 12:14	541-73-1		
1,4-Dichlorobenzene	1.0	ug/L	1.0	1		11/18/22 12:14	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/18/22 12:14	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 12:14	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 12:14	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 12:14	75-35-4		
cis-1,2-Dichloroethene	1.9	ug/L	1.0	1		11/18/22 12:14	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 12:14	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/18/22 12:14	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 12:14	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 12:14	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1		11/18/22 12:14	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN7-M_11/16/2022		Lab ID: 70236731013		Collected: 11/16/22 15:30		Received: 11/16/22 17:17		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/18/22 12:14	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/18/22 12:14	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/18/22 12:14	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/18/22 12:14	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 12:14	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 12:14	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/18/22 12:14	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/18/22 12:14	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/18/22 12:14	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/18/22 12:14	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-110	1		11/18/22 12:14	460-00-4		
Toluene-d8 (S)	98	%	87-120	1		11/18/22 12:14	2037-26-5		
1,2-Dichloroethane-d4 (S)	107	%	76-127	1		11/18/22 12:14	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	479	mg/L	1.0	1		11/29/22 17:23			
Alkalinity,Bicarbonate (CaCO3)	479	mg/L	1.0	1		11/29/22 17:23			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/29/22 17:23			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	712	mg/L	20.0	1		11/21/22 19:18			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	173	mg/L	10.0	5		11/25/22 20:19	16887-00-6		
Sulfate	81.9	mg/L	5.0	1		11/25/22 00:05	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		11/25/22 21:27	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/25/22 21:27	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/16/22 23:56	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	17.3	mg/L	1.0	10		11/21/22 15:16	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: BLIND		Lab ID: 70236731014	Collected: 11/16/22 00:00	Received: 11/16/22 17:17	Matrix: Water			
DUPLICATE_11/16/2022								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville						
Tot Hardness asCaCO3 (SM 2340B)	290000	ug/L	830	1		11/22/22 12:01		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Aluminum	702	ug/L	200	1	11/21/22 10:10	11/22/22 12:01	7429-90-5	
Arsenic	<10.0	ug/L	10.0	1	11/21/22 10:10	11/22/22 12:01	7440-38-2	
Cadmium	<2.5	ug/L	2.5	1	11/21/22 10:10	11/22/22 12:01	7440-43-9	
Calcium	80200	ug/L	200	1	11/21/22 10:10	11/22/22 12:01	7440-70-2	
Chromium	1.2J	ug/L	10.0	1	11/21/22 10:10	11/22/22 12:01	7440-47-3	
Iron	1950	ug/L	100	1	11/21/22 10:10	11/22/22 12:01	7439-89-6	
Lead	<5.0	ug/L	5.0	1	11/21/22 10:10	11/22/22 12:01	7439-92-1	
Magnesium	21700	ug/L	200	1	11/21/22 10:10	11/22/22 12:01	7439-95-4	
Potassium	28700	ug/L	5000	1	11/21/22 10:10	11/22/22 12:01	7440-09-7	
Sodium	158000	ug/L	5000	1	11/21/22 10:10	11/22/22 12:01	7440-23-5	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville						
Mercury	<0.20	ug/L	0.20	1	11/22/22 11:20	11/22/22 16:30	7439-97-6	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		11/18/22 12:33	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/18/22 12:33	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/18/22 12:33	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/18/22 12:33	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/18/22 12:33	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/18/22 12:33	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/18/22 12:33	75-00-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/18/22 12:33	110-75-8	
Chloroform	<1.0	ug/L	1.0	1		11/18/22 12:33	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		11/18/22 12:33	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/18/22 12:33	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 12:33	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 12:33	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/18/22 12:33	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/18/22 12:33	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 12:33	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/18/22 12:33	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 12:33	75-35-4	
cis-1,2-Dichloroethene	1.8	ug/L	1.0	1		11/18/22 12:33	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/18/22 12:33	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/18/22 12:33	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 12:33	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/18/22 12:33	10061-02-6	IC
Ethylbenzene	<1.0	ug/L	1.0	1		11/18/22 12:33	100-41-4	

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: BLIND DUPLICATE_11/16/2022		Lab ID: 70236731014		Collected: 11/16/22 00:00		Received: 11/16/22 17:17		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/18/22 12:33	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/18/22 12:33	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/18/22 12:33	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/18/22 12:33	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 12:33	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/18/22 12:33	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/18/22 12:33	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/18/22 12:33	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/18/22 12:33	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/18/22 12:33	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-110	1		11/18/22 12:33	460-00-4		
Toluene-d8 (S)	96	%	87-120	1		11/18/22 12:33	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	76-127	1		11/18/22 12:33	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	488	mg/L	1.0	1		11/29/22 17:44			
Alkalinity,Bicarbonate (CaCO3)	488	mg/L	1.0	1		11/29/22 17:44			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/29/22 17:44			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	2530	mg/L	20.0	1		11/21/22 19:19			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	170	mg/L	10.0	5		11/25/22 20:33	16887-00-6		
Sulfate	83.5	mg/L	5.0	1		11/25/22 00:19	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		11/25/22 21:28	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/25/22 21:28	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/16/22 23:57	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	17.0	mg/L	1.0	10		11/21/22 15:17	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: TRIP BLANK_11/17/2022		Lab ID: 70236731015		Collected: 11/17/22 00:00		Received: 11/17/22 18:02		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/20/22 13:50	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/20/22 13:50	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/20/22 13:50	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/20/22 13:50	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/20/22 13:50	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/20/22 13:50	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/20/22 13:50	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/20/22 13:50	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/20/22 13:50	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/20/22 13:50	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/20/22 13:50	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 13:50	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 13:50	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 13:50	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/20/22 13:50	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/20/22 13:50	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/20/22 13:50	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 13:50	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 13:50	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 13:50	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/20/22 13:50	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/22 13:50	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/22 13:50	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/20/22 13:50	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/20/22 13:50	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/20/22 13:50	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/20/22 13:50	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/20/22 13:50	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/20/22 13:50	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/20/22 13:50	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/20/22 13:50	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/20/22 13:50	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/20/22 13:50	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/20/22 13:50	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	102	%	80-110	1		11/20/22 13:50	460-00-4		
Toluene-d8 (S)	97	%	87-120	1		11/20/22 13:50	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	76-127	1		11/20/22 13:50	17060-07-0		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN-1M_11/17/2022		Lab ID: 70236731016		Collected: 11/17/22 13:30		Received: 11/17/22 18:02		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	89000	ug/L	830	1		11/22/22 12:07			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	46.3J	ug/L	200	1	11/21/22 10:10	11/22/22 12:07	7429-90-5		
Arsenic	<10.0	ug/L	10.0	1	11/21/22 10:10	11/22/22 12:07	7440-38-2		
Cadmium	<2.5	ug/L	2.5	1	11/21/22 10:10	11/22/22 12:07	7440-43-9		
Calcium	22400	ug/L	200	1	11/21/22 10:10	11/22/22 12:07	7440-70-2		
Chromium	37.1	ug/L	10.0	1	11/21/22 10:10	11/22/22 12:07	7440-47-3		
Iron	313	ug/L	100	1	11/21/22 10:10	11/22/22 12:07	7439-89-6		
Lead	<5.0	ug/L	5.0	1	11/21/22 10:10	11/22/22 12:07	7439-92-1		
Magnesium	8020	ug/L	200	1	11/21/22 10:10	11/22/22 12:07	7439-95-4		
Potassium	2170J	ug/L	5000	1	11/21/22 10:10	11/22/22 12:07	7440-09-7		
Sodium	25700	ug/L	5000	1	11/21/22 10:10	11/22/22 12:07	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	0.096J	ug/L	0.20	1	11/23/22 11:15	11/23/22 13:24	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/20/22 14:09	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/20/22 14:09	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/20/22 14:09	75-25-2	M1	
Bromomethane	<1.0	ug/L	1.0	1		11/20/22 14:09	74-83-9	IH	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/20/22 14:09	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/20/22 14:09	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/20/22 14:09	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/20/22 14:09	110-75-8		
Chloroform	1.4	ug/L	1.0	1		11/20/22 14:09	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/20/22 14:09	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/20/22 14:09	124-48-1	M1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 14:09	95-50-1	M1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 14:09	541-73-1	M1,R1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 14:09	106-46-7	M1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/20/22 14:09	75-71-8	R1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/20/22 14:09	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/20/22 14:09	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 14:09	75-35-4	R1	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 14:09	156-59-2	R1	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 14:09	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/20/22 14:09	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/22 14:09	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/22 14:09	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/20/22 14:09	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN-1M_11/17/2022		Lab ID: 70236731016		Collected: 11/17/22 13:30		Received: 11/17/22 18:02		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/20/22 14:09	75-09-2	R1	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/20/22 14:09	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/20/22 14:09	127-18-4	M1,R1	
Toluene	<1.0	ug/L	1.0	1		11/20/22 14:09	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/20/22 14:09	71-55-6	R1	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/20/22 14:09	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/20/22 14:09	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/20/22 14:09	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/20/22 14:09	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/20/22 14:09	1330-20-7	MS,RS	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-110	1		11/20/22 14:09	460-00-4		
Toluene-d8 (S)	96	%	87-120	1		11/20/22 14:09	2037-26-5		
1,2-Dichloroethane-d4 (S)	103	%	76-127	1		11/20/22 14:09	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	25.2	mg/L	1.0	1		11/30/22 17:26			
Alkalinity,Bicarbonate (CaCO3)	25.2	mg/L	1.0	1		11/30/22 17:26			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/30/22 17:26		M1	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	183	mg/L	10.0	1		11/22/22 18:40			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	60.1	mg/L	10.0	5		11/25/22 20:46	16887-00-6		
Sulfate	31.1	mg/L	5.0	1		11/25/22 00:33	14808-79-8	M1	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	4.7	mg/L	0.50	10		11/25/22 22:31	14797-55-8		
Nitrate-Nitrite (as N)	4.7	mg/L	0.50	10		11/25/22 22:31	7727-37-9	M1	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/19/22 01:19	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.11	mg/L	0.10	1		11/21/22 14:34	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: FIELD BLANK_11/17/2022		Lab ID: 70236731017		Collected: 11/17/22 09:30		Received: 11/17/22 18:02		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	<830	ug/L	830	1		11/22/22 12:26			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	41.7J	ug/L	200	1	11/21/22 10:10	11/22/22 12:26	7429-90-5		
Arsenic	<10.0	ug/L	10.0	1	11/21/22 10:10	11/22/22 12:26	7440-38-2		
Cadmium	<2.5	ug/L	2.5	1	11/21/22 10:10	11/22/22 12:26	7440-43-9		
Calcium	132J	ug/L	200	1	11/21/22 10:10	11/22/22 12:26	7440-70-2		
Chromium	<10.0	ug/L	10.0	1	11/21/22 10:10	11/22/22 12:26	7440-47-3		
Iron	31.6J	ug/L	100	1	11/21/22 10:10	11/22/22 12:26	7439-89-6		
Lead	<5.0	ug/L	5.0	1	11/21/22 10:10	11/22/22 12:26	7439-92-1		
Magnesium	<200	ug/L	200	1	11/21/22 10:10	11/22/22 12:26	7439-95-4		
Potassium	<5000	ug/L	5000	1	11/21/22 10:10	11/22/22 12:26	7440-09-7		
Sodium	<5000	ug/L	5000	1	11/21/22 10:10	11/22/22 12:26	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	0.14J	ug/L	0.20	1	11/23/22 11:15	11/23/22 13:31	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/20/22 13:31	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/20/22 13:31	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/20/22 13:31	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/20/22 13:31	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/20/22 13:31	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/20/22 13:31	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/20/22 13:31	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/20/22 13:31	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/20/22 13:31	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/20/22 13:31	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/20/22 13:31	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 13:31	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 13:31	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 13:31	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/20/22 13:31	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/20/22 13:31	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/20/22 13:31	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 13:31	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 13:31	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 13:31	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/20/22 13:31	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/22 13:31	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/22 13:31	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/20/22 13:31	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: FIELD BLANK_11/17/2022		Lab ID: 70236731017		Collected: 11/17/22 09:30		Received: 11/17/22 18:02		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	1.1	ug/L	1.0	1		11/20/22 13:31	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/20/22 13:31	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/20/22 13:31	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/20/22 13:31	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/20/22 13:31	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/20/22 13:31	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/20/22 13:31	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/20/22 13:31	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/20/22 13:31	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/20/22 13:31	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	102	%	80-110	1		11/20/22 13:31	460-00-4		
Toluene-d8 (S)	97	%	87-120	1		11/20/22 13:31	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	76-127	1		11/20/22 13:31	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	<1.0	mg/L	1.0	1		11/30/22 17:44			
Alkalinity,Bicarbonate (CaCO3)	<1.0	mg/L	1.0	1		11/30/22 17:44			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/30/22 17:44			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	<10.0	mg/L	10.0	1		11/22/22 18:49			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	0.17J	mg/L	2.0	1		11/25/22 22:21	16887-00-6	B	
Sulfate	0.22J	mg/L	5.0	1		11/25/22 22:21	14808-79-8	B	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		11/25/22 21:35	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		11/25/22 21:35	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/19/22 00:15	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		11/21/22 14:38	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN10-M_11/17/2022		Lab ID: 70236731018		Collected: 11/17/22 16:00		Received: 11/17/22 18:02		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	59700	ug/L	830	1		11/22/22 12:28			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Aluminum	2510	ug/L	200	1	11/21/22 10:10	11/22/22 12:28	7429-90-5	B	
Arsenic	7.6J	ug/L	10.0	1	11/21/22 10:10	11/22/22 12:28	7440-38-2		
Cadmium	<2.5	ug/L	2.5	1	11/21/22 10:10	11/22/22 12:28	7440-43-9		
Calcium	14700	ug/L	200	1	11/21/22 10:10	11/22/22 12:28	7440-70-2		
Chromium	29.4	ug/L	10.0	1	11/21/22 10:10	11/22/22 12:28	7440-47-3		
Iron	3790	ug/L	100	1	11/21/22 10:10	11/22/22 12:28	7439-89-6		
Lead	90.8	ug/L	5.0	1	11/21/22 10:10	11/22/22 12:28	7439-92-1		
Magnesium	5580	ug/L	200	1	11/21/22 10:10	11/22/22 12:28	7439-95-4		
Potassium	2470J	ug/L	5000	1	11/21/22 10:10	11/22/22 12:28	7440-09-7		
Sodium	16200	ug/L	5000	1	11/21/22 10:10	11/22/22 12:28	7440-23-5		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Melville							
Mercury	0.11J	ug/L	0.20	1	11/23/22 11:15	11/23/22 13:33	7439-97-6		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/20/22 14:28	71-43-2	IC	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/20/22 14:28	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/20/22 14:28	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/20/22 14:28	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/20/22 14:28	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/20/22 14:28	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/20/22 14:28	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/20/22 14:28	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/20/22 14:28	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/20/22 14:28	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/20/22 14:28	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 14:28	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 14:28	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/20/22 14:28	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/20/22 14:28	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/20/22 14:28	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/20/22 14:28	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 14:28	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 14:28	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/20/22 14:28	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/20/22 14:28	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/22 14:28	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/20/22 14:28	10061-02-6		
Ethylbenzene	<1.0	ug/L	1.0	1		11/20/22 14:28	100-41-4		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Sample: EN10-M_11/17/2022		Lab ID: 70236731018		Collected: 11/17/22 16:00		Received: 11/17/22 18:02		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Methylene Chloride	<1.0	ug/L	1.0	1		11/20/22 14:28	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/20/22 14:28	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/20/22 14:28	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/20/22 14:28	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/20/22 14:28	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/20/22 14:28	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/20/22 14:28	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/20/22 14:28	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/20/22 14:28	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/20/22 14:28	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-110	1		11/20/22 14:28	460-00-4		
Toluene-d8 (S)	97	%	87-120	1		11/20/22 14:28	2037-26-5		
1,2-Dichloroethane-d4 (S)	105	%	76-127	1		11/20/22 14:28	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	13.1	mg/L	1.0	1		11/30/22 18:36			
Alkalinity,Bicarbonate (CaCO3)	13.1	mg/L	1.0	1		11/30/22 18:36			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		11/30/22 18:36			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	180	mg/L	20.0	1		11/23/22 19:53			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	30.5	mg/L	2.0	1		11/25/22 22:35	16887-00-6		
Sulfate	25.4	mg/L	5.0	1		11/25/22 22:35	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	4.9	mg/L	0.25	5		11/25/22 22:35	14797-55-8		
Nitrate-Nitrite (as N)	4.9	mg/L	0.25	5		11/25/22 22:35	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/19/22 00:51	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.076J	mg/L	0.10	1		11/21/22 14:39	7664-41-7		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283161	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70236731002, 70236731003, 70236731004, 70236731005, 70236731008, 70236731009, 70236731010, 70236731011, 70236731013, 70236731014		

METHOD BLANK:	1431212	Matrix:	Water
Associated Lab Samples:	70236731002, 70236731003, 70236731004, 70236731005, 70236731008, 70236731009, 70236731010, 70236731011, 70236731013, 70236731014		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	11/22/22 15:51	

LABORATORY CONTROL SAMPLE:	1431213					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	101	80-120	

MATRIX SPIKE SAMPLE:	1431214						
Parameter	Units	70236731003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.0	99	75-125	

SAMPLE DUPLICATE: 1431215

Parameter	Units	70236731003 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283389	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731016, 70236731017, 70236731018

METHOD BLANK: 1432239 Matrix: Water

Associated Lab Samples: 70236731016, 70236731017, 70236731018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	11/23/22 13:14	

LABORATORY CONTROL SAMPLE: 1432240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	108	80-120	

MATRIX SPIKE SAMPLE: 1432241

Parameter	Units	70236731016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	0.096J	1	1.1	101	75-125	

SAMPLE DUPLICATE: 1432242

Parameter	Units	70236731016 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	0.096J	0.11J		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch: 282543 Analysis Method: EPA 6010C
QC Batch Method: EPA 3005A Analysis Description: 6010 MET Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70236731002, 70236731003, 70236731004, 70236731005, 70236731008, 70236731009

METHOD BLANK: 1428299 Matrix: Water
Associated Lab Samples: 70236731002, 70236731003, 70236731004, 70236731005, 70236731008, 70236731009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	11/17/22 20:38	
Arsenic	ug/L	<10.0	10.0	11/17/22 20:38	
Cadmium	ug/L	<2.5	2.5	11/17/22 20:38	
Calcium	ug/L	<200	200	11/17/22 20:38	
Chromium	ug/L	<10.0	10.0	11/17/22 20:38	
Iron	ug/L	<100	100	11/17/22 20:38	
Lead	ug/L	<5.0	5.0	11/17/22 20:38	
Magnesium	ug/L	<200	200	11/17/22 20:38	
Potassium	ug/L	1240J	5000	11/17/22 20:38	
Sodium	ug/L	<5000	5000	11/17/22 20:38	

LABORATORY CONTROL SAMPLE: 1428300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	25000	25500	102	80-120	
Arsenic	ug/L	500	499	100	80-120	
Cadmium	ug/L	500	517	103	80-120	
Calcium	ug/L	25000	25300	101	80-120	
Chromium	ug/L	500	504	101	80-120	
Iron	ug/L	12500	12600	101	80-120	
Lead	ug/L	500	518	104	80-120	
Magnesium	ug/L	25000	25300	101	80-120	
Potassium	ug/L	25000	24000	96	80-120	
Sodium	ug/L	25000	25900	104	80-120	

MATRIX SPIKE SAMPLE: 1428302

Parameter	Units	70236039017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	65.4J	12500	12700	101	75-125	
Arsenic	ug/L	<10.0	500	493	98	75-125	
Cadmium	ug/L	<2.5	500	507	101	75-125	
Calcium	ug/L	21400	12500	34000	101	75-125	
Chromium	ug/L	3.4J	500	500	99	75-125	
Iron	ug/L	144	5000	5120	99	75-125	
Lead	ug/L	<5.0	500	510	102	75-125	
Magnesium	ug/L	8660	12500	20800	97	75-125	
Potassium	ug/L	2700J	12500	14100	91	75-125	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

MATRIX SPIKE SAMPLE:		1428302					
Parameter	Units	70236039017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sodium	ug/L	14400	12500	28600	114	75-125	

SAMPLE DUPLICATE: 1428301

Parameter	Units	70236039017 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	65.4J	76.3J		
Arsenic	ug/L	<10.0	<10.0		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	21400	20500	4	
Chromium	ug/L	3.4J	3.0J		
Iron	ug/L	144	144	0	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	8660	8280	4	
Potassium	ug/L	2700J	2590J		
Sodium	ug/L	14400	13500	6	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS
Pace Project No.: 70236731

QC Batch: 282774 Analysis Method: EPA 6010C
QC Batch Method: EPA 3005A Analysis Description: 6010 MET Water
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70236731010, 70236731011

METHOD BLANK: 1429043 Matrix: Water

Associated Lab Samples: 70236731010, 70236731011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	11/21/22 12:50	
Arsenic	ug/L	5.9J	10.0	11/21/22 12:50	
Cadmium	ug/L	<2.5	2.5	11/21/22 12:50	
Calcium	ug/L	<200	200	11/21/22 12:50	
Chromium	ug/L	<10.0	10.0	11/21/22 12:50	
Iron	ug/L	33.7J	100	11/21/22 12:50	
Lead	ug/L	<5.0	5.0	11/21/22 12:50	
Magnesium	ug/L	<200	200	11/21/22 12:50	
Potassium	ug/L	<5000	5000	11/21/22 12:50	
Sodium	ug/L	<5000	5000	11/21/22 12:50	

LABORATORY CONTROL SAMPLE: 1429044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	25000	26800	107	80-120	
Arsenic	ug/L	500	534	107	80-120	
Cadmium	ug/L	500	540	108	80-120	
Calcium	ug/L	25000	26700	107	80-120	
Chromium	ug/L	500	549	110	80-120	
Iron	ug/L	12500	13600	109	80-120	
Lead	ug/L	500	539	108	80-120	
Magnesium	ug/L	25000	26900	108	80-120	
Potassium	ug/L	25000	26300	105	80-120	
Sodium	ug/L	25000	26900	108	80-120	

MATRIX SPIKE SAMPLE: 1429046

Parameter	Units	70237090001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<200	12500	13000	104	75-125	
Arsenic	ug/L	<10.0	500	508	101	75-125	
Cadmium	ug/L	<2.5	500	525	105	75-125	
Calcium	ug/L	<200	12500	13600	109	75-125	
Chromium	ug/L	<10.0	500	534	107	75-125	
Iron	ug/L	<100	5000	5240	105	75-125	
Lead	ug/L	<5.0	500	528	105	75-125	
Magnesium	ug/L	<200	12500	13000	104	75-125	
Potassium	ug/L	<5000	12500	12300	98	75-125	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

MATRIX SPIKE SAMPLE:		1429046					
Parameter	Units	70237090001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sodium	ug/L	<5000	12500	13500	108	75-125	

SAMPLE DUPLICATE: 1429045

Parameter	Units	70237090001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	<200	<200		
Arsenic	ug/L	<10.0	<10.0		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	<200	<200		
Chromium	ug/L	<10.0	<10.0		
Iron	ug/L	<100	<100		
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	<200	<200		
Potassium	ug/L	<5000	<5000		
Sodium	ug/L	<5000	<5000		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282979	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3005A	Analysis Description:	6010 MET Water
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731013, 70236731014, 70236731016, 70236731017, 70236731018

METHOD BLANK: 1430371 Matrix: Water

Associated Lab Samples: 70236731013, 70236731014, 70236731016, 70236731017, 70236731018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	11/22/22 11:52	
Arsenic	ug/L	7.0J	10.0	11/22/22 11:52	
Cadmium	ug/L	<2.5	2.5	11/22/22 11:52	
Calcium	ug/L	<200	200	11/22/22 11:52	
Chromium	ug/L	<10.0	10.0	11/22/22 11:52	
Iron	ug/L	<100	100	11/22/22 11:52	
Lead	ug/L	<5.0	5.0	11/22/22 11:52	
Magnesium	ug/L	<200	200	11/22/22 11:52	
Potassium	ug/L	<5000	5000	11/22/22 11:52	
Sodium	ug/L	<5000	5000	11/22/22 11:52	

LABORATORY CONTROL SAMPLE: 1430372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	25000	24300	97	80-120	
Arsenic	ug/L	500	474	95	80-120	
Cadmium	ug/L	500	488	98	80-120	
Calcium	ug/L	25000	24300	97	80-120	
Chromium	ug/L	500	486	97	80-120	
Iron	ug/L	12500	11900	95	80-120	
Lead	ug/L	500	492	98	80-120	
Magnesium	ug/L	25000	24000	96	80-120	
Potassium	ug/L	25000	24500	98	80-120	
Sodium	ug/L	25000	25500	102	80-120	

MATRIX SPIKE SAMPLE: 1430374

Parameter	Units	70236731016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	46.3J	12500	12300	98	75-125	
Arsenic	ug/L	<10.0	500	482	96	75-125	
Cadmium	ug/L	<2.5	500	495	99	75-125	
Calcium	ug/L	22400	12500	35000	101	75-125	
Chromium	ug/L	37.1	500	533	99	75-125	
Iron	ug/L	313	5000	5180	97	75-125	
Lead	ug/L	<5.0	500	499	100	75-125	
Magnesium	ug/L	8020	12500	19900	95	75-125	
Potassium	ug/L	2170J	12500	14400	98	75-125	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

MATRIX SPIKE SAMPLE:		1430374					
Parameter	Units	70236731016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sodium	ug/L	25700	12500	39100	107	75-125	

MATRIX SPIKE SAMPLE:		1430376					
Parameter	Units	70236960023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	2160	12500	15100	104	75-125	
Arsenic	ug/L	10.6	500	479	94	75-125	
Cadmium	ug/L	0.52J	500	484	97	75-125	
Calcium	ug/L	53000	12500	65900	103	75-125	
Chromium	ug/L	8.4J	500	504	99	75-125	
Iron	ug/L	3050	5000	7920	98	75-125	
Lead	ug/L	24.0	500	511	97	75-125	
Magnesium	ug/L	22200	12500	34400	98	75-125	
Potassium	ug/L	27000	12500	40100	105	75-125	
Sodium	ug/L	65200	12500	80600	123	75-125	

SAMPLE DUPLICATE: 1430373

Parameter	Units	70236731016 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	46.3J	44.8J		
Arsenic	ug/L	<10.0	6.8J		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	22400	22700	1	
Chromium	ug/L	37.1	37.0	0	
Iron	ug/L	313	331	5	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	8020	8120	1	
Potassium	ug/L	2170J	2120J		
Sodium	ug/L	25700	26000	1	

SAMPLE DUPLICATE: 1430375

Parameter	Units	70236960023 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	2160	2180	1	
Arsenic	ug/L	10.6	11.1	5	
Cadmium	ug/L	0.52J	0.56J		
Calcium	ug/L	53000	53600	1	
Chromium	ug/L	8.4J	8.7J		
Iron	ug/L	3050	3130	3	
Lead	ug/L	24.0	23.0	4	
Magnesium	ug/L	22200	22400	1	
Potassium	ug/L	27000	27000	0	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

SAMPLE DUPLICATE: 1430375

Parameter	Units	70236960023 Result	Dup Result	RPD	Qualifiers
Sodium	ug/L	65200	66500	2	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282550	Analysis Method:	EPA 624.1
QC Batch Method:	EPA 624.1	Analysis Description:	624.1 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731001, 70236731002, 70236731003, 70236731004, 70236731005, 70236731006

METHOD BLANK: 1428318 Matrix: Water

Associated Lab Samples: 70236731001, 70236731002, 70236731003, 70236731004, 70236731005, 70236731006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/17/22 09:28	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/17/22 09:28	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/17/22 09:28	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/17/22 09:28	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/17/22 09:28	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	11/17/22 09:28	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/17/22 09:28	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/17/22 09:28	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/17/22 09:28	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	11/17/22 09:28	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	11/17/22 09:28	
Benzene	ug/L	<1.0	1.0	11/17/22 09:28	
Bromodichloromethane	ug/L	<1.0	1.0	11/17/22 09:28	
Bromoform	ug/L	<1.0	1.0	11/17/22 09:28	
Bromomethane	ug/L	<1.0	1.0	11/17/22 09:28	
Carbon tetrachloride	ug/L	<1.0	1.0	11/17/22 09:28	
Chlorobenzene	ug/L	<1.0	1.0	11/17/22 09:28	
Chloroethane	ug/L	<1.0	1.0	11/17/22 09:28	
Chloroform	ug/L	<1.0	1.0	11/17/22 09:28	
Chloromethane	ug/L	<1.0	1.0	11/17/22 09:28	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/17/22 09:28	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/17/22 09:28	
Dibromochloromethane	ug/L	<1.0	1.0	11/17/22 09:28	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/17/22 09:28	
Ethylbenzene	ug/L	<1.0	1.0	11/17/22 09:28	
Methylene Chloride	ug/L	<1.0	1.0	11/17/22 09:28	
Tetrachloroethene	ug/L	<1.0	1.0	11/17/22 09:28	
Toluene	ug/L	<1.0	1.0	11/17/22 09:28	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/17/22 09:28	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/17/22 09:28	IC
Trichloroethene	ug/L	<1.0	1.0	11/17/22 09:28	
Trichlorofluoromethane	ug/L	<1.0	1.0	11/17/22 09:28	
Vinyl chloride	ug/L	<1.0	1.0	11/17/22 09:28	
Xylene (Total)	ug/L	<1.0	1.0	11/17/22 09:28	
1,2-Dichloroethane-d4 (S)	%	106	76-127	11/17/22 09:28	
4-Bromofluorobenzene (S)	%	98	80-110	11/17/22 09:28	
Toluene-d8 (S)	%	97	87-120	11/17/22 09:28	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

LABORATORY CONTROL SAMPLE: 1428319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.2	111	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	102	60-140	
1,1,2-Trichloroethane	ug/L	20	21.6	108	70-130	
1,1-Dichloroethane	ug/L	20	21.9	110	70-130	
1,1-Dichloroethene	ug/L	20	23.2	116	70-130	
1,2-Dichlorobenzene	ug/L	20	20.4	102	65-135	
1,2-Dichloroethane	ug/L	20	22.7	113	70-130	
1,2-Dichloropropane	ug/L	20	21.7	108	35-165	
1,3-Dichlorobenzene	ug/L	20	20.3	101	70-130	
1,4-Dichlorobenzene	ug/L	20	20.1	100	65-135	
2-Chloroethylvinyl ether	ug/L	20	20.2	101	10-225	
Benzene	ug/L	20	20.6	103	65-135	
Bromodichloromethane	ug/L	20	22.8	114	65-135	
Bromoform	ug/L	20	22.3	111	70-130	
Bromomethane	ug/L	20	23.7	118	15-185	IH
Carbon tetrachloride	ug/L	20	21.1	106	70-130	
Chlorobenzene	ug/L	20	20.4	102	65-135	
Chloroethane	ug/L	20	22.0	110	40-160	
Chloroform	ug/L	20	22.9	114	70-135	
Chloromethane	ug/L	20	19.5	97	10-205	
cis-1,2-Dichloroethene	ug/L	20	21.4	107	77-121	
cis-1,3-Dichloropropene	ug/L	20	21.5	107	25-175	
Dibromochloromethane	ug/L	20	22.3	112	70-135	
Dichlorodifluoromethane	ug/L	20	22.3	111	10-131	v1
Ethylbenzene	ug/L	20	19.8	99	60-140	
Methylene Chloride	ug/L	20	20.7	104	60-140	
Tetrachloroethene	ug/L	20	18.5	93	65-135	
Toluene	ug/L	20	20.1	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.2	106	70-130	
trans-1,3-Dichloropropene	ug/L	20	22.7	113	50-150	IC
Trichloroethene	ug/L	20	20.2	101	65-135	
Trichlorofluoromethane	ug/L	20	24.1	121	50-150	
Vinyl chloride	ug/L	20	21.3	107	5-195	
Xylene (Total)	ug/L	60	59.0	98	77-121	
1,2-Dichloroethane-d4 (S)	%			103	76-127	
4-Bromofluorobenzene (S)	%			98	80-110	
Toluene-d8 (S)	%			94	87-120	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282756	Analysis Method:	EPA 624.1
QC Batch Method:	EPA 624.1	Analysis Description:	624.1 MSV
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70236731007, 70236731008, 70236731009, 70236731010, 70236731011, 70236731012, 70236731013, 70236731014		

METHOD BLANK: 1428990

Matrix: Water

Associated Lab Samples: 70236731007, 70236731008, 70236731009, 70236731010, 70236731011, 70236731012, 70236731013, 70236731014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/18/22 08:35	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/18/22 08:35	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/18/22 08:35	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/18/22 08:35	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/18/22 08:35	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	11/18/22 08:35	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/18/22 08:35	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/18/22 08:35	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/18/22 08:35	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	11/18/22 08:35	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	11/18/22 08:35	
Benzene	ug/L	<1.0	1.0	11/18/22 08:35	
Bromodichloromethane	ug/L	<1.0	1.0	11/18/22 08:35	
Bromoform	ug/L	<1.0	1.0	11/18/22 08:35	
Bromomethane	ug/L	<1.0	1.0	11/18/22 08:35	
Carbon tetrachloride	ug/L	<1.0	1.0	11/18/22 08:35	
Chlorobenzene	ug/L	<1.0	1.0	11/18/22 08:35	
Chloroethane	ug/L	<1.0	1.0	11/18/22 08:35	
Chloroform	ug/L	<1.0	1.0	11/18/22 08:35	
Chloromethane	ug/L	<1.0	1.0	11/18/22 08:35	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/18/22 08:35	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/18/22 08:35	
Dibromochloromethane	ug/L	<1.0	1.0	11/18/22 08:35	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/18/22 08:35	
Ethylbenzene	ug/L	<1.0	1.0	11/18/22 08:35	
Methylene Chloride	ug/L	<1.0	1.0	11/18/22 08:35	
Tetrachloroethene	ug/L	<1.0	1.0	11/18/22 08:35	
Toluene	ug/L	<1.0	1.0	11/18/22 08:35	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/18/22 08:35	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/18/22 08:35	IC
Trichloroethene	ug/L	<1.0	1.0	11/18/22 08:35	
Trichlorofluoromethane	ug/L	<1.0	1.0	11/18/22 08:35	
Vinyl chloride	ug/L	<1.0	1.0	11/18/22 08:35	
Xylene (Total)	ug/L	<1.0	1.0	11/18/22 08:35	
1,2-Dichloroethane-d4 (S)	%	108	76-127	11/18/22 08:35	
4-Bromofluorobenzene (S)	%	100	80-110	11/18/22 08:35	
Toluene-d8 (S)	%	94	87-120	11/18/22 08:35	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

LABORATORY CONTROL SAMPLE: 1428991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.8	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.0	105	60-140	
1,1,2-Trichloroethane	ug/L	20	22.4	112	70-130	
1,1-Dichloroethane	ug/L	20	21.8	109	70-130	
1,1-Dichloroethene	ug/L	20	21.9	109	70-130	
1,2-Dichlorobenzene	ug/L	20	20.2	101	65-135	
1,2-Dichloroethane	ug/L	20	23.2	116	70-130	
1,2-Dichloropropane	ug/L	20	23.1	115	35-165	
1,3-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	20	21.0	105	65-135	
2-Chloroethylvinyl ether	ug/L	20	16.9	84	10-225	
Benzene	ug/L	20	20.5	102	65-135	
Bromodichloromethane	ug/L	20	22.7	114	65-135	
Bromoform	ug/L	20	20.3	101	70-130	
Bromomethane	ug/L	20	9.9	50	15-185	IH
Carbon tetrachloride	ug/L	20	22.2	111	70-130	
Chlorobenzene	ug/L	20	20.7	104	65-135	
Chloroethane	ug/L	20	19.7	98	40-160	
Chloroform	ug/L	20	22.7	113	70-135	
Chloromethane	ug/L	20	11.2	56	10-205	
cis-1,2-Dichloroethene	ug/L	20	21.6	108	77-121	
cis-1,3-Dichloropropene	ug/L	20	22.5	112	25-175	
Dibromochloromethane	ug/L	20	21.4	107	70-135	
Dichlorodifluoromethane	ug/L	20	6.6	33	10-131	
Ethylbenzene	ug/L	20	20.8	104	60-140	
Methylene Chloride	ug/L	20	20.8	104	60-140	
Tetrachloroethene	ug/L	20	19.6	98	65-135	
Toluene	ug/L	20	21.4	107	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.9	105	70-130	
trans-1,3-Dichloropropene	ug/L	20	22.9	114	50-150	IC
Trichloroethene	ug/L	20	21.7	108	65-135	
Trichlorofluoromethane	ug/L	20	22.2	111	50-150	
Vinyl chloride	ug/L	20	13.9	70	5-195	
Xylene (Total)	ug/L	60	61.9	103	77-121	
1,2-Dichloroethane-d4 (S)	%			107	76-127	
4-Bromofluorobenzene (S)	%			100	80-110	
Toluene-d8 (S)	%			93	87-120	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282933	Analysis Method:	EPA 624.1
QC Batch Method:	EPA 624.1	Analysis Description:	624.1 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731015, 70236731016, 70236731017, 70236731018

METHOD BLANK: 1430267 Matrix: Water

Associated Lab Samples: 70236731015, 70236731016, 70236731017, 70236731018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/20/22 11:44	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/20/22 11:44	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/20/22 11:44	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/20/22 11:44	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/20/22 11:44	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	11/20/22 11:44	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/20/22 11:44	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/20/22 11:44	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/20/22 11:44	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	11/20/22 11:44	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	11/20/22 11:44	
Benzene	ug/L	<1.0	1.0	11/20/22 11:44	
Bromodichloromethane	ug/L	<1.0	1.0	11/20/22 11:44	
Bromoform	ug/L	<1.0	1.0	11/20/22 11:44	
Bromomethane	ug/L	<1.0	1.0	11/20/22 11:44	
Carbon tetrachloride	ug/L	<1.0	1.0	11/20/22 11:44	
Chlorobenzene	ug/L	<1.0	1.0	11/20/22 11:44	
Chloroethane	ug/L	<1.0	1.0	11/20/22 11:44	
Chloroform	ug/L	<1.0	1.0	11/20/22 11:44	
Chloromethane	ug/L	<1.0	1.0	11/20/22 11:44	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/20/22 11:44	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/20/22 11:44	
Dibromochloromethane	ug/L	<1.0	1.0	11/20/22 11:44	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/20/22 11:44	
Ethylbenzene	ug/L	<1.0	1.0	11/20/22 11:44	
Methylene Chloride	ug/L	<1.0	1.0	11/20/22 11:44	
Tetrachloroethene	ug/L	<1.0	1.0	11/20/22 11:44	
Toluene	ug/L	<1.0	1.0	11/20/22 11:44	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/20/22 11:44	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/20/22 11:44	IC
Trichloroethene	ug/L	<1.0	1.0	11/20/22 11:44	
Trichlorofluoromethane	ug/L	<1.0	1.0	11/20/22 11:44	
Vinyl chloride	ug/L	<1.0	1.0	11/20/22 11:44	
Xylene (Total)	ug/L	<1.0	1.0	11/20/22 11:44	
1,2-Dichloroethane-d4 (S)	%	104	76-127	11/20/22 11:44	
4-Bromofluorobenzene (S)	%	101	80-110	11/20/22 11:44	
Toluene-d8 (S)	%	96	87-120	11/20/22 11:44	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

LABORATORY CONTROL SAMPLE: 1430268

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	99	60-140	
1,1,2-Trichloroethane	ug/L	20	18.7	93	70-130	
1,1-Dichloroethane	ug/L	20	20.9	104	70-130	
1,1-Dichloroethene	ug/L	20	23.1	115	70-130	
1,2-Dichlorobenzene	ug/L	20	16.6	83	65-135	
1,2-Dichloroethane	ug/L	20	20.3	102	70-130	
1,2-Dichloropropane	ug/L	20	20.0	100	35-165	
1,3-Dichlorobenzene	ug/L	20	16.8	84	70-130	
1,4-Dichlorobenzene	ug/L	20	16.9	84	65-135	
2-Chloroethylvinyl ether	ug/L	20	18.5	93	10-225	
Benzene	ug/L	20	18.6	93	65-135	
Bromodichloromethane	ug/L	20	19.0	95	65-135	
Bromoform	ug/L	20	18.7	94	70-130	
Bromomethane	ug/L	20	18.9	95	15-185 IH	
Carbon tetrachloride	ug/L	20	20.3	102	70-130	
Chlorobenzene	ug/L	20	17.2	86	65-135	
Chloroethane	ug/L	20	23.1	116	40-160	
Chloroform	ug/L	20	20.8	104	70-135	
Chloromethane	ug/L	20	19.1	96	10-205	
cis-1,2-Dichloroethene	ug/L	20	19.6	98	77-121	
cis-1,3-Dichloropropene	ug/L	20	20.0	100	25-175	
Dibromochloromethane	ug/L	20	19.2	96	70-135	
Dichlorodifluoromethane	ug/L	20	15.2	76	10-131	
Ethylbenzene	ug/L	20	17.6	88	60-140	
Methylene Chloride	ug/L	20	19.9	100	60-140	
Tetrachloroethene	ug/L	20	17.0	85	65-135	
Toluene	ug/L	20	18.0	90	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.1	106	50-150 IC	
Trichloroethene	ug/L	20	19.1	96	65-135	
Trichlorofluoromethane	ug/L	20	24.2	121	50-150	
Vinyl chloride	ug/L	20	18.6	93	5-195	
Xylene (Total)	ug/L	60	51.1	85	77-121	
1,2-Dichloroethane-d4 (S)	%			103	76-127	
4-Bromofluorobenzene (S)	%			101	80-110	
Toluene-d8 (S)	%			96	87-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430289 1430290

Parameter	Units	70236731016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	20	20	15.4	23.2	77	116	70-130	40	R1
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	13.5	19.8	67	99	60-140	38	
1,1,2-Trichloroethane	ug/L	<1.0	20	20	14.5	21.1	73	105	70-130	37	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430289 1430290											
Parameter	Units	70236731016		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	
1,1-Dichloroethane	ug/L	<1.0	20	20	20	16.1	23.6	81	118	70-130	38
1,1-Dichloroethene	ug/L	<1.0	20	20	20	17.3	25.3	86	127	70-130	38 R1
1,2-Dichlorobenzene	ug/L	<1.0	20	20	20	12.8	19.7	64	98	65-135	42 M1
1,2-Dichloroethane	ug/L	<1.0	20	20	20	16.1	23.1	81	116	70-130	36
1,2-Dichloropropane	ug/L	<1.0	20	20	20	15.2	22.6	76	113	35-165	39
1,3-Dichlorobenzene	ug/L	<1.0	20	20	20	12.9	20.1	64	100	70-130	44 M1,R1
1,4-Dichlorobenzene	ug/L	<1.0	20	20	20	12.8	19.9	64	100	65-135	43 M1
2-Chloroethylvinyl ether	ug/L	<1.0	20	20	20	12.3	18.6	62	93	10-225	40
Benzene	ug/L	<1.0	20	20	20	14.8	21.7	74	108	65-135	38
Bromodichloromethane	ug/L	<1.0	20	20	20	14.6	21.9	73	110	65-135	40
Bromoform	ug/L	<1.0	20	20	20	12.7	19.0	63	95	70-130	40 M1
Bromomethane	ug/L	<1.0	20	20	20	11.4	18.4	57	92	15-185	47 IH
Carbon tetrachloride	ug/L	<1.0	20	20	20	15.2	23.2	76	116	70-130	41
Chlorobenzene	ug/L	<1.0	20	20	20	13.0	20.2	65	101	65-135	43
Chloroethane	ug/L	<1.0	20	20	20	16.4	22.7	82	113	40-160	32
Chloroform	ug/L	1.4	20	20	20	18.1	25.9	83	123	70-135	36
Chloromethane	ug/L	<1.0	20	20	20	12.0	18.3	60	91	10-205	42
cis-1,2-Dichloroethene	ug/L	<1.0	20	20	20	15.4	23.1	77	115	66-136	40 R1
cis-1,3-Dichloropropene	ug/L	<1.0	20	20	20	13.9	21.3	69	106	25-175	42
Dibromochloromethane	ug/L	<1.0	20	20	20	13.2	21.5	66	108	70-135	48 M1
Dichlorodifluoromethane	ug/L	<1.0	20	20	20	12.1	19.1	60	96	10-146	45 R1
Ethylbenzene	ug/L	<1.0	20	20	20	12.5	20.4	63	102	60-140	48
Methylene Chloride	ug/L	<1.0	20	20	20	14.5	21.4	72	107	60-140	39 R1
Tetrachloroethene	ug/L	<1.0	20	20	20	12.8	20.1	64	101	65-135	45 M1,R1
Toluene	ug/L	<1.0	20	20	20	14.2	21.2	71	106	70-130	39
trans-1,2-Dichloroethene	ug/L	<1.0	20	20	20	15.1	23.0	75	115	70-130	42
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	20	13.4	20.8	67	104	50-150	44 IC
Trichloroethene	ug/L	<1.0	20	20	20	14.5	21.7	72	108	65-135	40
Trichlorofluoromethane	ug/L	<1.0	20	20	20	16.8	26.0	84	130	50-150	43
Vinyl chloride	ug/L	<1.0	20	20	20	13.9	21.5	70	108	5-195	43
Xylene (Total)	ug/L	<1.0	60	60	60	38.6	60.3	64	100	72-141	44 MS,RS
1,2-Dichloroethane-d4 (S)	%							103	103	76-127	
4-Bromofluorobenzene (S)	%							101	101	80-110	
Toluene-d8 (S)	%							96	96	87-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283422	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731002, 70236731003, 70236731004

METHOD BLANK: 1432334 Matrix: Water

Associated Lab Samples: 70236731002, 70236731003, 70236731004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	11/23/22 14:14	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<1.0	1.0	11/23/22 14:14	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	1.0	11/23/22 14:14	

LABORATORY CONTROL SAMPLE: 1432335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	25.0	100	85-115	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L		<1.0			
Alkalinity,Carbonate (CaCO ₃)	mg/L	25	23.7	95	85-115	

MATRIX SPIKE SAMPLE: 1432337

Parameter	Units	70236039017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	48.8	50	96.7	96	75-125	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	48.8		71.3			
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	50	25.4	51	75-125	M1

SAMPLE DUPLICATE: 1432336

Parameter	Units	70236039017 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	48.8	49.0	0	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	48.8	49.0	0	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283697	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731005

METHOD BLANK: 1433545 Matrix: Water

Associated Lab Samples: 70236731005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	0.42J	1.0	11/28/22 14:29	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	0.42J	1.0	11/28/22 14:29	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	1.0	11/28/22 14:29	

LABORATORY CONTROL SAMPLE: 1433546

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	26.0	104	85-115	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L		7.4			
Alkalinity,Carbonate (CaCO ₃)	mg/L	25	18.6	74	85-115	L2

MATRIX SPIKE SAMPLE: 1433548

Parameter	Units	70236824001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	102	50	151	98	75-125	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	102		151			
Alkalinity,Carbonate (CaCO ₃)	mg/L	<0.30	50	<1.0	0	75-125	M0

SAMPLE DUPLICATE: 1433547

Parameter	Units	70236824001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	102	102	0	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	102	102	0	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<0.30	<1.0		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch: 283840 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70236731008, 70236731009, 70236731010, 70236731011

METHOD BLANK: 1434216 Matrix: Water
Associated Lab Samples: 70236731008, 70236731009, 70236731010, 70236731011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	11/29/22 10:18	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<1.0	1.0	11/29/22 10:18	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	1.0	11/29/22 10:18	

LABORATORY CONTROL SAMPLE: 1434217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	25.9	104	85-115	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L		2.4			
Alkalinity,Carbonate (CaCO ₃)	mg/L	25	23.5	94	85-115	

MATRIX SPIKE SAMPLE: 1434219

Parameter	Units	70237089001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	265	50	301	72	75-125	M1
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	265		301			
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	50	<1.0	0	75-125	M1

SAMPLE DUPLICATE: 1434218

Parameter	Units	70237089001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	265	261	1	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	265	261	1	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283891	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731013, 70236731014

METHOD BLANK: 1434438 Matrix: Water

Associated Lab Samples: 70236731013, 70236731014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	0.34J	1.0	11/29/22 15:08	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	0.34J	1.0	11/29/22 15:08	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	1.0	11/29/22 15:08	

LABORATORY CONTROL SAMPLE: 1434439

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	25.7	103	85-115	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L		2.0			
Alkalinity,Carbonate (CaCO ₃)	mg/L	25	23.7	95	85-115	

MATRIX SPIKE SAMPLE: 1434443

Parameter	Units	70236952003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	63.8	50	113	98	75-125	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	63.8		65.9			
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	50	46.8	94	75-125	

SAMPLE DUPLICATE: 1434442

Parameter	Units	70236952003 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	63.8	63.7	0	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	63.8	63.7	0	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS
Pace Project No.: 70236731

QC Batch:	284029	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731016, 70236731017

METHOD BLANK: 1435166 Matrix: Water
Associated Lab Samples: 70236731016, 70236731017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	11/30/22 14:47	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<1.0	1.0	11/30/22 14:47	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	1.0	11/30/22 14:47	

LABORATORY CONTROL SAMPLE: 1435167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	26.5	106	85-115	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L		1.5			
Alkalinity,Carbonate (CaCO ₃)	mg/L	25	25.0	100	85-115	

MATRIX SPIKE SAMPLE: 1435175

Parameter	Units	70236731016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25.2	50	74.0	98	75-125	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	25.2		58.4			
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	50	15.6	31	75-125	M1

SAMPLE DUPLICATE: 1435174

Parameter	Units	70236731016 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25.2	25.0	0	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	25.2	25.0	0	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	284191	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731018

METHOD BLANK: 1435704 Matrix: Water

Associated Lab Samples: 70236731018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	11/30/22 18:15	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<1.0	1.0	11/30/22 18:15	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	1.0	11/30/22 18:15	

LABORATORY CONTROL SAMPLE: 1435705

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	25.8	103	85-115	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L		1.8			
Alkalinity,Carbonate (CaCO ₃)	mg/L	25	24.1	96	85-115	

MATRIX SPIKE SAMPLE: 1435714

Parameter	Units	70237404001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	33.5	50	82.9	99	75-125	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	33.5		42.7			
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	50	40.2	80	75-125	

SAMPLE DUPLICATE: 1435713

Parameter	Units	70237404001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	33.5	33.9	1	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	33.5	33.9	1	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch: 282717 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70236731002, 70236731003, 70236731004, 70236731005

METHOD BLANK: 1428741 Matrix: Water
Associated Lab Samples: 70236731002, 70236731003, 70236731004, 70236731005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	2.0J	10.0	11/17/22 18:14	

LABORATORY CONTROL SAMPLE: 1428742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	474	95	85-115	

MATRIX SPIKE SAMPLE: 1428744

Parameter	Units	70236540001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	168	600	696	88	75-125	

MATRIX SPIKE SAMPLE: 1428746

Parameter	Units	70236039021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	138	300	443	102	75-125	

SAMPLE DUPLICATE: 1428743

Parameter	Units	70236540001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	168	170	1	

SAMPLE DUPLICATE: 1428745

Parameter	Units	70236039021 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	138	156	12 D6	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch: 283107 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70236731008, 70236731009, 70236731010, 70236731011

METHOD BLANK: 1431000 Matrix: Water
Associated Lab Samples: 70236731008, 70236731009, 70236731010, 70236731011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	2.0J	10.0	11/21/22 17:39	

LABORATORY CONTROL SAMPLE: 1431001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	452	90	85-115	

MATRIX SPIKE SAMPLE: 1431003

Parameter	Units	70237127001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	163	300	425	87	75-125	

MATRIX SPIKE SAMPLE: 1431005

Parameter	Units	70236731008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	136	600	686	92	75-125	

SAMPLE DUPLICATE: 1431002

Parameter	Units	70237127001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	163	137	17	D6

SAMPLE DUPLICATE: 1431004

Parameter	Units	70236731008 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	136	128	6	D6

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283110	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731013, 70236731014

METHOD BLANK: 1431006 Matrix: Water

Associated Lab Samples: 70236731013, 70236731014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	11/21/22 18:30	

LABORATORY CONTROL SAMPLE: 1431007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	478	96	85-115	

MATRIX SPIKE SAMPLE: 1431009

Parameter	Units	70236039028 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	406	600	962	93	75-125	

MATRIX SPIKE SAMPLE: 1431011

Parameter	Units	70236039029 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	522	600	1020	83	75-125	

SAMPLE DUPLICATE: 1431008

Parameter	Units	70236039028 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	406	366	10	D6

SAMPLE DUPLICATE: 1431010

Parameter	Units	70236039029 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	522	554	6	D6

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283329	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731016, 70236731017

METHOD BLANK: 1431796 Matrix: Water

Associated Lab Samples: 70236731016, 70236731017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	11/22/22 17:59	

LABORATORY CONTROL SAMPLE: 1431797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	500	100	85-115	

MATRIX SPIKE SAMPLE: 1431799

Parameter	Units	70237085002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	119	300	396	92	75-125	

MATRIX SPIKE SAMPLE: 1431801

Parameter	Units	70236731016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	183	300	484	100	75-125	

SAMPLE DUPLICATE: 1431798

Parameter	Units	70237085002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	119	106	12	D6

SAMPLE DUPLICATE: 1431800

Parameter	Units	70236731016 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	183	187	2	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283564	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731018

METHOD BLANK: 1433065 Matrix: Water

Associated Lab Samples: 70236731018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	11/23/22 19:52	

LABORATORY CONTROL SAMPLE: 1433066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	460	92	85-115	

MATRIX SPIKE SAMPLE: 1433068

Parameter	Units	70236960023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	428	600	974	91	75-125	

MATRIX SPIKE SAMPLE: 1433070

Parameter	Units	70237432001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	349	300	675	109	75-125	

SAMPLE DUPLICATE: 1433067

Parameter	Units	70236960023 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	428	426	0	

SAMPLE DUPLICATE: 1433069

Parameter	Units	70237432001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	349	355	2	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283214	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731002, 70236731003, 70236731004, 70236731005

METHOD BLANK: 1431350 Matrix: Water

Associated Lab Samples: 70236731002, 70236731003, 70236731004, 70236731005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.16J	2.0	11/23/22 10:42	
Sulfate	mg/L	0.23J	5.0	11/23/22 10:42	

LABORATORY CONTROL SAMPLE: 1431351

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.0	100	90-110	
Sulfate	mg/L	10	10.0	100	90-110	

MATRIX SPIKE SAMPLE: 1431352

Parameter	Units	70236341001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	11.5	10	23.1	116	90-110	M1
Sulfate	mg/L	31.4	10	43.3	118	90-110	M1

MATRIX SPIKE SAMPLE: 1431354

Parameter	Units	70236341003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	34.1	10	45.4	113	90-110	M1
Sulfate	mg/L	22.3	10	34.7	123	90-110	M1

SAMPLE DUPLICATE: 1431353

Parameter	Units	70236341001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	11.5	11.5	0	
Sulfate	mg/L	31.4	31.4	0	

SAMPLE DUPLICATE: 1431355

Parameter	Units	70236341003 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	34.1	34.1	0	
Sulfate	mg/L	22.3	22.5	1	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch: 283215 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70236731008, 70236731009, 70236731010, 70236731011

METHOD BLANK: 1431356 Matrix: Water
Associated Lab Samples: 70236731008, 70236731009, 70236731010, 70236731011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.17J	2.0	11/23/22 19:05	
Sulfate	mg/L	0.27J	5.0	11/23/22 19:05	

LABORATORY CONTROL SAMPLE: 1431357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.0	100	90-110	
Sulfate	mg/L	10	10.1	101	90-110	

MATRIX SPIKE SAMPLE: 1431358

Parameter	Units	70236039017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	24.8	10	35.8	110	90-110	
Sulfate	mg/L	18.1	10	29.4	113	90-110 M1	

MATRIX SPIKE SAMPLE: 1431360

Parameter	Units	70236847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	63.8	50	121	115	90-110	
Sulfate	mg/L	41.2	50	100	118	90-110	

SAMPLE DUPLICATE: 1431359

Parameter	Units	70236039017 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	24.8	24.4	1	
Sulfate	mg/L	18.1	17.7	2	

SAMPLE DUPLICATE: 1431361

Parameter	Units	70236847001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	63.8	66.5	4	
Sulfate	mg/L	41.2	41.1	0	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch: 283597 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70236731013, 70236731014, 70236731016, 70236731017, 70236731018

METHOD BLANK: 1433245 Matrix: Water
Associated Lab Samples: 70236731013, 70236731014, 70236731016, 70236731017, 70236731018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.17J	2.0	11/24/22 22:17	
Sulfate	mg/L	0.23J	5.0	11/24/22 22:17	

LABORATORY CONTROL SAMPLE: 1433246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10	100	90-110	
Sulfate	mg/L	10	9.9	99	90-110	

MATRIX SPIKE SAMPLE: 1433247

Parameter	Units	70237384003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	14.7	10	26.2	115	90-110	M1
Sulfate	mg/L	31.7	10	43.3	117	90-110	M1

MATRIX SPIKE SAMPLE: 1433249

Parameter	Units	70236731016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	60.1	50	117	117	90-110	
Sulfate	mg/L	31.1	10	42.8	117	90-110	M1

SAMPLE DUPLICATE: 1433248

Parameter	Units	70237384003 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	14.7	14.7	0	
Sulfate	mg/L	31.7	31.7	0	

SAMPLE DUPLICATE: 1433250

Parameter	Units	70236731016 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	60.1	59.2	1	
Sulfate	mg/L	31.1	31.0	0	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282300	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731002, 70236731003, 70236731004

METHOD BLANK: 1427072 Matrix: Water

Associated Lab Samples: 70236731002, 70236731003, 70236731004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/15/22 21:27	

LABORATORY CONTROL SAMPLE: 1427073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 1427074

Parameter	Units	70236762003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.50	98	90-110	H1

MATRIX SPIKE SAMPLE: 1427076

Parameter	Units	70236824001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.10	0.5	0.58	95	90-110	

SAMPLE DUPLICATE: 1427075

Parameter	Units	70236762003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		H1

SAMPLE DUPLICATE: 1427077

Parameter	Units	70236824001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.10	0.10	0	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282301	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731005

METHOD BLANK: 1427078 Matrix: Water

Associated Lab Samples: 70236731005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/15/22 22:03	

LABORATORY CONTROL SAMPLE: 1427079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 1427080

Parameter	Units	70236824009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.027	0.5	0.49	94	90-110	

MATRIX SPIKE SAMPLE: 1427082

Parameter	Units	70236783002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.39	0.5	0.90	102	90-110	

SAMPLE DUPLICATE: 1427081

Parameter	Units	70236824009 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.027	<0.050		

SAMPLE DUPLICATE: 1427083

Parameter	Units	70236783002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.39	0.40	2	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282508	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731008, 70236731009

METHOD BLANK: 1428089 Matrix: Water

Associated Lab Samples: 70236731008, 70236731009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/16/22 22:26	

LABORATORY CONTROL SAMPLE: 1428090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	103	90-110	

MATRIX SPIKE SAMPLE: 1428091

Parameter	Units	70236920001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.47	90	90-110	

MATRIX SPIKE SAMPLE: 1428093

Parameter	Units	70236919002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.53	0.5	1.0	104	90-110	

SAMPLE DUPLICATE: 1428092

Parameter	Units	70236920001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1428094

Parameter	Units	70236919002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.53	0.54	1	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch: 282509

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrite, Unpres.

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70236731010, 70236731011

METHOD BLANK: 1428095

Matrix: Water

Associated Lab Samples: 70236731010, 70236731011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/16/22 23:02	

LABORATORY CONTROL SAMPLE: 1428096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 1428097

Parameter	Units	70236835001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.48	95	90-110	

MATRIX SPIKE SAMPLE: 1428099

Parameter	Units	70236887003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.48	92	90-110	

SAMPLE DUPLICATE: 1428098

Parameter	Units	70236835001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1428100

Parameter	Units	70236887003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282510	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731013, 70236731014

METHOD BLANK: 1428101 Matrix: Water

Associated Lab Samples: 70236731013, 70236731014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/16/22 23:40	

LABORATORY CONTROL SAMPLE: 1428102

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 1428103

Parameter	Units	70237025002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.18	0.5	0.67	97	90-110	

SAMPLE DUPLICATE: 1428104

Parameter	Units	70237025002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.18	0.18	1	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282893	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731017

METHOD BLANK: 1429705 Matrix: Water

Associated Lab Samples: 70236731017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/19/22 00:02	

LABORATORY CONTROL SAMPLE: 1429706

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 1429707

Parameter	Units	70237251001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.48	95	90-110	

MATRIX SPIKE SAMPLE: 1429709

Parameter	Units	70237251006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.47	93	90-110	

SAMPLE DUPLICATE: 1429708

Parameter	Units	70237251001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1429710

Parameter	Units	70237251006 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282894	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731018

METHOD BLANK: 1429711 Matrix: Water

Associated Lab Samples: 70236731018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/19/22 00:38	

LABORATORY CONTROL SAMPLE: 1429712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	105	90-110	

MATRIX SPIKE SAMPLE: 1429713

Parameter	Units	70237286002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.44	87	90-110	M1

MATRIX SPIKE SAMPLE: 1429715

Parameter	Units	70236960013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.091	0.5	0.53	87	90-110	M1

SAMPLE DUPLICATE: 1429714

Parameter	Units	70237286002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1429716

Parameter	Units	70236960013 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.091	0.092	1	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282895	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731016

METHOD BLANK: 1429717 Matrix: Water

Associated Lab Samples: 70236731016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/19/22 01:16	

LABORATORY CONTROL SAMPLE: 1429718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.1	105	90-110	

MATRIX SPIKE SAMPLE: 1429719

Parameter	Units	70236731016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.48	95	90-110	

MATRIX SPIKE SAMPLE: 1430124

Parameter	Units	70236960023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.49	93	90-110	

SAMPLE DUPLICATE: 1429720

Parameter	Units	70236731016 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1430125

Parameter	Units	70236960023 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282991	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731002, 70236731003, 70236731004

METHOD BLANK: 1430396 Matrix: Water

Associated Lab Samples: 70236731002, 70236731003, 70236731004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	11/21/22 16:39	

LABORATORY CONTROL SAMPLE: 1430397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 1430398

Parameter	Units	70237273001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.8	2.5	4.3	98	90-110	

MATRIX SPIKE SAMPLE: 1430400

Parameter	Units	70236262001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.14	0.5	0.60	93	90-110	

SAMPLE DUPLICATE: 1430399

Parameter	Units	70237273001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.8	1.8	4	

SAMPLE DUPLICATE: 1430401

Parameter	Units	70236262001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.14	0.14	1	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283176	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731005

METHOD BLANK: 1431254 Matrix: Water

Associated Lab Samples: 70236731005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	11/22/22 16:03	

LABORATORY CONTROL SAMPLE: 1431255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 1431256

Parameter	Units	70236731005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.8	2.5	8.4	105	90-110	

MATRIX SPIKE SAMPLE: 1431258

Parameter	Units	70236824006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.038J	0.5	0.49	91	90-110	

SAMPLE DUPLICATE: 1431257

Parameter	Units	70236731005 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.8	5.7	2	

SAMPLE DUPLICATE: 1431259

Parameter	Units	70236824006 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.038J	0.039J		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	283186	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731008, 70236731009, 70236731010

METHOD BLANK: 1431289 Matrix: Water

Associated Lab Samples: 70236731008, 70236731009, 70236731010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	11/22/22 16:40	

LABORATORY CONTROL SAMPLE: 1431290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.97	97	90-110	

MATRIX SPIKE SAMPLE: 1431291

Parameter	Units	70237251002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.8	2.5	5.5	108	90-110	

SAMPLE DUPLICATE: 1431292

Parameter	Units	70237251002 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.8	2.7	6	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch: 283618 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70236731011, 70236731013, 70236731014, 70236731016, 70236731017, 70236731018

METHOD BLANK: 1433299 Matrix: Water
Associated Lab Samples: 70236731011, 70236731013, 70236731014, 70236731016, 70236731017, 70236731018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	11/25/22 21:09	

LABORATORY CONTROL SAMPLE: 1433300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1433301

Parameter	Units	70237869002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.9	2.5	5.1	90	90-110	

MATRIX SPIKE SAMPLE: 1433303

Parameter	Units	70236731016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	4.7	5	9.0	85	90-110	M1

SAMPLE DUPLICATE: 1433302

Parameter	Units	70237869002 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.9	2.8	4	

SAMPLE DUPLICATE: 1433304

Parameter	Units	70236731016 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	4.7	4.5	5	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282401	Analysis Method:	SM22 4500 NH3 H
QC Batch Method:	SM22 4500 NH3 H	Analysis Description:	4500 Ammonia
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731002, 70236731003, 70236731004, 70236731005, 70236731008, 70236731009, 70236731010

METHOD BLANK: 1427484 Matrix: Water

Associated Lab Samples: 70236731002, 70236731003, 70236731004, 70236731005, 70236731008, 70236731009, 70236731010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	0.10	11/17/22 11:37	

LABORATORY CONTROL SAMPLE: 1427485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.94	94	90-110	

MATRIX SPIKE SAMPLE: 1427486

Parameter	Units	70236464010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	1	0.97	93	75-125	

SAMPLE DUPLICATE: 1427487

Parameter	Units	70236464010 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	<0.10		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch:	282568	Analysis Method:	SM22 4500 NH3 H
QC Batch Method:	SM22 4500 NH3 H	Analysis Description:	4500 Ammonia
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70236731011

METHOD BLANK: 1428337 Matrix: Water

Associated Lab Samples: 70236731011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	0.10	11/17/22 12:44	

LABORATORY CONTROL SAMPLE: 1428338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 1428339

Parameter	Units	70236917001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	23.3	10	30.5	73	75-125	

SAMPLE DUPLICATE: 1428340

Parameter	Units	70236917001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	23.3	21.2	9	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

QC Batch: 283032 Analysis Method: SM22 4500 NH3 H
QC Batch Method: SM22 4500 NH3 H Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70236731013, 70236731014, 70236731016, 70236731017, 70236731018

METHOD BLANK: 1430571 Matrix: Water
Associated Lab Samples: 70236731013, 70236731014, 70236731016, 70236731017, 70236731018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	0.10	11/21/22 14:09	

LABORATORY CONTROL SAMPLE: 1430572

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	107	90-110	

MATRIX SPIKE SAMPLE: 1430573

Parameter	Units	70236731016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.11	1	1.1	100	75-125	

SAMPLE DUPLICATE: 1430574

Parameter	Units	70236731016 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.11	0.099J		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: EAST NORTHPORT SA GROUNDWATERS
Pace Project No.: 70236731

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
 ND - Not Detected at or above adjusted reporting limit.
 TNTC - Too Numerous To Count
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
 MDL - Adjusted Method Detection Limit.
 PQL - Practical Quantitation Limit.
 RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
 S - Surrogate
 1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
 Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
 LCS(D) - Laboratory Control Sample (Duplicate)
 MS(D) - Matrix Spike (Duplicate)
 DUP - Sample Duplicate
 RPD - Relative Percent Difference
 NC - Not Calculable.
 SG - Silica Gel - Clean-Up
 U - Indicates the compound was analyzed for, but not detected.
 N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
 Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
 Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
 TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70236731002	CW-1M_11/14/2022	SM22 2340B	283051		
70236731003	CW-1S_11/14/2022	SM22 2340B	283051		
70236731004	CW-4M_11/14/2022	SM22 2340B	283051		
70236731005	CW-4S_11/14/2022	SM22 2340B	283051		
70236731008	EN6-M_11/15/2022	SM22 2340B	283051		
70236731009	EN6-S_11/15/2022	SM22 2340B	283051		
70236731010	EN9-M_11/15/2022	SM22 2340B	283259		
70236731011	CW2-M_11/15/2022	SM22 2340B	283259		
70236731013	EN7-M_11/16/2022	SM22 2340B	283954		
70236731014	BLIND DUPLICATE_11/16/2022	SM22 2340B	283954		
70236731016	EN-1M_11/17/2022	SM22 2340B	283954		
70236731017	FIELD BLANK_11/17/2022	SM22 2340B	283954		
70236731018	EN10-M_11/17/2022	SM22 2340B	283954		
70236731002	CW-1M_11/14/2022	EPA 3005A	282543	EPA 6010C	282674
70236731003	CW-1S_11/14/2022	EPA 3005A	282543	EPA 6010C	282674
70236731004	CW-4M_11/14/2022	EPA 3005A	282543	EPA 6010C	282674
70236731005	CW-4S_11/14/2022	EPA 3005A	282543	EPA 6010C	282674
70236731008	EN6-M_11/15/2022	EPA 3005A	282543	EPA 6010C	282674
70236731009	EN6-S_11/15/2022	EPA 3005A	282543	EPA 6010C	282674
70236731010	EN9-M_11/15/2022	EPA 3005A	282774	EPA 6010C	282849
70236731011	CW2-M_11/15/2022	EPA 3005A	282774	EPA 6010C	282849
70236731013	EN7-M_11/16/2022	EPA 3005A	282979	EPA 6010C	283061
70236731014	BLIND DUPLICATE_11/16/2022	EPA 3005A	282979	EPA 6010C	283061
70236731016	EN-1M_11/17/2022	EPA 3005A	282979	EPA 6010C	283061
70236731017	FIELD BLANK_11/17/2022	EPA 3005A	282979	EPA 6010C	283061
70236731018	EN10-M_11/17/2022	EPA 3005A	282979	EPA 6010C	283061
70236731002	CW-1M_11/14/2022	EPA 7470A	283161	EPA 7470A	283241
70236731003	CW-1S_11/14/2022	EPA 7470A	283161	EPA 7470A	283241
70236731004	CW-4M_11/14/2022	EPA 7470A	283161	EPA 7470A	283241
70236731005	CW-4S_11/14/2022	EPA 7470A	283161	EPA 7470A	283241
70236731008	EN6-M_11/15/2022	EPA 7470A	283161	EPA 7470A	283241
70236731009	EN6-S_11/15/2022	EPA 7470A	283161	EPA 7470A	283241
70236731010	EN9-M_11/15/2022	EPA 7470A	283161	EPA 7470A	283241
70236731011	CW2-M_11/15/2022	EPA 7470A	283161	EPA 7470A	283241
70236731013	EN7-M_11/16/2022	EPA 7470A	283161	EPA 7470A	283241
70236731014	BLIND DUPLICATE_11/16/2022	EPA 7470A	283161	EPA 7470A	283241
70236731016	EN-1M_11/17/2022	EPA 7470A	283389	EPA 7470A	283435
70236731017	FIELD BLANK_11/17/2022	EPA 7470A	283389	EPA 7470A	283435
70236731018	EN10-M_11/17/2022	EPA 7470A	283389	EPA 7470A	283435
70236731001	TRIP BLANK_11/14/2022	EPA 624.1	282550		
70236731002	CW-1M_11/14/2022	EPA 624.1	282550		
70236731003	CW-1S_11/14/2022	EPA 624.1	282550		
70236731004	CW-4M_11/14/2022	EPA 624.1	282550		
70236731005	CW-4S_11/14/2022	EPA 624.1	282550		
70236731006	STORAGE BLANK	EPA 624.1	282550		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70236731007	TRIP BLANK_11/15/2022	EPA 624.1	282756		
70236731008	EN6-M_11/15/2022	EPA 624.1	282756		
70236731009	EN6-S_11/15/2022	EPA 624.1	282756		
70236731010	EN9-M_11/15/2022	EPA 624.1	282756		
70236731011	CW2-M_11/15/2022	EPA 624.1	282756		
70236731012	TRIP BLANK_11/16/2022	EPA 624.1	282756		
70236731013	EN7-M_11/16/2022	EPA 624.1	282756		
70236731014	BLIND DUPLICATE_11/16/2022	EPA 624.1	282756		
70236731015	TRIP BLANK_11/17/2022	EPA 624.1	282933		
70236731016	EN-1M_11/17/2022	EPA 624.1	282933		
70236731017	FIELD BLANK_11/17/2022	EPA 624.1	282933		
70236731018	EN10-M_11/17/2022	EPA 624.1	282933		
70236731002	CW-1M_11/14/2022	SM22 2320B	283422		
70236731003	CW-1S_11/14/2022	SM22 2320B	283422		
70236731004	CW-4M_11/14/2022	SM22 2320B	283422		
70236731005	CW-4S_11/14/2022	SM22 2320B	283697		
70236731008	EN6-M_11/15/2022	SM22 2320B	283840		
70236731009	EN6-S_11/15/2022	SM22 2320B	283840		
70236731010	EN9-M_11/15/2022	SM22 2320B	283840		
70236731011	CW2-M_11/15/2022	SM22 2320B	283840		
70236731013	EN7-M_11/16/2022	SM22 2320B	283891		
70236731014	BLIND DUPLICATE_11/16/2022	SM22 2320B	283891		
70236731016	EN-1M_11/17/2022	SM22 2320B	284029		
70236731017	FIELD BLANK_11/17/2022	SM22 2320B	284029		
70236731018	EN10-M_11/17/2022	SM22 2320B	284191		
70236731002	CW-1M_11/14/2022	SM22 2540C	282717		
70236731003	CW-1S_11/14/2022	SM22 2540C	282717		
70236731004	CW-4M_11/14/2022	SM22 2540C	282717		
70236731005	CW-4S_11/14/2022	SM22 2540C	282717		
70236731008	EN6-M_11/15/2022	SM22 2540C	283107		
70236731009	EN6-S_11/15/2022	SM22 2540C	283107		
70236731010	EN9-M_11/15/2022	SM22 2540C	283107		
70236731011	CW2-M_11/15/2022	SM22 2540C	283107		
70236731013	EN7-M_11/16/2022	SM22 2540C	283110		
70236731014	BLIND DUPLICATE_11/16/2022	SM22 2540C	283110		
70236731016	EN-1M_11/17/2022	SM22 2540C	283329		
70236731017	FIELD BLANK_11/17/2022	SM22 2540C	283329		
70236731018	EN10-M_11/17/2022	SM22 2540C	283564		
70236731002	CW-1M_11/14/2022	EPA 300.0	283214		
70236731003	CW-1S_11/14/2022	EPA 300.0	283214		
70236731004	CW-4M_11/14/2022	EPA 300.0	283214		
70236731005	CW-4S_11/14/2022	EPA 300.0	283214		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70236731008	EN6-M_11/15/2022	EPA 300.0	283215		
70236731009	EN6-S_11/15/2022	EPA 300.0	283215		
70236731010	EN9-M_11/15/2022	EPA 300.0	283215		
70236731011	CW2-M_11/15/2022	EPA 300.0	283215		
70236731013	EN7-M_11/16/2022	EPA 300.0	283597		
70236731014	BLIND DUPLICATE_11/16/2022	EPA 300.0	283597		
70236731016	EN-1M_11/17/2022	EPA 300.0	283597		
70236731017	FIELD BLANK_11/17/2022	EPA 300.0	283597		
70236731018	EN10-M_11/17/2022	EPA 300.0	283597		
70236731002	CW-1M_11/14/2022	EPA 353.2	282991		
70236731003	CW-1S_11/14/2022	EPA 353.2	282991		
70236731004	CW-4M_11/14/2022	EPA 353.2	282991		
70236731005	CW-4S_11/14/2022	EPA 353.2	283176		
70236731008	EN6-M_11/15/2022	EPA 353.2	283186		
70236731009	EN6-S_11/15/2022	EPA 353.2	283186		
70236731010	EN9-M_11/15/2022	EPA 353.2	283186		
70236731011	CW2-M_11/15/2022	EPA 353.2	283618		
70236731013	EN7-M_11/16/2022	EPA 353.2	283618		
70236731014	BLIND DUPLICATE_11/16/2022	EPA 353.2	283618		
70236731016	EN-1M_11/17/2022	EPA 353.2	283618		
70236731017	FIELD BLANK_11/17/2022	EPA 353.2	283618		
70236731018	EN10-M_11/17/2022	EPA 353.2	283618		
70236731002	CW-1M_11/14/2022	EPA 353.2	282300		
70236731003	CW-1S_11/14/2022	EPA 353.2	282300		
70236731004	CW-4M_11/14/2022	EPA 353.2	282300		
70236731005	CW-4S_11/14/2022	EPA 353.2	282301		
70236731008	EN6-M_11/15/2022	EPA 353.2	282508		
70236731009	EN6-S_11/15/2022	EPA 353.2	282508		
70236731010	EN9-M_11/15/2022	EPA 353.2	282509		
70236731011	CW2-M_11/15/2022	EPA 353.2	282509		
70236731013	EN7-M_11/16/2022	EPA 353.2	282510		
70236731014	BLIND DUPLICATE_11/16/2022	EPA 353.2	282510		
70236731016	EN-1M_11/17/2022	EPA 353.2	282895		
70236731017	FIELD BLANK_11/17/2022	EPA 353.2	282893		
70236731018	EN10-M_11/17/2022	EPA 353.2	282894		
70236731002	CW-1M_11/14/2022	SM22 4500 NH3 H	282401		
70236731003	CW-1S_11/14/2022	SM22 4500 NH3 H	282401		
70236731004	CW-4M_11/14/2022	SM22 4500 NH3 H	282401		
70236731005	CW-4S_11/14/2022	SM22 4500 NH3 H	282401		
70236731008	EN6-M_11/15/2022	SM22 4500 NH3 H	282401		
70236731009	EN6-S_11/15/2022	SM22 4500 NH3 H	282401		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

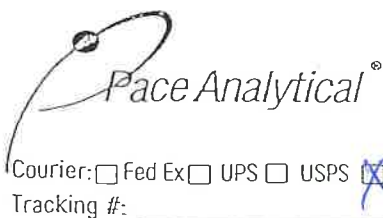
Project: EAST NORTHPORT SA GROUNDWATERS

Pace Project No.: 70236731

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70236731010	EN9-M_11/15/2022	SM22 4500 NH3 H	282401		
70236731011	CW2-M_11/15/2022	SM22 4500 NH3 H	282568		
70236731013	EN7-M_11/16/2022	SM22 4500 NH3 H	283032		
70236731014	BLIND DUPLICATE_11/16/2022	SM22 4500 NH3 H	283032		
70236731016	EN-1M_11/17/2022	SM22 4500 NH3 H	283032		
70236731017	FIELD BLANK_11/17/2022	SM22 4500 NH3 H	283032		
70236731018	EN10-M_11/17/2022	SM22 4500 NH3 H	283032		

REPORT OF LABORATORY ANALYSIS

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Sample Collection Upon Receipt

WO#: 70236731

Client Name:

D&B

Project:

PM: GFD

Due Date: 11/23/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: T1148

Correction Factor: + 0.1

Cooler Temperature(°C): 1.2

Cooler Temperature Corrected(°C): 1.3

Temperature Blank Present: ☐ Yes ☒ NoType of Ice: ☒ Wet ☐ Blue ☐ None☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: KW 11/14/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☒ Yes	☐ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.
Sufficient Volume: (Triple volume provided for)	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL WT OIL				
All containers needing preservation have been checked?	☒ Yes	☐ No	☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # H293085				Sample #
All containers needing preservation are found to be in compliance with method recommendation?				
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☒ Yes	☐ No	☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRD/8015 (water).				
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14. Initial when completed: Lot # of added preservative: Date/Time preservative added:
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	16.
Trip Blank Present:	☒ Yes	☐ No	☐ N/A	17.
Trip Blank Custody Seals Present	☒ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

ENV-FRM-MELV-0024 01

WO#: 70236731

PM: GFD Due Date: 11/23/22
CLIENT: D&B

CHAIN-OF-CUSTODY / ANALYSIS

The Chain-of-Custody is a LEGAL DOCUMENT
Submitting a sample via this chain constitutes acknowledgment and acceptance of the Pace Terms and Conditions

Section A
Required Client Information:
Company: Dvirka & Bartolucci
Address: 330 Crossways Park Drive
Woodbury, NY 11797
Email: krobins@db-eng.com
Phone: (516) 578-5546
Fax: (516) 578-5546
Requested Due Date: 5 standard

Section B
Required Project Information:
Report To: Keith Robins
Copy To:
Purchase Order #:
Project Name: East Northport Landfill SA Groundwaters
Project #: 5629 - second semi annual event

Section C
Invoice Information:
Attention: Keith Robins
Company Name: D&B Engineers & Architects
Address: 330 Crossways Park Drive
Pace Quote:
Pace Project Manager: giovanna.deluca@pacelabs.com
Pace Profile #: 5278

Regulatory Agency
State / Location
NY

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	DATE		TIME	RELINQUISHED BY / AFFILIATION	DATE		TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
			START	END		DATE	TIME			DATE	TIME							
1	Trip Blank	11/15/2022	11/15/22	11/15/22	WT	11/15/22	11/15/22	11/15/22	Ryan Lee / D&B	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22
2	ENG-M	11/15/2022	11/15/22	11/15/22	WT	11/15/22	11/15/22	11/15/22	Ryan Lee / D&B	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22
3	ENG-S	11/15/2022	11/15/22	11/15/22	WT	11/15/22	11/15/22	11/15/22	Ryan Lee / D&B	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22
4	ENG-M	11/15/2022	11/15/22	11/15/22	WT	11/15/22	11/15/22	11/15/22	Ryan Lee / D&B	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22
5	CW2-M	11/15/2022	11/15/22	11/15/22	WT	11/15/22	11/15/22	11/15/22	Ryan Lee / D&B	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22	11/15/22
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Additional Comments: Ryan Lee / D&B

Signature of Sampler: Ryan Lee / D&B

Date Signed: 11/15/22

Signature of Client: Keith Robins

Date Signed: 11/15/22

Signature of Analyst: Keith Robins

Date Signed: 11/15/22

Signature of Custodian: Keith Robins

Date Signed: 11/15/22

Signature of Receiver: Keith Robins

Date Signed: 11/15/22

Signature of Inlet: Keith Robins

Date Signed: 11/15/22

Signature of Samples: Keith Robins

Date Signed: 11/15/22



Sample Condition Upon Re

WO#: 70236731

Client Name:

Pre

PM: GFD

Due Date: 11/23/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: T1148

Correction Factor: + 0.1

Temperature Blank Present: ☐ Yes ☒ NoType of Ice: ☒ Wet ☐ Blue ☐ None☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 1.2

Cooler Temperature Corrected(°C): 1.3

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sample

Date and Initials of person examining contents: RW 11/15/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:		
Chain of Custody Present:	☒ Yes	☐ No		1.		
Chain of Custody Filled Out:	☒ Yes	☐ No		2.		
Chain of Custody Relinquished:	☐ Yes	☐ No		3.		
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.		
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.		
Short Hold Time Analysis (<72hr):	☒ Yes	☐ No		6.		
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.		
Sufficient Volume: (Triple volume provided for)	☒ Yes	☐ No		8.		
Correct Containers Used:	☒ Yes	☐ No		9.		
-Pace Containers Used:	☒ Yes	☐ No		10.		
Containers Intact:	☒ Yes	☐ No		11.		
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	Note if sediment is visible in the dissolved container.		
Sample Labels match COC:	☒ Yes	☐ No		12.		
-Includes date/time/ID, Matrix: SL WT OIL						
All containers needing preservation have been checked?	☒ Yes	☐ No	☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl		
pH paper Lot # H293085				Sample #		
All containers needing preservation are found to be in compliance with method recommendation?	☒ Yes	☐ No	☐ N/A			
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)						
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: Lot # of added Date/Time preservative		
Per Method, VOA pH is checked after analysis				preservative: added:		
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14.		
KI starch test strips Lot #				Positive for Res. Chlorine? Y N		
Residual chlorine strips Lot #						
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15.		
Lead Acetate Strips Lot #				Positive for Sulfide? Y N		
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	16.		
Trip Blank Present:	☒ Yes	☐ No	☐ N/A	17.		
Trip Blank Custody Seals Present	☒ Yes	☐ No	☐ N/A			
Pace Trip Blank Lot # (if applicable):						

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:



Sample Collection Upon Receipt

WO#: 70236731

Client Name: D&B

Proj:

PM: GFD

Due Date: 11/23/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No ☐ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☒ None ☐ OtherThermometer Used: T1148Correction Factor: + 0.1Temperature Blank Present: ☒ Yes ☐ NoType of Ice: Wet Blue NoneCooler Temperature (°C): 1.6Cooler Temperature Corrected (°C): 1.7☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sampleDate and Initials of person examining contents: KW 11/16/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☒ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.
Sufficient Volume: (Triple volume provided for I)	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☒ Yes	☐ No	☐ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No		12.
-Includes date/time/ID, Matrix: <u>SL WT OIL</u>				
All containers needing preservation have been checked?	☒ Yes	☐ No	☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>4024306</u>				Sample #
All containers needing preservation are found to be in compliance with method recommendation?				
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☒ Yes	☐ No	☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: Lot # of added preservative: Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	16.
Trip Blank Present:	☒ Yes	☐ No	☐ N/A	17.
Trip Blank Custody Seals Present	☒ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Sample Condition Upon Receipt

Pace Analytical®

Client Name:

D & B

Proc

WO#: 70236731

PM: GFD

Due Date: 11/23/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: T1148

Correction Factor: + 0.1

Cooler Temperature(°C): 1.8

Cooler Temperature Corrected(°C): 1.9

Temperature Blank Present: ☐ Yes ☒ NoType of Ice: ☒ Wet ☐ Blue ☐ None☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: SBR 11/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	☒ Yes ☐ No	1.
Chain of Custody Filled Out:	☒ Yes ☐ No	2.
Chain of Custody Relinquished:	☒ Yes ☐ No	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr):	☒ Yes ☐ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume: (Triple volume provided for)	☒ Yes ☐ No	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No	10.
Containers Intact:	☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests	☒ Yes ☐ No ☐ N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes ☐ No	12.
-Includes date/time/ID, Matrix: SL WT OIL		
All containers needing preservation have been checked?	☒ Yes ☐ No ☐ N/A	13.
pH paper Lot # HC 293085		
All containers needing preservation are found to be in compliance with method recommendation?	☒ Yes ☐ No ☐ N/A	Sample #
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)		
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRD/8015 (water).		
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		
Residual chlorine strips Lot #		Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes ☐ No ☒ N/A	15.
Lead Acetate Strips Lot #		Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	16.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	17.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>.

Section A

Required Client Information:

Company: Dvirka & Barilucci
Address: 330 Crossways Park Drive
Woodbury, NY 11797
Phone: krabins@db-eng.com
Fax: (516) 578-5546
Requested Due Date: Standard

Section B

Required Project Information:

Report To: Keith Robins
Copy To:
Purchase Order #:
Project Name: East Northport Landfill SA Groundwaters
Project #: 5620 - Second Semi-Annual event 2022

Invoice Information:

Attention: Keith Robins
Company Name: DB Engineers + Architects
Address: 330 Crossways Park Drive
Pace Quote:
Pace Project Manager: giovanna.delecca@pacelabs.com
Pace Profile #: 5278

Page: 1 of 1

Regulatory/Agency

State / Location

NY

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	DATE		TIME	# OF CONTAINERS	PRESERVATIVES						Analyses Test Y/N	Requested Analysis Filtered (Y/N)						Residual Chlorine (Y/N)	SAMPLE CATIONS
			START	END			DATE	TIME			Unpreserved	H2SO4	HNO3	NaOH	Na2S2O3	Methanol	Other								
1	Trip Blank	11/17/2022	11/17/22	-	WT	G	11/17/22	-	1	2	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
2	EN1-M-11/17/2022	WT	G	11/17/22	1:30	11/17/22	-	5	1	2	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
3	EN1-M-11/17/2022 (MS)	WT	G	11/17/22	1:30	11/17/22	-	5	1	2	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
4	EN1-M-11/17/2022 (MSD)	WT	G	11/17/22	1:30	11/17/22	-	5	1	2	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
5	Field Blank	11/17/2022	WT	G	11/17/22	9:30	11/17/22	-	5	1	2	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
6	EN10-M-11/17/2022	WT	G	11/17/22	4:00	11/17/22	-	5	1	2	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
7																									
8																									
9																									
10																									
11																									
12																									

SAMPLE ID

One Character per box.
(A-Z, 0-9, -, /, .)
Sample IDs must be unique

Vol, Aluminum, arsenic, Cadmium, calcium, Chromium, iron, Lead, mercury, Magnesium, potassium, Sodium, Alkalinity, Bicarbonate, carbonate, nitrate, chloride, Sulfate, TDS, Hardness

ADDITIONAL COMMENTS

Metals = ALAS, Cr, Cd, Fe, Pb, Mg, Hg, K, & Na + Hardness
Provide category "B" and Equis
Send data to labdata@db-eng.com

Ryan Lee/D+B

11/17/22 6:00

11/17/22 Pacel I

11/17/22 18:02

1.8

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

Ryan Lee

SIGNATURE of SAMPLER:

Ryan Lee

DATE Signed:

11/17/22

Received on

TEMP in C

December 08, 2022

Keith Robins
Dvirka & Bartilucci
330 Crossways Park Drive
Woodbury, NY 11797

RE: Project: EAST NORTHPORT SA PFAS/1,4
Pace Project No.: 70237080

Dear Keith Robins:

Enclosed are the analytical results for sample(s) received by the laboratory between November 16, 2022 and November 17, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

1,4 Dioxane samples were analyzed by Eurofins TestAmerica, 10 Hazelwood Dr., Amherst, NY 14228

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Giovanna F. Deloca
giovanna.deloca@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Donna Brown, D&B Engineers and Architects, P.C.
Tom Fox, D&B Engineers and Architects, P.C.
Tracey Garland, Dvirka & Bartilucci
Robbin Petrella, D&B Engineers and Architects, P.C.



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

PROJECT NARRATIVE

Project:

Pace Project No.:

Method:

Description:

Client:

Date:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

NO#: 70237080

CHAIN-OF-CUSTODY / Analyti



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions

Section A
Company: Dvika & Bartilucci
Address: 330 Crossways Park Drive
Woodbury, NY 11797
Phone: (516) 578-5546
Fax: (516) 578-5546
Email: krobins@db-eng.com
Requested Due Date: 5/10/2022

Section B
Report To: Keith Robbins
Copy To: ---
Purchase Order #: ---
Project Name: East Northport PFAS/1,4 Dioxane
Project #: 5029-second semi annual

Section C
Attention: Keith Robbins
Company Name: DB Engineers & Architects
Address: 330 Crossways Park Dr
Pace Quote: ---
Pace Project Manager: giovanna.deluca@pacelabs.com
Pace Profile #: 5278

Regulatory Agency
State / Location
NY

Page: 1 Of 1

Page: 1 Of 1

Invoice Information:

Required Project Information:

Required Client Information:

ITEM #	MATRIX	CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
				START	END								
1	Drinking Water	DW	WT G	3:30	4:15	5/16/22	---	5/16/22	17:17	1.6	---	---	---
2	Water	WT	WT G	4:15	4:30	5/16/22	---	5/16/22	17:17	---	---	---	---
3	Waste Water	WW	WT G	4:30	4:45	5/16/22	---	5/16/22	17:17	---	---	---	---
4	Product	P	WT G	4:45	5:00	5/16/22	---	5/16/22	17:17	---	---	---	---
5	Soil/Solid	SL	WT G	5:00	5:15	5/16/22	---	5/16/22	17:17	---	---	---	---
6	Oil	OL	WT G	5:15	5:30	5/16/22	---	5/16/22	17:17	---	---	---	---
7	Wipe	WP	WT G	5:30	5:45	5/16/22	---	5/16/22	17:17	---	---	---	---
8	Air	AR	WT G	5:45	6:00	5/16/22	---	5/16/22	17:17	---	---	---	---
9	Other	OT	WT G	6:00	6:15	5/16/22	---	5/16/22	17:17	---	---	---	---
10	Tissue	TS	WT G	6:15	6:30	5/16/22	---	5/16/22	17:17	---	---	---	---
11													
12													

Pace Analytical®

Client Name: D&B

Project

PM: GFD

Due Date: 12/14/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No ☐ N/APacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Ziploc ☐ None ☐ OtherThermometer Used: T1148Correction Factor: + 0.1Cooler Temperature(°C): 1.6Cooler Temperature Corrected(°C): 1.7Temperature Blank Present: ☒ Yes ☐ NoType of Ice: Wet Blue None☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sampleDate and Initials of person examining contents: KW 11/14/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.
Sufficient Volume: (Triple volume provided for I)	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: <u>SL WT OIL</u>				
All-containers needing preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO ₃ ☒ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation?				
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐ Yes	☐ No	☒ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRD/8015 (water).				Initial when completed: Lot # of added preservative: Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☒ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:



Sample Condition Upon Receipt

WO#: 70237080

Client Name:

PM: GFD

Due Date: 12/14/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: T1148

Correction Factor: + 0.1

Cooler Temperature(°C): 1.8

Cooler Temperature Corrected(°C): 1.9

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sample

Date and Initials of person examining contents: SAE 11/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.
Sufficient Volume: (Triple volume provided for)	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		10.
Containers Intact:	☒ Yes	☐ No		11.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No		12.
-Includes date/time/ID, Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation?				
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide)	☐ Yes	☐ No	☒ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				
Per Method, VOA pH is checked after analysis				Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☒ N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☒ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

PFAS-537-BP3U-SUB-IN

ANALYTICAL REPORT

PREPARED FOR

Attn: Giovanna Deloca
Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, New York 11747

Generated 11/29/2022 3:01:52 PM

JOB DESCRIPTION

EAST NORTHPORT SA

JOB NUMBER

480-204115-1

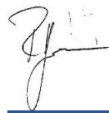
Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
11/29/2022 3:01:52 PM

Authorized for release by
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com
Designee for
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

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Definitions/Glossary

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Job ID: 480-204115-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-204115-1

Comments

No additional comments.

Receipt

The samples were received on 11/23/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2° C and 3.7° C.

GC/MS Semi VOA

Method 8270D SIM ID: The 1,4-Dioxane result reported for samples EN7-M_11/16/2022 (480-204115-1) and BLIND DUPLICATE_11/16/2022 (480-204115-2) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Client Sample ID: EN7-M_11/16/2022

Lab Sample ID: 480-204115-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	20	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: BLIND DUPLICATE_11/16/2022

Lab Sample ID: 480-204115-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	21	E	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: FIELD BLANK_11/17/2022

Lab Sample ID: 480-204115-3

No Detections.

Client Sample ID: EN1-M_11/17/2022

Lab Sample ID: 480-204115-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.23		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: EN10-M_11/17/2022

Lab Sample ID: 480-204115-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.24		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Client Sample ID: EN7-M_11/16/2022

Lab Sample ID: 480-204115-1

Date Collected: 11/16/22 15:30

Matrix: Water

Date Received: 11/23/22 10:00

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	20	E	0.20	0.10	ug/L		11/23/22 16:00	11/28/22 12:44	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	37		15 - 110				11/23/22 16:00	11/28/22 12:44	1

Client Sample ID: BLIND DUPLICATE_11/16/2022

Lab Sample ID: 480-204115-2

Date Collected: 11/16/22 00:00

Matrix: Water

Date Received: 11/23/22 10:00

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	21	E	0.20	0.10	ug/L		11/23/22 16:00	11/28/22 13:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	40		15 - 110				11/23/22 16:00	11/28/22 13:06	1

Client Sample ID: FIELD BLANK_11/17/2022

Lab Sample ID: 480-204115-3

Date Collected: 11/17/22 09:30

Matrix: Water

Date Received: 11/23/22 10:00

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		11/23/22 16:00	11/28/22 13:28	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 110				11/23/22 16:00	11/28/22 13:28	1

Client Sample ID: EN1-M_11/17/2022

Lab Sample ID: 480-204115-4

Date Collected: 11/17/22 13:30

Matrix: Water

Date Received: 11/23/22 10:00

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.23		0.20	0.10	ug/L		11/23/22 16:00	11/28/22 12:21	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	39		15 - 110				11/23/22 16:00	11/28/22 12:21	1

Client Sample ID: EN10-M_11/17/2022

Lab Sample ID: 480-204115-5

Date Collected: 11/17/22 16:00

Matrix: Water

Date Received: 11/23/22 10:00

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.24		0.20	0.10	ug/L		11/23/22 16:00	11/28/22 13:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	23		15 - 110				11/23/22 16:00	11/28/22 13:50	1

Eurofins Buffalo

Isotope Dilution Summary

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DXE (15-110)
480-204115-1	EN7-M_11/16/2022	37
480-204115-2	BLIND DUPLICATE_11/16/2022	40
480-204115-3	FIELD BLANK_11/17/2022	30
480-204115-4	EN1-M_11/17/2022	39
480-204115-4 MS	EN1-M_11/17/2022	38
480-204115-4 MSD	EN1-M_11/17/2022	42
480-204115-5	EN10-M_11/17/2022	23
LCS 480-651230/2-A	Lab Control Sample	42
MB 480-651230/1-A	Method Blank	36

Surrogate Legend

DXE = 1,4-Dioxane-d8

QC Sample Results

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-651230/1-A
Matrix: Water
Analysis Batch: 651304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		11/23/22 16:00	11/28/22 10:50	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	36		15 - 110				11/23/22 16:00	11/28/22 10:50	1

Lab Sample ID: LCS 480-651230/2-A
Matrix: Water
Analysis Batch: 651304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2.00	2.06		ug/L		103	40 - 140
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	42		15 - 110				

Lab Sample ID: 480-204115-4 MS
Matrix: Water
Analysis Batch: 651304

Client Sample ID: EN1-M_11/17/2022
Prep Type: Total/NA
Prep Batch: 651230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.23		2.00	2.25		ug/L		101	40 - 140
Isotope Dilution	MS %Recovery	MS Qualifier	Limits						
1,4-Dioxane-d8	38		15 - 110						

Lab Sample ID: 480-204115-4 MSD
Matrix: Water
Analysis Batch: 651304

Client Sample ID: EN1-M_11/17/2022
Prep Type: Total/NA
Prep Batch: 651230

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,4-Dioxane	0.23		2.00	2.25		ug/L		101	40 - 140	0	20
Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits								
1,4-Dioxane-d8	42		15 - 110								

QC Association Summary

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

GC/MS Semi VOA

Prep Batch: 651230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204115-1	EN7-M_11/16/2022	Total/NA	Water	3510C	
480-204115-2	BLIND DUPLICATE_11/16/2022	Total/NA	Water	3510C	
480-204115-3	FIELD BLANK_11/17/2022	Total/NA	Water	3510C	
480-204115-4	EN1-M_11/17/2022	Total/NA	Water	3510C	
480-204115-5	EN10-M_11/17/2022	Total/NA	Water	3510C	
MB 480-651230/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-651230/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-204115-4 MS	EN1-M_11/17/2022	Total/NA	Water	3510C	
480-204115-4 MSD	EN1-M_11/17/2022	Total/NA	Water	3510C	

Analysis Batch: 651304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204115-1	EN7-M_11/16/2022	Total/NA	Water	8270D SIM ID	651230
480-204115-2	BLIND DUPLICATE_11/16/2022	Total/NA	Water	8270D SIM ID	651230
480-204115-3	FIELD BLANK_11/17/2022	Total/NA	Water	8270D SIM ID	651230
480-204115-4	EN1-M_11/17/2022	Total/NA	Water	8270D SIM ID	651230
480-204115-5	EN10-M_11/17/2022	Total/NA	Water	8270D SIM ID	651230
MB 480-651230/1-A	Method Blank	Total/NA	Water	8270D SIM ID	651230
LCS 480-651230/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	651230
480-204115-4 MS	EN1-M_11/17/2022	Total/NA	Water	8270D SIM ID	651230
480-204115-4 MSD	EN1-M_11/17/2022	Total/NA	Water	8270D SIM ID	651230

Lab Chronicle

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Client Sample ID: EN7-M_11/16/2022

Date Collected: 11/16/22 15:30

Date Received: 11/23/22 10:00

Lab Sample ID: 480-204115-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			651230	SJM	EET BUF	11/23/22 16:00
Total/NA	Analysis	8270D SIM ID		1	651304	JMM	EET BUF	11/28/22 12:44

Client Sample ID: BLIND DUPLICATE_11/16/2022

Date Collected: 11/16/22 00:00

Date Received: 11/23/22 10:00

Lab Sample ID: 480-204115-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			651230	SJM	EET BUF	11/23/22 16:00
Total/NA	Analysis	8270D SIM ID		1	651304	JMM	EET BUF	11/28/22 13:06

Client Sample ID: FIELD BLANK_11/17/2022

Date Collected: 11/17/22 09:30

Date Received: 11/23/22 10:00

Lab Sample ID: 480-204115-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			651230	SJM	EET BUF	11/23/22 16:00
Total/NA	Analysis	8270D SIM ID		1	651304	JMM	EET BUF	11/28/22 13:28

Client Sample ID: EN1-M_11/17/2022

Date Collected: 11/17/22 13:30

Date Received: 11/23/22 10:00

Lab Sample ID: 480-204115-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			651230	SJM	EET BUF	11/23/22 16:00
Total/NA	Analysis	8270D SIM ID		1	651304	JMM	EET BUF	11/28/22 12:21

Client Sample ID: EN10-M_11/17/2022

Date Collected: 11/17/22 16:00

Date Received: 11/23/22 10:00

Lab Sample ID: 480-204115-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			651230	SJM	EET BUF	11/23/22 16:00
Total/NA	Analysis	8270D SIM ID		1	651304	JMM	EET BUF	11/28/22 13:50

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Eurofins Buffalo

Accreditation/Certification Summary

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

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Method Summary

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Method	Method Description	Protocol	Laboratory
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: EAST NORTHPORT SA

Job ID: 480-204115-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-204115-1	EN7-M_11/16/2022	Water	11/16/22 15:30	11/23/22 10:00
480-204115-2	BLIND DUPLICATE_11/16/2022	Water	11/16/22 00:00	11/23/22 10:00
480-204115-3	FIELD BLANK_11/17/2022	Water	11/17/22 09:30	11/23/22 10:00
480-204115-4	EN1-M_11/17/2022	Water	11/17/22 13:30	11/23/22 10:00
480-204115-5	EN10-M_11/17/2022	Water	11/17/22 16:00	11/23/22 10:00

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Chain of Custody

PASI New York Laboratory



Workorder: 70237080

Workorder Name: EAST NORTHPORT SA PFAS/1,4

Results Requested By: 12/14/2022

Report / Invoice To: Subcontract To

Giovanna F. Deloca
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040
Email: giovanna.deloca@pacelabs.com

Eurofins TestAmerica
10 Hazelwood Dr.
Amherst, NY 14228

P.O. 70237080GED

State of Sample Origin: NY

Preserved Containers

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Unpreserved	MA2S203
1	EN7-M_11/16/2022	11/16/2022 15:30	70237080001	Water		
2	BLIND DUPLICATE_11/16/2022	11/16/2022 00:00	70237080002	Water		
3	FIELD BLANK_11/17/2022	11/17/2022 09:30	70237080004	Water		
4	EN1-M_11/17/2022	11/17/2022 13:30	70237080005	Water		
5	EN10-M_11/17/2022	11/17/2022 16:00	70237080006	Water		

1,4 Dioxane by 8270SIM

1,4 Dioxane by 8270SIM-MS/MSD



480-204115 Chain of Custody

LAB USE ONLY

Transfers	Released By	Date/Time	Received By	Date/Time	Received on Ice	Y	or	N	Samples Intact	Y	or	N
1	<i>[Signature]</i>	11/24/2022	<i>[Signature]</i>	11/23/22								
2												
3												

100% LEVEL IV REPORT W/ NYS EQUISS AND EDD

312, 317

312, 317

Monday, November 21, 2022 4:16:31 PM

FMT-ALL-C-002rev.00 24March2009

Page 1 of 1

Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 480-204115-1

Login Number: 204115

List Source: Eurofins Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	PACE
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

December 8, 2022

Giovanna Deloca
Pace Analytical Services - Long Island, NY
575 Broad Hollow Road
Melville, NY 11747

Project Location: East Northport SA PFAS/1,4
Client Job Number:
Project Number: 70237080
Laboratory Work Order Number: 22K3383

Enclosed are results of analyses for samples as received by the laboratory on November 23, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jessica L. Hoffman
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332Pace Analytical Services - Long Island, NY
575 Broad Hollow Road
Melville, NY 11747
ATTN: Giovanna Deloca

REPORT DATE: 12/8/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 70237080

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22K3383

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: East Northport SA PFAS/1,4

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EN7-M_11/16/2022	22K3383-01	Drinking Water		EPA 537.1	
Blind Duplicate_11/16/2022	22K3383-02	Drinking Water		EPA 537.1	
Field Blank_11/16/2022	22K3383-03	Drinking Water		EPA 537.1	
Field Blank_11/17/2022	22K3383-04	Drinking Water		EPA 537.1	
EN1-M_11/17/2022	22K3383-05	Drinking Water		EPA 537.1	
EN10-M_11/17/2022	22K3383-06	Drinking Water		EPA 537.1	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA 537.1

Qualifications:

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Perfluorobutanesulfonic acid (PFB)

B324051-MS1, B324051-MSD1

PF-01

Surrogate recovery is outside of control limits. Sample not re-extracted past holding time per method.

Analyte & Samples(s) Qualified:

13C-PFDA

22K3383-01[EN7-M_11/16/2022], 22K3383-02[Blind Duplicate_11/16/2022]

13C-PFHxA

22K3383-01[EN7-M_11/16/2022], 22K3383-02[Blind Duplicate_11/16/2022], 22K3383-03[Field Blank_11/16/2022], 22K3383-04[Field Blank_11/17/2022]

M3HFPO-DA

22K3383-03[Field Blank_11/16/2022], 22K3383-04[Field Blank_11/17/2022]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Director of Operations

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Northport SA PFAS/1,4

Sample Description:

Work Order: 22K3383

Date Received: 11/23/2022

Field Sample #: EN7-M_11/16/2022

Sampled: 11/16/2022 15:30

Sample ID: 22K3383-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	2.7	1.8	0.69		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluorohexanoic acid (PFHxA)	40	1.8	0.80		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluorohexanesulfonic acid (PFHxS)	15	1.8	0.58		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluoroheptanoic acid (PFHpA)	31	1.8	0.61		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluorooctanoic acid (PFOA)	65	1.8	0.84		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluorooctanesulfonic acid (PFOS)	29	1.8	0.78		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluorononanoic acid (PFNA)	1.8	1.8	0.79		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluorodecanoic acid (PFDA)	ND	1.8	0.66		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
N-EtFOSAA (NEtFOSAA)	6.5	1.8	0.62		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.61		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.58		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.56		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.53		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.46		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.79		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.68		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.82		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.73		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:49	JLR

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	52.6 *	70-130	PF-01
M3HFPO-DA	89.9	70-130	
13C-PFDA	159 *	70-130	PF-01
D5-NEtFOSAA	113	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Northport SA PFAS/1,4

Sample Description:

Work Order: 22K3383

Date Received: 11/23/2022

Field Sample #: Blind Duplicate_11/16/2022

Sampled: 11/16/2022 00:00

Sample ID: 22K3383-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	2.9	1.8	0.70		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluorohexanoic acid (PFHxA)	41	1.8	0.81		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluorohexanesulfonic acid (PFHxS)	15	1.8	0.59		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluoroheptanoic acid (PFHpA)	34	1.8	0.62		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluorooctanoic acid (PFOA)	67	1.8	0.85		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluorooctanesulfonic acid (PFOS)	29	1.8	0.79		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluorononanoic acid (PFNA)	2.2	1.8	0.81		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluorodecanoic acid (PFDA)	ND	1.8	0.67		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
N-EtFOSAA (NEtFOSAA)	6.6	1.8	0.63		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.62		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.59		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.57		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.54		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.47		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.80		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.69		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.83		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.74		ng/L	1		EPA 537.1	11/29/22	12/5/22 12:56	JLR

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	55.5 *	70-130	PF-01
M3HFPO-DA	104	70-130	
13C-PFDA	170 *	70-130	PF-01
D5-NEtFOSAA	115	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Northport SA PFAS/1,4

Sample Description:

Work Order: 22K3383

Date Received: 11/23/2022

Field Sample #: Field Blank_11/16/2022

Sampled: 11/16/2022 16:00

Sample ID: 22K3383-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.7	0.67		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.7	0.77		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7	0.56		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.7	0.59		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluorooctanoic acid (PFOA)	ND	1.7	0.82		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.7	0.75		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluorononanoic acid (PFNA)	ND	1.7	0.77		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluorodecanoic acid (PFDA)	ND	1.7	0.64		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.7	0.61		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.7	0.59		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.7	0.57		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.7	0.54		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.7	0.52		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.7	0.45		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	0.77		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.7	0.66		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.7	0.79		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7	0.71		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:43	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	30.5 *	70-130	PF-01
M3HFPO-DA	31.4 *	70-130	PF-01
13C-PFDA	93.0	70-130	
D5-NEtFOSAA	116	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Northport SA PFAS/1,4

Sample Description:

Work Order: 22K3383

Date Received: 11/23/2022

Field Sample #: Field Blank_11/17/2022

Sampled: 11/17/2022 09:30

Sample ID: 22K3383-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.7	0.67		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluorohexanoic acid (PFHxA)	ND	1.7	0.77		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7	0.56		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluoroheptanoic acid (PFHpA)	ND	1.7	0.59		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluorooctanoic acid (PFOA)	ND	1.7	0.82		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.7	0.75		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluorononanoic acid (PFNA)	ND	1.7	0.77		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluorodecanoic acid (PFDA)	ND	1.7	0.64		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.7	0.60		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.7	0.59		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.7	0.57		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.7	0.54		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.7	0.52		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.7	0.45		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	0.77		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.7	0.66		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.7	0.79		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7	0.71		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:50	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	42.1 *	70-130	PF-01
M3HFPO-DA	43.7 *	70-130	PF-01
13C-PFDA	96.5	70-130	
D5-NEtFOSAA	110	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Northport SA PFAS/1,4

Sample Description:

Work Order: 22K3383

Date Received: 11/23/2022

Field Sample #: EN1-M_11/17/2022

Sampled: 11/17/2022 13:30

Sample ID: 22K3383-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.68		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluorohexanoic acid (PFHxA)	3.4	1.8	0.78		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluorohexanesulfonic acid (PFHxS)	6.8	1.8	0.57		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluoroheptanoic acid (PFHpA)	1.5	1.8	0.60		ng/L	1	J	EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluorooctanoic acid (PFOA)	3.6	1.8	0.83		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluorooctanesulfonic acid (PFOS)	1.1	1.8	0.76		ng/L	1	J	EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluorononanoic acid (PFNA)	ND	1.8	0.78		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluorodecanoic acid (PFDA)	ND	1.8	0.65		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.8	0.61		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.60		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.8	0.57		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.55		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	0.52		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.8	0.45		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.78		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.67		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.80		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.72		ng/L	1		EPA 537.1	11/29/22	12/2/22 11:57	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	89.6	70-130	12/2/22 11:57
M3HFPO-DA	78.2	70-130	12/2/22 11:57
13C-PFDA	89.0	70-130	12/2/22 11:57
D5-NEtFOSAA	98.8	70-130	12/2/22 11:57

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: East Northport SA PFAS/1,4

Sample Description:

Work Order: 22K3383

Date Received: 11/23/2022

Field Sample #: EN10-M_11/17/2022

Sampled: 11/17/2022 16:00

Sample ID: 22K3383-06

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.74		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluorohexanoic acid (PFHxA)	12	1.9	0.85		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluorohexanesulfonic acid (PFHxS)	1.7	1.9	0.62		ng/L	1	J	EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluoroheptanoic acid (PFHpA)	4.4	1.9	0.65		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluorooctanoic acid (PFOA)	2.1	1.9	0.90		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.83		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluorononanoic acid (PFNA)	ND	1.9	0.85		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluorodecanoic acid (PFDA)	ND	1.9	0.70		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
N-EtFOSAA (NEtFOSAA)	ND	1.9	0.67		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluoroundecanoic acid (PFUnA)	3.0	1.9	0.65		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
N-MeFOSAA (NMeFOSAA)	ND	1.9	0.62		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.60		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.57		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.49		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.84		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.73		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.87		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.78		ng/L	1		EPA 537.1	11/29/22	12/2/22 12:04	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	85.5	70-130	12/2/22 12:04
M3HFPO-DA	70.1	70-130	12/2/22 12:04
13C-PFDA	93.8	70-130	12/2/22 12:04
D5-NEtFOSAA	110	70-130	12/2/22 12:04

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Sample Extraction Data**Prep Method: EPA 537.1-EPA 537.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22K3383-01 [EN7-M_11/16/2022]	B324051	279	1.00	11/29/22
22K3383-02 [Blind Duplicate_11/16/2022]	B324051	275	1.00	11/29/22
22K3383-03 [Field Blank_11/16/2022]	B324051	287	1.00	11/29/22
22K3383-04 [Field Blank_11/17/2022]	B324051	288	1.00	11/29/22
22K3383-05 [EN1-M_11/17/2022]	B324051	284	1.00	11/29/22
22K3383-06 [EN10-M_11/17/2022]	B324051	261	1.00	11/29/22

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QUALITY CONTROL
Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B324051 - EPA 537.1
Blank (B324051-BLK1)

Prepared: 11/29/22 Analyzed: 12/02/22

Perfluorobutanesulfonic acid (PFBS)	ND	1.7	0.67	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.7	0.77	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7	0.56	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.7	0.59	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.7	0.82	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.7	0.75	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.7	0.77	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.7	0.64	ng/L							
N-EtFOSAA (NEtFOSAA)	ND	1.7	0.61	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.7	0.59	ng/L							
N-MeFOSAA (NMeFOSAA)	ND	1.7	0.57	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.7	0.54	ng/L							
Perfluorotridecanoic acid (PFTTrDA)	ND	1.7	0.52	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	1.7	0.45	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	0.77	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.7	0.66	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.7	0.79	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7	0.71	ng/L							
Surrogate: 13C-PFHxA	36.1			ng/L	34.8		104	70-130			
Surrogate: M3HFPO-DA	31.9			ng/L	34.8		91.6	70-130			
Surrogate: 13C-PFDA	35.9			ng/L	34.8		103	70-130			
Surrogate: D5-NEtFOSAA	146			ng/L	139		105	70-130			

LCS (B324051-BS1)

Prepared: 11/29/22 Analyzed: 12/02/22

Perfluorobutanesulfonic acid (PFBS)	13.9	1.9	0.71	ng/L	16.5		84.2	70-130			
Perfluorohexanoic acid (PFHxA)	18.7	1.9	0.82	ng/L	18.6		101	70-130			
Perfluorohexanesulfonic acid (PFHxS)	15.8	1.9	0.60	ng/L	17.0		93.2	70-130			
Perfluoroheptanoic acid (PFHpA)	19.6	1.9	0.63	ng/L	18.6		106	70-130			
Perfluorooctanoic acid (PFOA)	19.0	1.9	0.87	ng/L	18.6		103	70-130			
Perfluorooctanesulfonic acid (PFOS)	16.9	1.9	0.80	ng/L	17.2		97.9	70-130			
Perfluorononanoic acid (PFNA)	22.5	1.9	0.82	ng/L	18.6		121	70-130			
Perfluorodecanoic acid (PFDA)	17.9	1.9	0.68	ng/L	18.6		96.6	70-130			
N-EtFOSAA (NEtFOSAA)	17.5	1.9	0.65	ng/L	18.6		94.1	70-130			
Perfluoroundecanoic acid (PFUnA)	17.9	1.9	0.63	ng/L	18.6		96.5	70-130			
N-MeFOSAA (NMeFOSAA)	17.6	1.9	0.60	ng/L	18.6		94.9	70-130			
Perfluorododecanoic acid (PFDoA)	19.1	1.9	0.58	ng/L	18.6		103	70-130			
Perfluorotridecanoic acid (PFTTrDA)	18.3	1.9	0.55	ng/L	18.6		98.8	70-130			
Perfluorotetradecanoic acid (PFTA)	17.5	1.9	0.48	ng/L	18.6		94.2	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	19.9	1.9	0.82	ng/L	18.6		108	70-130			
11Cl-PF3OUdS (F53B Major)	15.7	1.9	0.71	ng/L	17.5		89.8	70-130			
9Cl-PF3ONS (F53B Minor)	15.5	1.9	0.85	ng/L	17.3		89.5	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	16.0	1.9	0.76	ng/L	17.5		91.5	70-130			
Surrogate: 13C-PFHxA	38.8			ng/L	37.1		105	70-130			
Surrogate: M3HFPO-DA	34.1			ng/L	37.1		92.0	70-130			
Surrogate: 13C-PFDA	34.3			ng/L	37.1		92.4	70-130			
Surrogate: D5-NEtFOSAA	137			ng/L	148		92.6	70-130			

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QUALITY CONTROL
Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B324051 - EPA 537.1

Matrix Spike (B324051-MS1)		Source: 22K3383-05			Prepared: 11/29/22 Analyzed: 12/02/22						
Perfluorobutanesulfonic acid (PFBS)	10.6	1.9	0.73	ng/L	16.8	ND	63.4	*	70-130		MS-09
Perfluorohexanoic acid (PFHxA)	21.2	1.9	0.84	ng/L	18.9	3.45	93.5		70-130		
Perfluorohexanesulfonic acid (PFHxS)	24.0	1.9	0.61	ng/L	17.3	6.85	99.3		70-130		
Perfluoroheptanoic acid (PFHpA)	21.1	1.9	0.64	ng/L	18.9	1.50	104		70-130		
Perfluorooctanoic acid (PFOA)	22.4	1.9	0.89	ng/L	18.9	3.64	99.0		70-130		
Perfluorooctanesulfonic acid (PFOS)	17.9	1.9	0.82	ng/L	17.6	1.06	95.6		70-130		
Perfluorononanoic acid (PFNA)	21.8	1.9	0.84	ng/L	18.9	ND	115		70-130		
Perfluorodecanoic acid (PFDA)	17.1	1.9	0.70	ng/L	18.9	ND	90.1		70-130		
N-EtFOSAA (NEtFOSAA)	16.5	1.9	0.66	ng/L	18.9	ND	87.0		70-130		
Perfluoroundecanoic acid (PFUnA)	17.5	1.9	0.64	ng/L	18.9	ND	92.3		70-130		
N-MeFOSAA (NMeFOSAA)	16.3	1.9	0.62	ng/L	18.9	ND	86.0		70-130		
Perfluorododecanoic acid (PFDoA)	17.4	1.9	0.59	ng/L	18.9	ND	91.8		70-130		
Perfluorotridecanoic acid (PFTTrDA)	16.9	1.9	0.56	ng/L	18.9	ND	88.9		70-130		
Perfluorotetradecanoic acid (PFTA)	15.8	1.9	0.49	ng/L	18.9	ND	83.3		70-130		
Hexafluoropropylene oxide dimer acid (HFPO-DA)	19.0	1.9	0.84	ng/L	18.9	ND	100		70-130		
11Cl-PF3OUdS (F53B Major)	15.1	1.9	0.72	ng/L	17.9	ND	84.3		70-130		
9Cl-PF3ONS (F53B Minor)	15.9	1.9	0.86	ng/L	17.7	ND	89.9		70-130		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	15.7	1.9	0.78	ng/L	17.9	ND	87.5		70-130		
Surrogate: 13C-PFHxA	36.2			ng/L	37.9		95.5		70-130		
Surrogate: M3HFPO-DA	30.3			ng/L	37.9		80.0		70-130		
Surrogate: 13C-PFDA	34.4			ng/L	37.9		90.7		70-130		
Surrogate: D5-NEtFOSAA	136			ng/L	152		89.9		70-130		

Matrix Spike Dup (B324051-MSD1)	Source: 22K3383-05				Prepared: 11/29/22 Analyzed: 12/02/22							
Perfluorobutanesulfonic acid (PFBS)	10.1	1.8	0.69	ng/L	15.9	ND	63.2	*	70-130	5.51	30	MS-09
Perfluorohexanoic acid (PFHxA)	20.1	1.8	0.80	ng/L	18.0	3.45	92.9		70-130	4.98	30	
Perfluorohexanesulfonic acid (PFHxS)	22.7	1.8	0.58	ng/L	16.4	6.85	96.7		70-130	5.63	30	
Perfluoroheptanoic acid (PFHpA)	19.7	1.8	0.61	ng/L	18.0	1.50	101		70-130	7.21	30	
Perfluorooctanoic acid (PFOA)	21.1	1.8	0.84	ng/L	18.0	3.64	97.1		70-130	6.07	30	
Perfluorooctanesulfonic acid (PFOS)	16.8	1.8	0.78	ng/L	16.7	1.06	94.6		70-130	6.04	30	
Perfluorononanoic acid (PFNA)	20.3	1.8	0.80	ng/L	18.0	ND	113		70-130	7.43	30	
Perfluorodecanoic acid (PFDA)	16.3	1.8	0.66	ng/L	18.0	ND	91.0		70-130	4.31	30	
N-EtFOSAA (NEtFOSAA)	16.6	1.8	0.63	ng/L	18.0	ND	92.3		70-130	0.617	30	
Perfluoroundecanoic acid (PFUnA)	16.0	1.8	0.61	ng/L	18.0	ND	89.1		70-130	8.85	30	
N-MeFOSAA (NMeFOSAA)	16.4	1.8	0.58	ng/L	18.0	ND	91.3		70-130	0.663	30	
Perfluorododecanoic acid (PFDoA)	17.0	1.8	0.56	ng/L	18.0	ND	94.5		70-130	2.40	30	
Perfluorotridecanoic acid (PFTTrDA)	16.5	1.8	0.53	ng/L	18.0	ND	91.6		70-130	2.38	30	
Perfluorotetradecanoic acid (PFTA)	15.8	1.8	0.46	ng/L	18.0	ND	87.9		70-130	0.0135	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	17.4	1.8	0.79	ng/L	18.0	ND	97.0		70-130	8.43	30	
11Cl-PF3OUdS (F53B Major)	14.6	1.8	0.69	ng/L	16.9	ND	86.1		70-130	3.22	30	
9Cl-PF3ONS (F53B Minor)	14.8	1.8	0.82	ng/L	16.8	ND	88.0		70-130	7.46	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	14.7	1.8	0.74	ng/L	17.0	ND	86.8		70-130	6.08	30	
Surrogate: 13C-PFHxA	32.9			ng/L	35.9		91.4		70-130			
Surrogate: M3HFPO-DA	27.4			ng/L	35.9		76.1		70-130			
Surrogate: 13C-PFDA	31.6			ng/L	35.9		88.1		70-130			
Surrogate: D5-NEtFOSAA	132			ng/L	144		92.0		70-130			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
PF-01	Surrogate recovery is outside of control limits. Sample not re-extracted past holding time per method.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 537.1 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorohexanoic acid (PFHxA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorohexanesulfonic acid (PFHxS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluoroheptanoic acid (PFHpA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorooctanoic acid (PFOA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorooctanesulfonic acid (PFOS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorononanoic acid (PFNA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorodecanoic acid (PFDA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
N-EtFOSAA (NEtFOSAA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluoroundecanoic acid (PFUnA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
N-MeFOSAA (NMeFOSAA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorododecanoic acid (PFDoA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorotridecanoic acid (PFTrDA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorotetradecanoic acid (PFTA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
11CI-PF3OUdS (F53B Major)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
9CI-PF3ONS (F53B Minor)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	06/30/2023

Internal Transfer Chain of Custody



☐ Samples Pre-Logged into eCOC.

State Of Origin: NY

NO

☒ Yes

Owner Received Date: 11/16/2022 **Results Requested By:** 12/14/2022

Workorder Name: EAST NORTHPORT SA PFAS/1,4

Workorder: 70237080

Report To	Subcontract To

Pace New England
39 Spruce St.
East Longmeadow, MA 01028
Phone (413)525-2332

Giovanna F. Deloca
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040

PPAS by 537 ID

Preserved Containers

[illegible]

Transfers	Released By	Date/Time	Received By

Date/Time

LEVEL IV REPORT W/ NYS EQUISS AND EDD

Cooler Temperature on Receipt

300

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****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information is available in the owner laboratory.

<https://www.fedex.com/en-us/home.html>



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Wednesday

11/23/2022 at 9:54 am

Signed for by: R.PETRAITIS

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DELIVERY STATUS

Delivered

TRACKING ID

618696585335

FROM

MELVILLE, NY US

Label Created

11/22/2022 5:19 PM

PACKAGE RECEIVED BY FEDEX

MELVILLE, NY

11/22/2022 5:35 PM

IN TRANSIT

WINDSOR LOCKS, CT

11/23/2022 7:18 AM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

11/23/2022 7:28 AM

DELIVERED

EAST LONGMEADOW, MA US

DELIVERED

11/23/2022 at 9:54 AM

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www.pacelabs.com

Pace PEOPLE ADVANCING SCIENCE
Doc# 277 Rev 6 July 2022

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace
Received By LA Date 11/23/22 Time 9:34
How were the samples received? In Cooler T No Cooler F On Ice T No Ice F
Direct From Sample F Ambient F Melted Ice F
Were samples within Temperature? Within 2-6°C T By Gun # 5 Actual Temp - 4.0
By Blank # 5 Actual Temp -
Was Custody Seal In tact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client? T Analysis? T Sampler Name? F
pertinent Information? Project? T ID's? T Collection Dates/Times? T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified?
Are there Rushes? F Who was notified?
Are there Short Holds? F Who was notified?
Samples are received within holding time? T Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? T
Proper Media/Containers Used? T splitting samples require F
Were trip blanks receive F On COC? F
Do All Samples Have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

December 05, 2022

Keith Robins
Dvirka & Bartilucci
330 Crossways Park Drive
Woodbury, NY 11797

RE: Project: EAST NORTHPORT SURFACE WATERS
Pace Project No.: 70237530

Dear Keith Robins:

Enclosed are the analytical results for sample(s) received by the laboratory on November 21, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Giovanna F. Deloca
giovanna.deloca@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Donna Brown, D&B Engineers and Architects, P.C.
Tom Fox, D&B Engineers and Architects, P.C.
Tracey Garland, Dvirka & Bartilucci
Robbin Petrella, D&B Engineers and Architects, P.C.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Date: December 05, 2022

Client sample SW-7_11/21/22 received, not listed on COC; client was notified. See Sample Condition Upon Receipt Form for details.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: SM22 2340B

Description: 2340B Hardness, Total (Calc.)

Client: Dvirka & Bartilucci

Date: December 05, 2022

General Information:

7 samples were analyzed for SM22 2340B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: EPA 6010C

Description: 6010 MET ICP

Client: Dvirka & Bartilucci

Date: December 05, 2022

General Information:

7 samples were analyzed for EPA 6010C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: EPA 624.1

Description: 624.1 Volatile Organics

Client: Dvirka & Bartilucci

Date: December 05, 2022

General Information:

8 samples were analyzed for EPA 624.1 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 283411

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 1432296)
 - trans-1,3-Dichloropropene
- LCS (Lab ID: 1432297)
 - trans-1,3-Dichloropropene
- MS (Lab ID: 1433462)
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 1433463)
 - trans-1,3-Dichloropropene
- SW-1_11/21/22 (Lab ID: 70237530004)
 - trans-1,3-Dichloropropene
- SW-2_11/21/22 (Lab ID: 70237530005)
 - trans-1,3-Dichloropropene
- SW-3_11/21/22 (Lab ID: 70237530006)
 - trans-1,3-Dichloropropene
- SW-4_11/21/22 (Lab ID: 70237530003)
 - trans-1,3-Dichloropropene
- SW-5_11/21/22 (Lab ID: 70237530007)
 - trans-1,3-Dichloropropene
- SW-6_11/21/22 (Lab ID: 70237530002)
 - trans-1,3-Dichloropropene
- SW-7_11/21/22 (Lab ID: 70237530008)
 - trans-1,3-Dichloropropene
- TRIP BLANK_11/21/22 (Lab ID: 70237530001)
 - trans-1,3-Dichloropropene

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 1432297)
 - Bromomethane
- MS (Lab ID: 1433462)
 - Bromomethane
- MSD (Lab ID: 1433463)
 - Bromomethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: EPA 624.1

Description: 624.1 Volatile Organics

Client: Dvirka & Bartilucci

Date: December 05, 2022

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 283411

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- BLANK (Lab ID: 1432296)
 - Dichlorodifluoromethane
- LCS (Lab ID: 1432297)
 - Dichlorodifluoromethane
- MS (Lab ID: 1433462)
 - Dichlorodifluoromethane
- MSD (Lab ID: 1433463)
 - Dichlorodifluoromethane
- SW-1_11/21/22 (Lab ID: 70237530004)
 - Dichlorodifluoromethane
- SW-2_11/21/22 (Lab ID: 70237530005)
 - Dichlorodifluoromethane
- SW-3_11/21/22 (Lab ID: 70237530006)
 - Dichlorodifluoromethane
- SW-4_11/21/22 (Lab ID: 70237530003)
 - Dichlorodifluoromethane
- SW-5_11/21/22 (Lab ID: 70237530007)
 - Dichlorodifluoromethane
- SW-6_11/21/22 (Lab ID: 70237530002)
 - Dichlorodifluoromethane
- SW-7_11/21/22 (Lab ID: 70237530008)
 - Dichlorodifluoromethane
- TRIP BLANK_11/21/22 (Lab ID: 70237530001)
 - Dichlorodifluoromethane

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: EPA 624.1

Description: 624.1 Volatile Organics

Client: Dvirka & Bartilucci

Date: December 05, 2022

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: SM22 2320B

Description: 2320B Alkalinity

Client: Dvirka & Bartilucci

Date: December 05, 2022

General Information:

7 samples were analyzed for SM22 2320B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 284407

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70237519001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1436852)
- Alkalinity, Carbonate (CaCO₃)

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: SM22 2540C

Description: 2540C Total Dissolved Solids

Client: Dvirka & Bartilucci

Date: December 05, 2022

General Information:

7 samples were analyzed for SM22 2540C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: Dvirka & Bartilucci

Date: December 05, 2022

General Information:

7 samples were analyzed for EPA 300.0 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 283605

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70237286004, 70237286006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1433270)
 - Chloride
 - Sulfate
- MS (Lab ID: 1433272)
 - Chloride
 - Sulfate

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

Client: Dvirka & Bartilucci

Date: December 05, 2022

General Information:

7 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂

Client: Dvirka & Bartilucci

Date: December 05, 2022

General Information:

7 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 283141

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70237446007,70237492002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1431162)
 - Nitrite as N
- MS (Lab ID: 1431164)
 - Nitrite as N

QC Batch: 283142

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70237530003,70237530008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1431168)
 - Nitrite as N
- MS (Lab ID: 1431170)
 - Nitrite as N

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Method: SM22 4500 NH3 H

Description: 4500 Ammonia Water

Client: Dvirka & Bartilucci

Date: December 05, 2022

General Information:

7 samples were analyzed for SM22 4500 NH3 H by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: TRIP BLANK_11/21/22		Lab ID: 70237530001		Collected: 11/21/22 00:00		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/23/22 11:17	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/22 11:17	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/22 11:17	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/22 11:17	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/22 11:17	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:17	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/23/22 11:17	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/23/22 11:17	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/23/22 11:17	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/22 11:17	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/22 11:17	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:17	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:17	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:17	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/22 11:17	75-71-8	v3	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:17	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:17	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:17	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:17	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:17	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/22 11:17	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 11:17	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 11:17	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/22 11:17	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/22 11:17	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/22 11:17	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/22 11:17	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/23/22 11:17	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:17	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:17	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:17	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/23/22 11:17	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/22 11:17	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/23/22 11:17	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	104	%	80-110	1		11/23/22 11:17	460-00-4		
Toluene-d8 (S)	92	%	87-120	1		11/23/22 11:17	2037-26-5		
1,2-Dichloroethane-d4 (S)	102	%	76-127	1		11/23/22 11:17	17060-07-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-6_11/21/22		Lab ID: 70237530002		Collected: 11/21/22 11:45		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	52900	ug/L	830	1		11/30/22 12:45			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Calcium	12600	ug/L	200	1	11/29/22 13:34	11/30/22 12:45	7440-70-2		
Magnesium	5210	ug/L	200	1	11/29/22 13:34	11/30/22 12:45	7439-95-4		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/23/22 11:36	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/22 11:36	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/22 11:36	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/22 11:36	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/22 11:36	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:36	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/23/22 11:36	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/23/22 11:36	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/23/22 11:36	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/22 11:36	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/22 11:36	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:36	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:36	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:36	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/22 11:36	75-71-8	v3	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:36	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:36	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:36	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:36	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:36	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/22 11:36	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 11:36	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 11:36	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/22 11:36	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/22 11:36	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/22 11:36	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/22 11:36	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/23/22 11:36	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:36	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:36	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:36	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/23/22 11:36	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/22 11:36	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/23/22 11:36	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-110	1		11/23/22 11:36	460-00-4		
Toluene-d8 (S)	93	%	87-120	1		11/23/22 11:36	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-6_11/21/22		Lab ID: 70237530002		Collected: 11/21/22 11:45		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	76-127	1		11/23/22 11:36	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	43.7	mg/L	1.0	1		12/02/22 13:52			
Alkalinity,Bicarbonate (CaCO3)	43.7	mg/L	1.0	1		12/02/22 13:52			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		12/02/22 13:52			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	180	mg/L	20.0	1		11/23/22 21:34			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	67.3	mg/L	2.0	1		11/27/22 17:36	16887-00-6		
Sulfate	13.5	mg/L	5.0	1		11/27/22 17:36	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.25	mg/L	0.050	1		11/26/22 22:16	14797-55-8		
Nitrate-Nitrite (as N)	0.27	mg/L	0.050	1		11/26/22 22:16	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/21/22 21:59	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.28	mg/L	0.10	1		11/23/22 14:21	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-4_11/21/22		Lab ID: 70237530003		Collected: 11/21/22 12:10		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	72600	ug/L	830	1		11/30/22 12:48			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Calcium	17400	ug/L	200	1	11/29/22 13:34	11/30/22 12:48	7440-70-2		
Magnesium	7070	ug/L	200	1	11/29/22 13:34	11/30/22 12:48	7439-95-4		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/23/22 11:55	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/22 11:55	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/22 11:55	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/22 11:55	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/22 11:55	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:55	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/23/22 11:55	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/23/22 11:55	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/23/22 11:55	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/22 11:55	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/22 11:55	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:55	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:55	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 11:55	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/22 11:55	75-71-8	v3	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:55	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:55	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:55	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:55	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:55	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/22 11:55	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 11:55	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 11:55	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/22 11:55	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/22 11:55	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/22 11:55	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/22 11:55	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/23/22 11:55	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:55	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 11:55	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/23/22 11:55	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/23/22 11:55	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/22 11:55	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/23/22 11:55	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	104	%	80-110	1		11/23/22 11:55	460-00-4		
Toluene-d8 (S)	93	%	87-120	1		11/23/22 11:55	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-4_11/21/22		Lab ID: 70237530003		Collected: 11/21/22 12:10		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%	76-127	1		11/23/22 11:55	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	39.6	mg/L	1.0	1		12/02/22 13:58			
Alkalinity,Bicarbonate (CaCO3)	39.6	mg/L	1.0	1		12/02/22 13:58			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		12/02/22 13:58			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	186	mg/L	10.0	1		11/23/22 21:34			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	71.7	mg/L	2.0	1		11/27/22 17:50	16887-00-6		
Sulfate	29.8	mg/L	5.0	1		11/27/22 17:50	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	3.1	mg/L	0.25	5		11/26/22 22:17	14797-55-8		
Nitrate-Nitrite (as N)	3.1	mg/L	0.25	5		11/26/22 22:17	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/21/22 22:04	14797-65-0	M1	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.11	mg/L	0.10	1		11/23/22 14:22	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-1_11/21/22		Lab ID: 70237530004		Collected: 11/21/22 12:30		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	72600	ug/L	830	1		11/30/22 12:51			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Calcium	17400	ug/L	200	1	11/29/22 13:34	11/30/22 12:51	7440-70-2		
Magnesium	7080	ug/L	200	1	11/29/22 13:34	11/30/22 12:51	7439-95-4		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/23/22 12:15	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/22 12:15	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/22 12:15	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/22 12:15	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/22 12:15	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:15	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/23/22 12:15	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/23/22 12:15	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/23/22 12:15	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/22 12:15	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/22 12:15	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:15	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:15	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:15	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/22 12:15	75-71-8	v3	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:15	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:15	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:15	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:15	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:15	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/22 12:15	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 12:15	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 12:15	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/22 12:15	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/22 12:15	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/22 12:15	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/22 12:15	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/23/22 12:15	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:15	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:15	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:15	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/23/22 12:15	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/22 12:15	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/23/22 12:15	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-110	1		11/23/22 12:15	460-00-4		
Toluene-d8 (S)	93	%	87-120	1		11/23/22 12:15	2037-26-5		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-1_11/21/22		Lab ID: 70237530004		Collected: 11/21/22 12:30		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%	76-127	1		11/23/22 12:15	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	43.2	mg/L	1.0	1		12/02/22 14:05			
Alkalinity,Bicarbonate (CaCO3)	43.2	mg/L	1.0	1		12/02/22 14:05			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		12/02/22 14:05			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	182	mg/L	10.0	1		11/23/22 21:35			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	70.3	mg/L	2.0	1		11/27/22 18:03	16887-00-6		
Sulfate	23.5	mg/L	5.0	1		11/27/22 18:03	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	11.7	mg/L	0.50	10		11/26/22 23:34	14797-55-8		
Nitrate-Nitrite (as N)	11.7	mg/L	0.50	10		11/26/22 23:34	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/21/22 22:13	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.11	mg/L	0.10	1		11/23/22 14:23	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-2_11/21/22		Lab ID: 70237530005		Collected: 11/21/22 13:25		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	118000	ug/L	830	1		11/30/22 13:03			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Calcium	26400	ug/L	200	1	11/29/22 13:34	11/30/22 13:03	7440-70-2		
Magnesium	12700	ug/L	200	1	11/29/22 13:34	11/30/22 13:03	7439-95-4		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/23/22 12:34	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/22 12:34	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/22 12:34	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/22 12:34	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/22 12:34	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:34	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/23/22 12:34	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/23/22 12:34	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/23/22 12:34	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/22 12:34	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/22 12:34	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:34	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:34	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:34	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/22 12:34	75-71-8	v3	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:34	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:34	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:34	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:34	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:34	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/22 12:34	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 12:34	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 12:34	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/22 12:34	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/22 12:34	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/22 12:34	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/22 12:34	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/23/22 12:34	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:34	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:34	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:34	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/23/22 12:34	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/22 12:34	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/23/22 12:34	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	105	%	80-110	1		11/23/22 12:34	460-00-4		
Toluene-d8 (S)	95	%	87-120	1		11/23/22 12:34	2037-26-5		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-2_11/21/22		Lab ID: 70237530005		Collected: 11/21/22 13:25		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	76-127	1		11/23/22 12:34	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	89.4	mg/L	1.0	1		12/02/22 14:12			
Alkalinity,Bicarbonate (CaCO3)	89.4	mg/L	1.0	1		12/02/22 14:12			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		12/02/22 14:12			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	284	mg/L	20.0	1		11/23/22 21:35			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	79.9	mg/L	2.0	1		11/27/22 18:58	16887-00-6		
Sulfate	44.0	mg/L	5.0	1		11/27/22 18:58	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	2.0	mg/L	0.050	1		11/26/22 22:22	14797-55-8		
Nitrate-Nitrite (as N)	2.0	mg/L	0.050	1		11/26/22 22:22	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/21/22 22:15	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		11/23/22 14:25	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-3_11/21/22		Lab ID: 70237530006		Collected: 11/21/22 14:00		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	113000	ug/L	830	1		11/30/22 13:06			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Calcium	24600	ug/L	200	1	11/29/22 13:34	11/30/22 13:06	7440-70-2		
Magnesium	12500	ug/L	200	1	11/29/22 13:34	11/30/22 13:06	7439-95-4		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/23/22 12:53	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/22 12:53	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/22 12:53	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/22 12:53	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/22 12:53	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:53	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/23/22 12:53	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/23/22 12:53	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/23/22 12:53	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/22 12:53	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/22 12:53	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:53	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:53	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 12:53	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/22 12:53	75-71-8	v3	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:53	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:53	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:53	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:53	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:53	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/22 12:53	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 12:53	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 12:53	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/22 12:53	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/22 12:53	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/22 12:53	79-34-5		
Tetrachloroethene	1.1	ug/L	1.0	1		11/23/22 12:53	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/23/22 12:53	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:53	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 12:53	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/23/22 12:53	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/23/22 12:53	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/22 12:53	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/23/22 12:53	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	102	%	80-110	1		11/23/22 12:53	460-00-4		
Toluene-d8 (S)	94	%	87-120	1		11/23/22 12:53	2037-26-5		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-3_11/21/22		Lab ID: 70237530006		Collected: 11/21/22 14:00		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	76-127	1		11/23/22 12:53	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	59.2	mg/L	1.0	1		12/02/22 14:19			
Alkalinity,Bicarbonate (CaCO3)	59.2	mg/L	1.0	1		12/02/22 14:19			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		12/02/22 14:19			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	264	mg/L	20.0	1		11/23/22 21:45			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	90.5	mg/L	2.0	1		11/27/22 19:11	16887-00-6		
Sulfate	38.0	mg/L	5.0	1		11/27/22 19:11	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	2.9	mg/L	0.050	1		11/26/22 22:23	14797-55-8		
Nitrate-Nitrite (as N)	2.9	mg/L	0.050	1		11/26/22 22:23	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/21/22 22:17	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		11/23/22 14:26	7664-41-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-5_11/21/22		Lab ID: 70237530007		Collected: 11/21/22 14:45		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville							
Tot Hardness asCaCO3 (SM 2340B	77600	ug/L	830	1		11/30/22 13:09			
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Calcium	18200	ug/L	200	1	11/29/22 13:34	11/30/22 13:09	7440-70-2		
Magnesium	7820	ug/L	200	1	11/29/22 13:34	11/30/22 13:09	7439-95-4		
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		11/23/22 13:13	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/22 13:13	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/22 13:13	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/22 13:13	74-83-9		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/22 13:13	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/22 13:13	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		11/23/22 13:13	75-00-3		
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/23/22 13:13	110-75-8		
Chloroform	<1.0	ug/L	1.0	1		11/23/22 13:13	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/22 13:13	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/22 13:13	124-48-1		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 13:13	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 13:13	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 13:13	106-46-7		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/22 13:13	75-71-8	v3	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 13:13	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 13:13	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 13:13	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 13:13	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 13:13	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/22 13:13	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 13:13	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 13:13	10061-02-6	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/22 13:13	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/22 13:13	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/22 13:13	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/22 13:13	127-18-4		
Toluene	<1.0	ug/L	1.0	1		11/23/22 13:13	108-88-3		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 13:13	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 13:13	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/23/22 13:13	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/23/22 13:13	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/22 13:13	75-01-4		
Xylene (Total)	<1.0	ug/L	1.0	1		11/23/22 13:13	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-110	1		11/23/22 13:13	460-00-4		
Toluene-d8 (S)	91	%	87-120	1		11/23/22 13:13	2037-26-5		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-5_11/21/22		Lab ID: 70237530007		Collected: 11/21/22 14:45		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	76-127	1		11/23/22 13:13	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	54.4	mg/L	1.0	1		12/02/22 14:26			
Alkalinity,Bicarbonate (CaCO3)	54.4	mg/L	1.0	1		12/02/22 14:26			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		12/02/22 14:26			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	198	mg/L	20.0	1		11/23/22 21:46			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	70.5	mg/L	2.0	1		11/27/22 19:25	16887-00-6		
Sulfate	24.9	mg/L	5.0	1		11/27/22 19:25	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	2.3	mg/L	0.050	1		11/26/22 22:24	14797-55-8		
Nitrate-Nitrite (as N)	2.3	mg/L	0.050	1		11/26/22 22:24	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/21/22 22:18	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.11	mg/L	0.10	1		11/23/22 14:27	7664-41-7		

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-7_11/21/22		Lab ID: 70237530008	Collected: 11/21/22 15:30	Received: 11/21/22 17:04	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)		Analytical Method: SM22 2340B Pace Analytical Services - Melville						
Tot Hardness asCaCO3 (SM 2340B)	2370000	ug/L	830	1		11/30/22 13:11		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Calcium	159000	ug/L	200	1	11/29/22 13:34	11/30/22 13:11	7440-70-2	
Magnesium	478000	ug/L	200	1	11/29/22 13:34	11/30/22 13:11	7439-95-4	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		11/23/22 13:32	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/22 13:32	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/23/22 13:32	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/23/22 13:32	74-83-9	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/22 13:32	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/22 13:32	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		11/23/22 13:32	75-00-3	
2-Chloroethylvinyl ether	<1.0	ug/L	1.0	1		11/23/22 13:32	110-75-8	
Chloroform	<1.0	ug/L	1.0	1		11/23/22 13:32	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		11/23/22 13:32	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/22 13:32	124-48-1	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 13:32	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 13:32	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/22 13:32	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/22 13:32	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 13:32	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/22 13:32	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 13:32	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 13:32	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/22 13:32	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/22 13:32	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 13:32	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/22 13:32	10061-02-6	IC
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/22 13:32	100-41-4	
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/22 13:32	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/22 13:32	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/22 13:32	127-18-4	
Toluene	<1.0	ug/L	1.0	1		11/23/22 13:32	108-88-3	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 13:32	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/22 13:32	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		11/23/22 13:32	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		11/23/22 13:32	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/22 13:32	75-01-4	
Xylene (Total)	<1.0	ug/L	1.0	1		11/23/22 13:32	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%	80-110	1		11/23/22 13:32	460-00-4	
Toluene-d8 (S)	93	%	87-120	1		11/23/22 13:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Sample: SW-7_11/21/22		Lab ID: 70237530008		Collected: 11/21/22 15:30		Received: 11/21/22 17:04		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
624.1 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - Melville							
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	76-127	1		11/23/22 13:32	17060-07-0		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	84.9	mg/L	1.0	1		12/02/22 14:35			
Alkalinity,Bicarbonate (CaCO3)	84.9	mg/L	1.0	1		12/02/22 14:35			
Alkalinity,Carbonate (CaCO3)	<1.0	mg/L	1.0	1		12/02/22 14:35			
2540C Total Dissolved Solids		Analytical Method: SM22 2540C Pace Analytical Services - Melville							
Total Dissolved Solids	14300	mg/L	20.0	1		11/23/22 21:46			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Chloride	10400	mg/L	400	200		11/29/22 22:25	16887-00-6		
Sulfate	<5.0	mg/L	5.0	1		11/27/22 19:38	14808-79-8		
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.61	mg/L	0.050	1		11/26/22 22:28	14797-55-8		
Nitrate-Nitrite (as N)	0.64	mg/L	0.050	1		11/26/22 22:28	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		11/21/22 22:21	14797-65-0	M1	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.12	mg/L	0.10	1		11/23/22 14:31	7664-41-7		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch:	283871	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3005A	Analysis Description:	6010 MET Water
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008

METHOD BLANK: 1434354

Matrix: Water

Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	<200	200	11/30/22 12:25	
Magnesium	ug/L	<200	200	11/30/22 12:25	

LABORATORY CONTROL SAMPLE: 1434355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	25000	24100	96	80-120	
Magnesium	ug/L	25000	23700	95	80-120	

MATRIX SPIKE SAMPLE: 1434357

Parameter	Units	70233477001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	11500	12500	22600	89	75-125	
Magnesium	ug/L	1790	12500	12500	86	75-125	

SAMPLE DUPLICATE: 1434356

Parameter	Units	70233477001 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	11500	10600	8	
Magnesium	ug/L	1790	1630	9	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch:	283411	Analysis Method:	EPA 624.1
QC Batch Method:	EPA 624.1	Analysis Description:	624.1 MSV
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70237530001, 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008		

METHOD BLANK: 1432296

Matrix: Water

Associated Lab Samples: 70237530001, 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/23/22 09:07	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/23/22 09:07	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/23/22 09:07	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/23/22 09:07	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/23/22 09:07	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	11/23/22 09:07	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/23/22 09:07	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/23/22 09:07	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/23/22 09:07	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	11/23/22 09:07	
2-Chloroethylvinyl ether	ug/L	<1.0	1.0	11/23/22 09:07	
Benzene	ug/L	<1.0	1.0	11/23/22 09:07	
Bromodichloromethane	ug/L	<1.0	1.0	11/23/22 09:07	
Bromoform	ug/L	<1.0	1.0	11/23/22 09:07	
Bromomethane	ug/L	<1.0	1.0	11/23/22 09:07	
Carbon tetrachloride	ug/L	<1.0	1.0	11/23/22 09:07	
Chlorobenzene	ug/L	<1.0	1.0	11/23/22 09:07	
Chloroethane	ug/L	<1.0	1.0	11/23/22 09:07	
Chloroform	ug/L	<1.0	1.0	11/23/22 09:07	
Chloromethane	ug/L	<1.0	1.0	11/23/22 09:07	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/23/22 09:07	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/22 09:07	
Dibromochloromethane	ug/L	<1.0	1.0	11/23/22 09:07	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/23/22 09:07	v3
Ethylbenzene	ug/L	<1.0	1.0	11/23/22 09:07	
Methylene Chloride	ug/L	<1.0	1.0	11/23/22 09:07	
Tetrachloroethene	ug/L	<1.0	1.0	11/23/22 09:07	
Toluene	ug/L	<1.0	1.0	11/23/22 09:07	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/23/22 09:07	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/22 09:07	IC
Trichloroethene	ug/L	<1.0	1.0	11/23/22 09:07	
Trichlorofluoromethane	ug/L	<1.0	1.0	11/23/22 09:07	
Vinyl chloride	ug/L	<1.0	1.0	11/23/22 09:07	
Xylene (Total)	ug/L	<1.0	1.0	11/23/22 09:07	
1,2-Dichloroethane-d4 (S)	%	99	76-127	11/23/22 09:07	
4-Bromofluorobenzene (S)	%	102	80-110	11/23/22 09:07	
Toluene-d8 (S)	%	95	87-120	11/23/22 09:07	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

LABORATORY CONTROL SAMPLE: 1432297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	24.7	124	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.3	107	60-140	
1,1,2-Trichloroethane	ug/L	20	23.5	118	70-130	
1,1-Dichloroethane	ug/L	20	25.3	127	70-130	
1,1-Dichloroethene	ug/L	20	25.1	126	70-130	
1,2-Dichlorobenzene	ug/L	20	21.1	105	65-135	
1,2-Dichloroethane	ug/L	20	24.0	120	70-130	
1,2-Dichloropropane	ug/L	20	24.2	121	35-165	
1,3-Dichlorobenzene	ug/L	20	21.2	106	70-130	
1,4-Dichlorobenzene	ug/L	20	21.0	105	65-135	
2-Chloroethylvinyl ether	ug/L	20	19.2	96	10-225	
Benzene	ug/L	20	23.5	118	65-135	
Bromodichloromethane	ug/L	20	23.6	118	65-135	
Bromoform	ug/L	20	21.7	108	70-130	
Bromomethane	ug/L	20	21.5	108	15-185 IH	
Carbon tetrachloride	ug/L	20	24.3	122	70-130	
Chlorobenzene	ug/L	20	21.3	107	65-135	
Chloroethane	ug/L	20	23.3	117	40-160	
Chloroform	ug/L	20	25.3	126	70-135	
Chloromethane	ug/L	20	17.6	88	10-205	
cis-1,2-Dichloroethene	ug/L	20	23.7	118	77-121	
cis-1,3-Dichloropropene	ug/L	20	23.0	115	25-175	
Dibromochloromethane	ug/L	20	22.5	113	70-135	
Dichlorodifluoromethane	ug/L	20	16.5	82	10-131 v3	
Ethylbenzene	ug/L	20	21.7	109	60-140	
Methylene Chloride	ug/L	20	23.2	116	60-140	
Tetrachloroethene	ug/L	20	22.2	111	65-135	
Toluene	ug/L	20	22.9	115	70-130	
trans-1,2-Dichloroethene	ug/L	20	23.7	119	70-130	
trans-1,3-Dichloropropene	ug/L	20	23.6	118	50-150 IC	
Trichloroethene	ug/L	20	23.3	116	65-135	
Trichlorofluoromethane	ug/L	20	25.4	127	50-150	
Vinyl chloride	ug/L	20	21.5	107	5-195	
Xylene (Total)	ug/L	60	65.4	109	77-121	
1,2-Dichloroethane-d4 (S)	%			99	76-127	
4-Bromofluorobenzene (S)	%			102	80-110	
Toluene-d8 (S)	%			95	87-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433462 1433463

Parameter	Units	70237626002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	20	20	23.1	23.5	115	118	70-130	2	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	19.3	19.9	97	100	60-140	3	
1,1,2-Trichloroethane	ug/L	<1.0	20	20	20.8	20.8	104	104	70-130	0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433462 1433463											
Parameter	Units	70237626002		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	
1,1-Dichloroethane	ug/L	<1.0	20	20	20	23.4	23.8	117	119	70-130	2
1,1-Dichloroethene	ug/L	<1.0	20	20	20	24.9	25.2	125	126	70-130	1
1,2-Dichlorobenzene	ug/L	<1.0	20	20	20	17.8	18.2	89	91	65-135	2
1,2-Dichloroethane	ug/L	<1.0	20	20	20	22.3	21.9	111	109	70-130	2
1,2-Dichloropropane	ug/L	<1.0	20	20	20	22.4	23.1	112	116	35-165	3
1,3-Dichlorobenzene	ug/L	<1.0	20	20	20	17.8	19.0	89	95	70-130	6
1,4-Dichlorobenzene	ug/L	<1.0	20	20	20	18.2	18.7	91	94	65-135	2
2-Chloroethylvinyl ether	ug/L	<1.0	20	20	20	17.5	17.9	87	90	10-225	2
Benzene	ug/L	<1.0	20	20	20	22.3	22.6	112	113	65-135	1
Bromodichloromethane	ug/L	<1.0	20	20	20	20.8	21.1	104	105	65-135	1
Bromoform	ug/L	<1.0	20	20	20	18.4	18.7	92	93	70-130	1
Bromomethane	ug/L	<1.0	20	20	20	16.2	17.8	81	89	15-185	9 IH
Carbon tetrachloride	ug/L	<1.0	20	20	20	21.9	22.6	110	113	70-130	3
Chlorobenzene	ug/L	<1.0	20	20	20	19.8	19.8	99	99	65-135	0
Chloroethane	ug/L	<1.0	20	20	20	22.7	25.2	113	126	40-160	11
Chloroform	ug/L	1.1	20	20	20	24.5	25.3	117	121	70-135	3
Chloromethane	ug/L	<1.0	20	20	20	19.9	18.9	99	95	10-205	5
cis-1,2-Dichloroethene	ug/L	<1.0	20	20	20	22.9	23.1	114	115	66-136	1
cis-1,3-Dichloropropene	ug/L	<1.0	20	20	20	20.9	20.8	104	104	25-175	0
Dibromochloromethane	ug/L	<1.0	20	20	20	19.9	19.7	99	98	70-135	1
Dichlorodifluoromethane	ug/L	<1.0	20	20	20	17.9	18.3	90	91	10-146	2 v3
Ethylbenzene	ug/L	<1.0	20	20	20	18.9	19.9	94	99	60-140	5
Methylene Chloride	ug/L	<1.0	20	20	20	22.3	22.2	112	111	60-140	0
Tetrachloroethene	ug/L	<1.0	20	20	20	19.5	20.1	98	101	65-135	3
Toluene	ug/L	1.0	20	20	20	23.5	22.9	112	110	70-130	2
trans-1,2-Dichloroethene	ug/L	<1.0	20	20	20	22.1	22.6	110	113	70-130	3
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	20	21.8	21.6	109	108	50-150	1 IC
Trichloroethene	ug/L	<1.0	20	20	20	21.4	22.4	107	112	65-135	5
Trichlorofluoromethane	ug/L	<1.0	20	20	20	24.5	25.2	123	126	50-150	3
Vinyl chloride	ug/L	<1.0	20	20	20	21.7	22.7	109	114	5-195	5
Xylene (Total)	ug/L	<1.0	60	60	60	57.0	58.8	95	98	72-141	3
1,2-Dichloroethane-d4 (S)	%							98	96	76-127	
4-Bromofluorobenzene (S)	%							99	102	80-110	
Toluene-d8 (S)	%							93	96	87-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch:	284407	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008			

METHOD BLANK: 1436849 Matrix: Water
Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	12/02/22 11:26	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	<1.0	1.0	12/02/22 11:26	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	1.0	12/02/22 11:26	

LABORATORY CONTROL SAMPLE: 1436850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	25.2	101	85-115	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L		1.8			
Alkalinity,Carbonate (CaCO ₃)	mg/L	25	23.4	93	85-115	

MATRIX SPIKE SAMPLE: 1436852

Parameter	Units	70237519001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	60.8	50	101	81	75-125	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	60.8		75.5			
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	50	25.5	51	75-125	M1

SAMPLE DUPLICATE: 1436851

Parameter	Units	70237519001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	60.8	56.5	7	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	60.8	56.5	7	
Alkalinity,Carbonate (CaCO ₃)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch: 283565 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005

METHOD BLANK: 1433071 Matrix: Water
Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	11/23/22 20:36	

LABORATORY CONTROL SAMPLE: 1433072

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	442	88	85-115	

MATRIX SPIKE SAMPLE: 1433074

Parameter	Units	70236960014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	558	6000	6080	92	75-125	

MATRIX SPIKE SAMPLE: 1433076

Parameter	Units	70236960016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	818	6000	5660	81	75-125	

SAMPLE DUPLICATE: 1433073

Parameter	Units	70236960014 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	558	558	0	

SAMPLE DUPLICATE: 1433075

Parameter	Units	70236960016 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	818	798	2	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch:	283566	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70237530006, 70237530007, 70237530008

METHOD BLANK: 1433077 Matrix: Water

Associated Lab Samples: 70237530006, 70237530007, 70237530008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	11/23/22 21:36	

LABORATORY CONTROL SAMPLE: 1433078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	444	89	85-115	

MATRIX SPIKE SAMPLE: 1433080

Parameter	Units	70237530006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	264	600	794	88	75-125	

SAMPLE DUPLICATE: 1433079

Parameter	Units	70237530006 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	264	252	5	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch:	283605	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008

METHOD BLANK: 1433268

Matrix: Water

Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.17J	2.0	11/27/22 15:34	
Sulfate	mg/L	0.23J	5.0	11/27/22 15:34	

LABORATORY CONTROL SAMPLE: 1433269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.0	100	90-110	
Sulfate	mg/L	10	10.0	100	90-110	

MATRIX SPIKE SAMPLE: 1433270

Parameter	Units	70237286004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	14.7	10	26.2	115	90-110	M1
Sulfate	mg/L	<5.0	10	12.7	116	90-110	M1

MATRIX SPIKE SAMPLE: 1433272

Parameter	Units	70237286006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	21.7	10	33.1	114	90-110	M1
Sulfate	mg/L	<5.0	10	11.7	113	90-110	M1

SAMPLE DUPLICATE: 1433271

Parameter	Units	70237286004 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	14.7	14.9	1	
Sulfate	mg/L	<5.0	1.2J		

SAMPLE DUPLICATE: 1433273

Parameter	Units	70237286006 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	21.7	21.8	1	
Sulfate	mg/L	<5.0	0.42J		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch:	283141	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70237530002

METHOD BLANK: 1431160 Matrix: Water

Associated Lab Samples: 70237530002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/21/22 21:26	

LABORATORY CONTROL SAMPLE: 1431161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	0.95	95	90-110	

MATRIX SPIKE SAMPLE: 1431162

Parameter	Units	70237446007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.42	84	90-110	H3,M1

MATRIX SPIKE SAMPLE: 1431164

Parameter	Units	70237492002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.39	0.5	0.80	82	90-110	M1

SAMPLE DUPLICATE: 1431163

Parameter	Units	70237446007 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		H3

SAMPLE DUPLICATE: 1431165

Parameter	Units	70237492002 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.39	0.39	0	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch:	283142	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples: 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008			

METHOD BLANK:	1431166	Matrix:	Water
Associated Lab Samples: 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008			

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	11/21/22 22:02	

LABORATORY CONTROL SAMPLE: 1431167						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	0.95	95	90-110	

MATRIX SPIKE SAMPLE:		1431168					
		70237530003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.42	79	90-110	M1

MATRIX SPIKE SAMPLE:		1431170					
		70237530008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.43	81	90-110	M1

SAMPLE DUPLICATE: 1431169					
Parameter	Units	70237530003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1431171					
Parameter	Units	70237530008 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch:	283644	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008

METHOD BLANK:	1433419	Matrix:	Water

Associated Lab Samples: 70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	11/26/22 21:57	

LABORATORY CONTROL SAMPLE: 1433420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.96	96	90-110	

MATRIX SPIKE SAMPLE: 1433421

Parameter	Units	70237931001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.51	95	90-110	

MATRIX SPIKE SAMPLE: 1433423

Parameter	Units	70237530003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.1	2.5	5.4	92	90-110	

SAMPLE DUPLICATE: 1433422

Parameter	Units	70237931001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1433424

Parameter	Units	70237530003 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.1	2.9	5	

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QUALITY CONTROL DATA

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

QC Batch:	283490	Analysis Method:	SM22 4500 NH3 H
QC Batch Method:	SM22 4500 NH3 H	Analysis Description:	4500 Ammonia
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008		

METHOD BLANK:	1432616	Matrix:	Water
Associated Lab Samples:	70237530002, 70237530003, 70237530004, 70237530005, 70237530006, 70237530007, 70237530008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	0.10	11/23/22 14:19	

LABORATORY CONTROL SAMPLE:	1432617					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	110	90-110	

MATRIX SPIKE SAMPLE:	1432618						
		70237558002					
Parameter	Units	Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	1	1.0	101	75-125	

SAMPLE DUPLICATE: 1432619

Parameter	Units	70237558002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	<0.10		

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QUALIFIERS

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 70237530

[1] Client sample SW-7_11/21/22 received, not listed on COC; client was notified. See Sample Condition Upon Receipt Form for details.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

√3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70237530002	SW-6_11/21/22	SM22 2340B	284352		
70237530003	SW-4_11/21/22	SM22 2340B	284352		
70237530004	SW-1_11/21/22	SM22 2340B	284352		
70237530005	SW-2_11/21/22	SM22 2340B	284352		
70237530006	SW-3_11/21/22	SM22 2340B	284352		
70237530007	SW-5_11/21/22	SM22 2340B	284352		
70237530008	SW-7_11/21/22	SM22 2340B	284352		
70237530002	SW-6_11/21/22	EPA 3005A	283871	EPA 6010C	283943
70237530003	SW-4_11/21/22	EPA 3005A	283871	EPA 6010C	283943
70237530004	SW-1_11/21/22	EPA 3005A	283871	EPA 6010C	283943
70237530005	SW-2_11/21/22	EPA 3005A	283871	EPA 6010C	283943
70237530006	SW-3_11/21/22	EPA 3005A	283871	EPA 6010C	283943
70237530007	SW-5_11/21/22	EPA 3005A	283871	EPA 6010C	283943
70237530008	SW-7_11/21/22	EPA 3005A	283871	EPA 6010C	283943
70237530001	TRIP BLANK_11/21/22	EPA 624.1	283411		
70237530002	SW-6_11/21/22	EPA 624.1	283411		
70237530003	SW-4_11/21/22	EPA 624.1	283411		
70237530004	SW-1_11/21/22	EPA 624.1	283411		
70237530005	SW-2_11/21/22	EPA 624.1	283411		
70237530006	SW-3_11/21/22	EPA 624.1	283411		
70237530007	SW-5_11/21/22	EPA 624.1	283411		
70237530008	SW-7_11/21/22	EPA 624.1	283411		
70237530002	SW-6_11/21/22	SM22 2320B	284407		
70237530003	SW-4_11/21/22	SM22 2320B	284407		
70237530004	SW-1_11/21/22	SM22 2320B	284407		
70237530005	SW-2_11/21/22	SM22 2320B	284407		
70237530006	SW-3_11/21/22	SM22 2320B	284407		
70237530007	SW-5_11/21/22	SM22 2320B	284407		
70237530008	SW-7_11/21/22	SM22 2320B	284407		
70237530002	SW-6_11/21/22	SM22 2540C	283565		
70237530003	SW-4_11/21/22	SM22 2540C	283565		
70237530004	SW-1_11/21/22	SM22 2540C	283565		
70237530005	SW-2_11/21/22	SM22 2540C	283565		
70237530006	SW-3_11/21/22	SM22 2540C	283566		
70237530007	SW-5_11/21/22	SM22 2540C	283566		
70237530008	SW-7_11/21/22	SM22 2540C	283566		
70237530002	SW-6_11/21/22	EPA 300.0	283605		
70237530003	SW-4_11/21/22	EPA 300.0	283605		
70237530004	SW-1_11/21/22	EPA 300.0	283605		
70237530005	SW-2_11/21/22	EPA 300.0	283605		
70237530006	SW-3_11/21/22	EPA 300.0	283605		
70237530007	SW-5_11/21/22	EPA 300.0	283605		
70237530008	SW-7_11/21/22	EPA 300.0	283605		
70237530002	SW-6_11/21/22	EPA 353.2	283644		
70237530003	SW-4_11/21/22	EPA 353.2	283644		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EAST NORTHPORT SURFACE WATERS

Pace Project No.: 70237530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70237530004	SW-1_11/21/22	EPA 353.2	283644		
70237530005	SW-2_11/21/22	EPA 353.2	283644		
70237530006	SW-3_11/21/22	EPA 353.2	283644		
70237530007	SW-5_11/21/22	EPA 353.2	283644		
70237530008	SW-7_11/21/22	EPA 353.2	283644		
70237530002	SW-6_11/21/22	EPA 353.2	283141		
70237530003	SW-4_11/21/22	EPA 353.2	283142		
70237530004	SW-1_11/21/22	EPA 353.2	283142		
70237530005	SW-2_11/21/22	EPA 353.2	283142		
70237530006	SW-3_11/21/22	EPA 353.2	283142		
70237530007	SW-5_11/21/22	EPA 353.2	283142		
70237530008	SW-7_11/21/22	EPA 353.2	283142		
70237530002	SW-6_11/21/22	SM22 4500 NH3 H	283490		
70237530003	SW-4_11/21/22	SM22 4500 NH3 H	283490		
70237530004	SW-1_11/21/22	SM22 4500 NH3 H	283490		
70237530005	SW-2_11/21/22	SM22 4500 NH3 H	283490		
70237530006	SW-3_11/21/22	SM22 4500 NH3 H	283490		
70237530007	SW-5_11/21/22	SM22 4500 NH3 H	283490		
70237530008	SW-7_11/21/22	SM22 4500 NH3 H	283490		

REPORT OF LABORATORY ANALYSIS

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WO#: 70237530



CHAIN-OF-CUSTODY / Analytical

The Chain-of-Custody is a LEGAL DOCUMENT. A

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions for

Page: 1 Of 1

Section A

Required Client Information:
 Company: Divka & Barilucci
 Address: 330 Crossways Park Drive
 Woodbury, NY 11797
 Email: krobins@db-ang.com
 Phone: (516) 578-5545
 Requested Due Date: 11/21/22

Required Project Information:
 Report To: Keith Robins
 Copy To:
 Purchase Order #:
 Project Name: East Northport Surface Waters
 Project #: 5629 - 2nd Seasonal Sampling Event - 2022

Invoice Information:
 Attention: Keith Robins
 Company Name: Divka & Barilucci
 Address: 330 Crossways Park Drive
 Pace Quote:
 Pace Project Manager: giovanna.deloca@pacelabs.com
 Pace Profile #: 5278

Regulatory Agency:
 State / Location: NY

Section B

ITEM #	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	PRESERVATIVES						Analyses Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	TCL VOCs, alkanes/bicarbonate, ammonia, nitrate, chloride, sulfate, total dissolved solids, and nutrients	TEMP in C	Received on ice (Y/N)	Custody Sealed (Y/N)	Samples Intact (Y/N)
			START DATE	END DATE				UNPRESERVED	H2SO4	HNO3	HCl	NaOH	Na2S2O3								
1	TRIP Blank - 11/21/22		11/21/22	11/21/22	WT		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	SW-6 - 11/21/22		11/21/22 1:45pm	11/21/22	WT	G	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1
3	SW-4 - 11/21/22		11/21/22 12:10pm	11/21/22	WT	G	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1
4	SW-1 - 11/21/22		11/21/22 12:30pm	11/21/22	WT	G	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1
5	SW-2 - 11/21/22		11/21/22 12:50pm	11/21/22	WT	G	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1
6	SW-3 - 11/21/22		11/21/22 2:00pm	11/21/22	WT	G	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1
7	SW-5 - 11/21/22		11/21/22 2:45pm	11/21/22	WT	G	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS:
 Metals: Ca, Mg + Hardness
 Provide Certificates for SW-6 and SW-5 for water use
 Seal labels for Lab Analysis 11-21-22

RELINQUISHED BY / AFFILIATION: Keith Robins
 DATE: 11/21/22
 TIME: 4:45pm

ACCEPTED BY / AFFILIATION: Keith Robins
 DATE: 11/21/22
 TIME: 17:04

SAMPLER NAME AND SIGNATURE: Keith Robins
 PRINT Name of SAMPLER: Keith Robins
 SIGNATURE of SAMPLER: Keith Robins
 DATE Signed: 11/21/22



Sample Condition Upon Receipt

WO#: 70237530

Client Name:

Proj:

PM: GFD

Due Date: 12/05/22

CLIENT: D&B

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: T1148

Correction Factor: + 0.1

Cooler Temperature (°C): 1.2

Cooler Temperature Corrected (°C): 1.3

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: K-P 12/1/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

NM, NY, OK, OR, SC, TN, TX, or VA [check map]? ☐ Yes ☐ No

Did samples originate from a foreign source

including Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	☒ Yes ☐ No	1.
Chain of Custody Filled Out:	☒ Yes ☐ No	2.
Chain of Custody Relinquished:	☒ Yes ☐ No	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr):	☒ Yes ☐ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume: (Triple volume provided for)	☒ Yes ☐ No	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No	10.
Containers Intact:	☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes ☐ No	12.
-Includes date/time/ID, Matrix: SL, WT, OIL		
All containers needing preservation have been checked?	☒ Yes ☐ No ☐ N/A	13.
pH paper Lot # 11293085		
All containers needing preservation are found to be in compliance with method recommendation?		Sample #
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☒ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRD/8015 [water].		
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		
Residual chlorine strips Lot #		Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes ☐ No ☒ N/A	15.
Lead Acetate Strips Lot #		Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	16.
Trip Blank Present:	☒ Yes ☒ No ☐ N/A	17.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

SW-7 not on CoC, logged off bottles