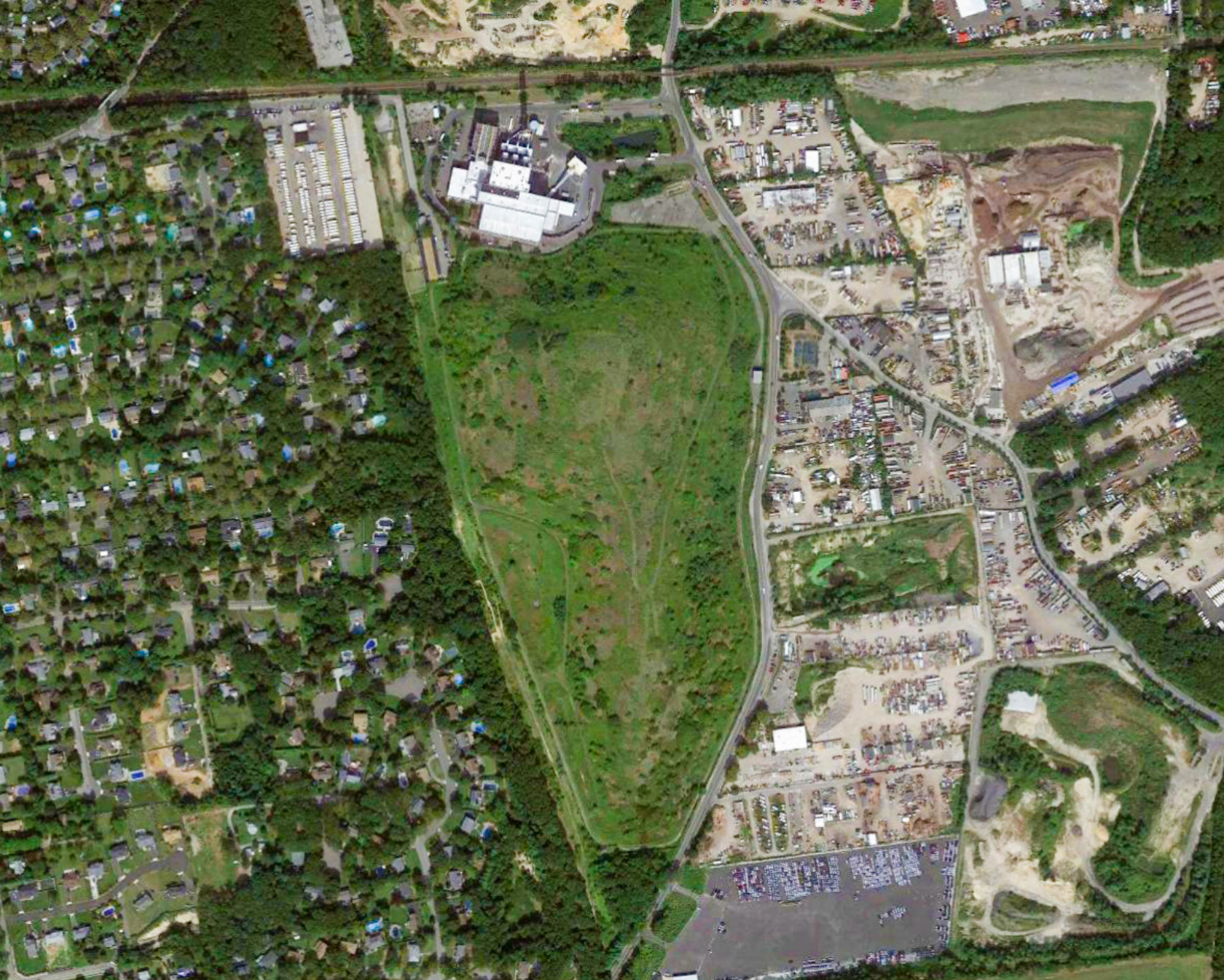




TOWN OF HUNTINGTON - EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING REPORT
FIRST SEMI-ANNUAL REPORT 2024



D&B ENGINEERS
AND ARCHITECTS

SEPTEMBER 2024

GROUNDWATER AND SURFACE WATER MONITORING PROGRAM

FIRST SEMI-ANNUAL RESULTS OF 2024

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

Prepared for:

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SEPTEMBER 2024

**EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
FIRST SEMI-ANNUAL RESULTS OF 2024**

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
1.0	INTRODUCTION.....	1-1
1.1	Purpose.....	1-1
1.2	Site Location and Description.....	1-1
1.3	Report Format	1-4
2.0	SAMPLING LOCATIONS	2-1
3.0	SAMPLING PROCEDURES AND ANALYSES	3-1
3.1	Groundwater Level Measurement Procedures.....	3-1
3.2	Sampling Procedures	3-1
3.3	Sample Analyses	3-3
3.3.1	Groundwater Analyses.....	3-3
3.3.2	Surface Water Analyses.....	3-4
4.0	ANALYTICAL RESULTS	4-1
4.1	Field Parameters.....	4-1
4.2	Monitoring Well Groundwater Results.....	4-1
4.2.1	Volatile Organic Compounds	4-1
4.2.2	Inorganic Parameters	4-1
4.2.3	Leachate Indicators	4-6
4.2.4	Emerging Contaminants.....	4-7
4.3	Surface Water Sample Results.....	4-8
4.3.1	Volatile Organic Compounds	4-8
4.3.2	Leachate Indicators	4-8
5.0	DATA VALIDATION	5-1
6.0	GROUNDWATER LEVEL MEASUREMENTS.....	6-1
7.0	CONCLUSIONS AND RECOMMENDATIONS.....	7-1
7.1	Conclusions.....	7-1
7.2	Recommendations.....	7-1

TABLE OF CONTENTS (continued)

<u>Section</u>	<u>Title</u>	<u>Page</u>

List of Appendices

	Monitoring Well Sample Results – Volatile Organic Compounds.....	A-1
	Monitoring Well Sample Results – Inorganic Parameters.....	A-2
	Monitoring Well Sample Results – Leachate Indicators	A-3
	Monitoring Well Sample Results – Emergent Contaminants	A-4
	Historical Groundwater Results.....	B
	Surface Water Sample Results – Volatile Organic Compounds.....	C-1
	Surface Water Sample Results – Leachate Indicators	C-2
	Historical Surface Water Results	D
	Field Observation Logs.....	E
	Chain of Custody Forms	F
	Data Validation Forms	G
	Laboratory Data Package.....	H

List of Figures

1-1	Site Location Map.....	1-2
2-1	Monitoring Well and Surface Water Sample Locations	2-2

List of Tables

2-1	Summary of Monitoring Well Construction Details.....	2-3
4-1	Summary of Final Field Parameter Results – Groundwater	4-2
4-2	Summary of Final Field Parameter Results – Surface Water	4-4
6-1	Monitoring Well Groundwater Elevations.....	6-2

1.0 INTRODUCTION

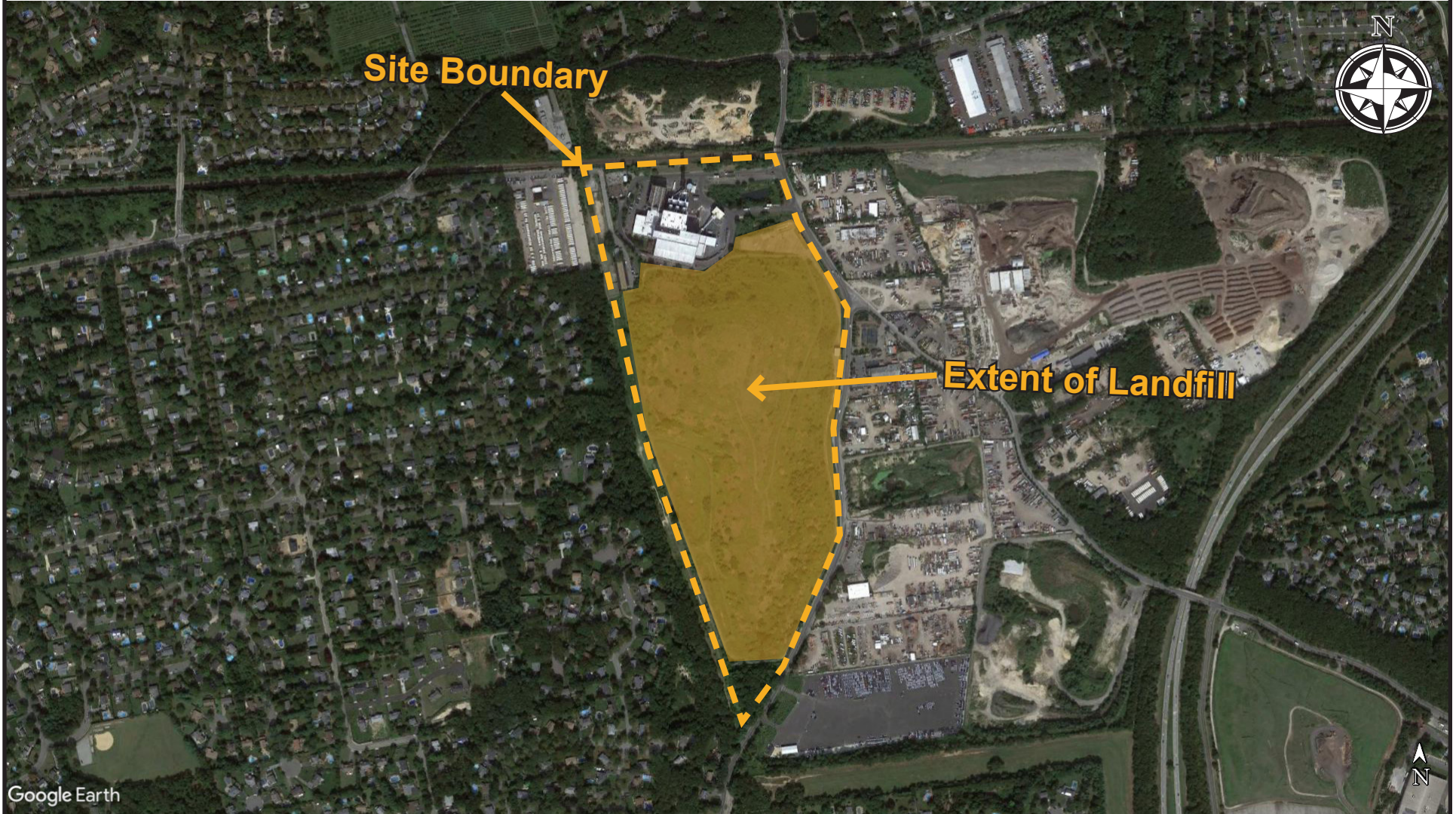
This report presents the field and analytical results obtained in support of the Groundwater and Surface Water Monitoring Program conducted during the first Semi-annual event (second quarter of 2024), for the East Northport Landfill, on behalf of the Town of Huntington (TOH), Department of Environmental Waste Management. Groundwater sampling was performed by D&B Engineers and Architects (D&B) on May 15, 16, and 20, 2024. Surface water sampling was performed on May 17, 2024. 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 an 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. Residential homes are located further to the west.

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 waste 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.

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.

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 regraded 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. 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 second quarter 2024 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 wells. The locations of the groundwater monitoring wells are shown in **Figure 2-1**. All eleven wells were sampled as part of the first Semi-annual (second quarter 2024) sampling event. Well construction information for these wells are summarized in **Table 2-1**.

Additionally, a total of seven 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 in **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**

FIGURE 2-1

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 bls.)	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	80	43 to 37	112.92	Cross gradient
CW1-M	6	92	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	180	-27 to -47	132.62	Downgradient
EN7-M	4	230	-166 to -176	54.17	Downgradient
EN9-M	4	135	-94 to -104	31.28	Downgradient
EN10-M	4	440	-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.

bls: below land surface

msl: mean sea level

Source: Remedial Investigation of the East Northport Landfill (1994)

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 Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Part 375, June 2021). Sampling protocols were changed due to the prevalence of 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 sampled 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 samples 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 first Semi-annual (second quarter 2024) 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 first Semi-annual (second quarter 2024) 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 Preliminary Target Levels (PTL)/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
FIRST SEMI-ANNUAL GROUNDWATER SAMPLING - SECOND QUARTER 2024
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	6.93	18.01	0.843	11.2	-178	0.26		0.0	Submersible Pump
CW1-M	6.87	17.54	0.304	24.0	-129	0.40		0.0	Submersible Pump
CW2-M	5.76	14.40	0.368	4.0	152	0.51		0.0	Submersible Pump
CW4-S	6.00	16.88	0.310	35.2	57	0.70		0.0	Submersible Pump
CW4-M	6.18	14.29	0.306	2.4	187	6.62		0.0	Submersible Pump
EN1-M	5.59	14.73	0.412	48.3	83	5.26	0.20	0.0	Bladder Pump
EN6-S	5.45	13.26	0.395	0	228	6.86		0.0	Submersible Pump
EN6-M	6.15	12.99	0.538	0	138	2.14		0.0	Submersible Pump
EN7-M	7.10	14.10	1.35	46.3	-108	0.26	0.67	0.0	Bladder Pump
EN9-M	6.39	11.92	0.726	3.1	150	5.36		0.0	Submersible Pump
EN10-M	4.15	15.12	0.245	19.6	318	6.86	0.1	0.0	Submersible Pump

Table 4-1(Continued)

**EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
FIRST SEMI-ANNUAL GROUNDWATER SAMPLING – SECOND QUARTER 2024
SUMMARY OF FINAL FIELD PARAMETER RESULTS AND FIELD DATA**

Monitorin g 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	57.63	77.54	6	100	5/16/2024	10:35 AM	JS	Cloudy/Rain, 55 F
CW1-M	57.66	104.60	6	200	5/16/2024	9:35 AM	JS	Cloudy/Rain, 55 F
CW2-M	78.75	116.51	4	100	5/15/2024	1:35 PM	JS + CA	Cloudy/Rain, 60 F
CW4-S	93.43	117.00	4	50	5/15/2024	10:45 AM	JS + CA	Cloudy/Rain, 60 F
CW4-M	93.34	148.00	4	112.5	5/15/2024	9:35 AM	JS + CA	Cloudy/Rain, 60 F
EN1-M	63.98	176.00	4	22.75 (liters)	5/20/2024	1:00 PM	JS	Sunny, 70F
EN6-S	96.05	113.95	4	60	5/16/2024	12:00 PM	JS	Cloudy/Rain, 55 F
EN6-M	94.98	174.00	4	160	5/16/2024	1:30 PM	JS	Cloudy/Rain, 55 F
EN7-M	24.53	223.74	4	38.5 (liters)	5/20/2024	5:00 PM	JS + CA	Sunny, 70F
EN9-M	25.75	133.60	4	225	5/15/2024	12:30 PM	JS + CA	Cloudy/Rain, 60 F
EN10-M	220	416.00	4	390	5/20/2024	4:20 PM	JS + CA	Sunny, 70F

Notes:

Final field parameter readings were measured upon 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
FIRST SEMI-ANNUAL SURFACE WATER SAMPLING - SECOND QUARTER 2024
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	6.34	13.30	0.398	13.9	78	5.56	0.19
SW-2	6.68	13.35	1.04	13.1	29	6.71	0.52
SW-3	6.80	14.02	2.45	33.9	65	5.72	1.24
SW-4	6.39	12.98	0.369	2.9	72	5.38	0.27
SW-5	6.41	14.48	0.436	22.2	37	5.25	0.18
SW-6	6.62	15.51	0.458	61.0	75	5.60	0.22
SW-7	6.42	14.03	35.8	20.1	226	6.42	22.35

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 38.6 ug/l. Arsenic was not detected within upgradient well EN1-M.
- *Cadmium* exceeded the groundwater standard (5 ug/l) in downgradient well CW2-M at a concentration of 6.65 ug/l. Cadmium was not detected within upgradient well EN1-M.
- *Chromium* was not detected in any groundwater monitoring wells at concentrations above the groundwater standard of (200 ug/l).
- *Iron* exceeded the groundwater standard (300 ug/l) in downgradient wells CW2-M, CW4-S, EN6-M, and EN-10M at concentrations of 732 ug/l, 999 ug/l, 5,170 ug/l, and 1,600 ug/l, respectively. Iron also exceeded the groundwater standard in cross-gradient wells CW1-S and CW1-M, at concentrations of 13,700 ug/l and 633 ug/l, respectively. In upgradient well EN1-M, iron exceeded the groundwater standard at a concentration of 795 ug/l.
- *Lead* exceeded the groundwater standard (25 ug/l) in downgradient well EN-10M at a concentration of 50.3 ug/l. Lead was not detected within upgradient well EN1-M.
- *Mercury* exceeded the groundwater standard (0.7 ug/l) in downgradient well EN9-M at a concentration of 2.492 ug/l. Mercury was not detected within upgradient well EN1-M.)
- *Sodium* exceeded the groundwater standard (20,000 ug/l) in downgradient wells CW2-M, CW4-S, EN6-S, EN6-M, EN9-M, and EN10-M at concentrations ranging from 21,700 ug/l to 162,000 ug/l. Sodium exceeded the groundwater standard in cross-gradient well CW1-S at a concentration of 64,600 ug/l. In upgradient well EN1-M, sodium exceeded the groundwater standard at a concentration of 29,300 ug/l.

Select inorganic parameters which exceeded the Class GA groundwater standards during the prior sampling event (Fourth Quarter 2023) compared to the results of this sampling event are presented below:

- *Arsenic* has exceeded the groundwater standard for the third consecutive sampling event within cross-gradient well CW1-S. Arsenic was detected at concentrations of 72 ug/l, and 74.9 ug/l during the prior two sampling events, respectively. During this sampling event the concentration of Arsenic decreased to 38.6 ug/l.
- *Cadmium* exceeded the groundwater standard within downgradient well CW4-S during the prior two sampling events at concentrations of 7.06 ug/l, and 31.3 ug/l, respectively. Cadmium was not detected above the groundwater standard within downgradient well CW4-S during this sampling event.

- *Chromium* was not detected in any groundwater monitoring wells during the prior sampling event and continues to be nondetectable in this sampling event. Historically upgradient well EN1-M has exceeded the groundwater standard.
- *Iron* exceeded the groundwater standard for consecutive events within cross-gradient and downgradient wells; CW1-M, CW1-S, CW2-M, and CW-4S. The maximum concentration of iron detected during this sampling event was 13,700 ug/l at CW1-S, a decrease from the previous sampling event which had a concentration of 25,400 ug/l in CW1-S. At upgradient well EN1-M iron concentrations have exceeded the groundwater standard for consecutive sampling events, with concentrations increasing from 592 ug/l during the previous event to 795 ug/l during this current event.
- *Sodium* has exceeded the groundwater standard for consecutive sampling events at downgradient and cross gradient wells; CW1-S, EN6-S, and EN9-M. Downgradient monitoring well EN9-M exceeded the groundwater standard during this sampling event with a concentration of 75,400 ug/l, during the prior sampling event EN9-M was detected at a similar concentration of 76,800 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 25.5 mg/l. Ammonia was also detected above the groundwater standard in downgradient well EN7-M at a concentration of 21.9 mg/l. Ammonia was not detected within upgradient well EN1-M.
- *Total Dissolved Solids* were not detected above the groundwater standard (500 mg/l) in any of the cross gradient or downgradient wells with the exception of EN7-M which had TDS at 804 mg/l. Total Dissolved Solids were detected below the groundwater standards at upgradient well EN1-M, at a concentration of 273 mg/l.

Select leachate indicators which exceeded the Class GA groundwater standards during the prior sampling event (Fourth Quarter 2023) compared to the results of this sampling event are presented below:

- *Ammonia* has exceeded the groundwater standard for the third consecutive sampling event at well CW1-S. Ammonia concentrations had increased from 10.8 mg/l to 28.2 mg/l over the two prior sampling events, however, during this current monitoring event ammonia concentrations remained similar at 25.5 mg/l.
- *Total Dissolved Solids* has not exceeded the groundwater standard in any EN7-M of the cross gradient or downgradient wells during this or 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 NYSDOH TOGS 1.1.1 Guidance Values (GV), as well as for comparison of results from upgradient well EN1-M are discussed below:

- *Perfluorooctane Sulfonic Acid (PFOS)* was not detected above the NYSDOH TOGS Guidance Value (2.7 ng/l) in any of the three selected wells. PFOS was detected below the guidance value in upgradient well EN1-M, at a concentration of 2.1 ng/l.
- *Perfluorooctanoic Acid (PFOA)* was not detected above the NYSDOH TOGS Guidance Value (6.7 ng/l) in any of the three selected wells. In upgradient well EN1-M, PFOA was detected below the guidance value at a concentration of 4.88 ng/l.
- *1,4-Dioxane* was detected above the NYSDOH TOGS Guidance Value (0.35 ug/l) in downgradient well EN7-M at a concentration of 18.7 ug/l. 1,4-Dioxane was detected in upgradient well EN1-M below the guidance value at a concentration of 0.304 ug/l.

A comparison of Emerging Contaminant concentrations at the selected wells during the prior sampling event (fourth quarter 2023) compared to the results of this sampling event is presented below:

- *Perfluorooctane Sulfonic Acid (PFOS)* had exceeded the guidance value in downgradient well EN7-M for the two previous sampling events. PFOS concentration in well EN7-M decreased this sampling event to undetected, compared to a detected concentration of 14.1 ng/l, and 36.1 ng/l during the prior two sampling events.

- *Perfluorooctanoic Acid (PFOA)* had exceeded the guidance value in downgradient well EN7-M for the two previous sampling events. PFOA concentration in well EN7-M decreased this sampling event to undetected, compared to a detected concentration of 17 ng/l, and 105 ng/l during the prior two sampling event.
- *1,4-Dioxane* has exceeded the guidance value in downgradient well EN7-M for a third consecutive sampling event. 1,4-Dioxane concentration in well EN7-M increased this sampling event to 18.7 ug/l, compared to a detected concentration of 5.58 ug/l during the prior sampling event.
- Total PFAS concentrations changed in this sampling event compared to the prior event; EN1-M remained similar at 28.498 ng/l compared to 28.35 ng/l in the previous event, EN7-M decreased from 101.85 ng/l to 0.00 ng/l, and EN10-M increased from 0.00 ng/l, to 31.9 ng/l.

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**. 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 May 2024 sampling event for the East Northport SA Landfill included the collection of a total of 11 groundwater and seven surface waters. The samples were analyzed for modified baseline parameters, which consist of the NYCRR Part 363 baseline parameters. Laboratory analyses were performed by York Analytical Laboratories, Richmond Hills, NY. 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 also sent to York Analytical Laboratories, Richmond Hills, NY for per-and polyfluoroalkyl substances and 1,4-dioxane.

Four data packages (24E1150, 24E1267, 24E1286, and 24E1374) 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.

- Chloroform was detected in the field blank in data package 24E1374. Chloroform was qualified as non-detect (UB) in samples EN1-M, CW4-M, and EN6-S.
- The percent recoveries (%Rs) were below the quality control (QC) limits in the laboratory control sample (LCS) and/or and LCS duplicate (LCSD) for 2-chloroethylvinyl ether associated with all samples and qualified as an estimated detection limit (UJ) in all samples for data package 24E1150.
- The %Rs were below the QC limits in the LCS and LCSD for 2-chloroethylvinyl ether and tetrachloroethylene associated with all samples. They were qualified as an estimated detection limit (UJ) in all samples for data package 24E1267, 24E1286, and 24E1374.
- The %R was above the QC limit for cis-1,2-dichloroethylene in the MS and MSD; it was detected in the sample EN7-M and was qualified as estimated (J).
- The percent differences (%Ds) were above the QC limit for bromomethane, trichlorofluoromethane, and vinyl chloride in the continuing calibration and were qualified as an estimated detection limit (UJ) in in samples SW-6 and SW-7 and all samples for data package 24E1150.

- The %D was above the QC limit in the continuing calibration for chloroethane was qualified as an estimated detection limit (UJ) in samples SW-6 and SW-7 and all samples for data packages 24E1150 and 24E1267.
- The %Ds were above the QC limits in the continuing calibration for chloroethane, tetrachloroethylene, trichlorofluoromethane, and vinyl chloride and were qualified as an estimated detection limit (UJ) in samples SW-1, SW-2, SW-3, SW-4, SW-5, and Trip Blank.
- The %Ds were above the QC limits in the continuing calibration for bromomethane and trichlorofluoromethane associated with samples EN1-M, TRIP BLANK-5/20/24, FIELD BLANK-1, and BLIND DUPLICATE-1 and tetrachloroethylene with all samples in data package 24E1374. They were qualified as an estimated detection limit (UJ) in associated samples.
- It appears that sample EN7-M was mislabeled as sample Field Blank-1 for the PFAS analysis. This was based on both the historical trends and field duplicate result, therefore the PFAS analysis for sample EN7-M and Field Blank-1 were switched in this sampling event.
- Perfluorododecanesulfonic acid (PFDoS) %R was below the QC limit and perfluorotridecanoic acid (PFTrDA) %R was above the QC limit in the MSD associated with sample EN1-M. The RPDs were above the QC limits for perfluorotridecanoic acid (PFTrDA), 11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS), and perfluorodecanesulfonic acid (PFDoS) in the MS/MSD associated with sample EN1-M. They were qualified as an estimated limit (UJ) in sample EN1-M.
- The surrogate %R was outside the QC limit and perfluoro-n-butanoic acid (PFBA) was detected and qualified as estimated (J) in samples EN7-M and Bind Duplicate-1.
- The RSDs were above the for 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTS), 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2 FTS), and 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTS) in the initial calibration. They were qualified as estimated (J/UJ) for data package 24E1374 in all samples.
- It appears that sample EN7-M was mislabeled as sample EN10-M for the 6010D analysis. This was based on both the historical trends and field duplicate result, therefore the 6010D analysis for sample EN7-M and EN10-M were switched in this sampling event. Since hardness was calculated by method 6010D, the hardness results were also corrected by switching EN7-M and EN10-M.
- The laboratory control sample %R was below the QC limit for potassium and above the QC limit for sodium. Potassium was qualified as estimated bias low (JL) in all samples in data packages 24E1150. Sodium was qualified as estimated bias high (JH) in all samples in data packages 24E1150 and 24E1267.

- The %Rs were above the QC limits in the laboratory control or spike samples for calcium and below for potassium associated with sample EN1-M; and below for mercury associated with all samples. Calcium was qualified as estimated bias high (JH) in sample EN1-M. Potassium was qualified as estimated bias low (JL) in sample EN1-M. Mercury was qualified as an estimated limit (UJ) in all samples.
- The %Ds were above the QC limits in serial dilution check for aluminum and calcium. They were qualified as estimated (J) in samples CW1-M, CW1-S, and EN6-M; and for calcium in sample EN6-S.
- The %Ds were above the QC limits in the serial dilution for aluminum, calcium, chromium, magnesium, and sodium associated with all samples. The following were qualified as estimated (J): aluminum in samples EN1-M and EN7-M; calcium, magnesium, and sodium in samples EN1-M, EN7-M, and EN10-M; and chromium in sample EN1-M.
- Sample EN7-M was field duplicated and labeled BLIND DUPLICATE. Based on field duplicate results aluminum was qualified as estimated (J) in sample EN7-M and BLIND DUPLICATE.
- Nitrate was detected in the field blank in data package 24E1374. Nitrate was qualified as non-detect (UB) in sample CW1-M, CW1-S, and EN6-M.
- The %R was below the QC limit in the matrix spike for sulfate and it was qualified as estimated (J) in all samples for data packages 24E1150.
- The %R was below the QC limit for chloride in the matrix spike for sample CW1-M. Chloride was qualified as estimated bias low (JL) in sample CW1-M.
- The %Rs were below the QC limits for nitrate and sulfate in the matrix spike associated with samples CW1-S, EN6-S, and EN6-M. Sulfate was qualified as estimated bias low (JL) in samples CW1-S, EN6-S, and EN6-M and nitrate in sample EN6-S. Nitrate was qualified as an estimated limit (UJ) in samples CW1-S and EN6-M.
- The %R was below in the spike for sulfate associated with samples EN10-M, EN7-M, Field Blank-1, and Blind Duplicate-1 and ammonia associated with all samples. The following were qualified as estimated bias low (JL) or an estimated limit (UJ) for ammonia in all samples and sulfate in samples EN10-M, EN7-M, Field Blank-1, and Blind Duplicate-1.
- Sample EN7-M was field duplicated and labeled Blind Duplicate-1. Based on field duplicate results ammonia was qualified as estimated (J) in both samples EN7-M and Blind Duplicate-1.
- The chloride results in samples SW-1, SW-2, SW-3, SW-4, SW-5, SW-6, CW-1S, CW-2M, CW-4-M, CW-4S, EN1-M, EN6-S, EN7-M, EN9-M, and EN10-M; and sulfate in samples SW-2, CW-1M, and EN7-M were analyzed at a secondary dilution (D).

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 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
FIRST SEMI-ANNUAL 2024 - 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	5/16/2024	112.92	57.63	55.29
CW1-M	5/16/2024	111.68	57.66	54.02
CW2-M	5/15/2024	130.57	78.75	51.82
CW4-S	5/15/2024	147.19	93.43	53.76
CW4-M	5/15/2024	146.94	93.34	53.60
EN1-M	5/20/2024	124.24	63.98	60.26
EN6-S	5/16/2024	133.80	96.05	37.75
EN6-M	5/16/2024	132.62	94.98	37.64
EN7-M	5/20/2024	54.17	24.53	29.64
EN9-M	5/15/2024	31.28	25.75	5.53
EN10-M	5/20/2024	259.10	220.95	38.15

Note: MSL: Mean Seal Level

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

The results of the first Semi-annual 2024 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. Targeted contaminants in 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 first Semi-annual 2024 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 monitoring wells in the program should continue to be analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) by EPA Method 624, 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 surface water locations should continue to be analyzed for TCL VOCs and select Leachate Indicators.

The next Semi-annual event is scheduled for November 2024.

APPENDIX A-1

MONITORING WELL SAMPLE RESULTS VOLATILE ORGANIC COMPOUNDS

Appendix A-1
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2024 Sampling Event
Monitoring Well Sample Results
Volatile Organic Compounds

Sample ID Sample Date			CW1-M 5/16/24	CW1-S 5/16/24	CW2-M 5/15/24	CW4-M 5/15/24	CW4-S 5/15/24	EN1-M 5/20/24	EN6-M 5/16/24	EN6-S 5/16/24	EN7-M 5/20/24	EN9-M 5/15/24	EN10-M 5/20/24
Units in ug/l													
VOLATILE COMPOUNDS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
1,1,1-Trichloroethane	71-55-6	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	79-00-5	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	75-34-3	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	75-35-4	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	95-50-1	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	107-06-2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	78-87-5	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	541-73-1	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	106-46-7	3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.56	0.5 U	0.5 U
2-Chloroethyl vinyl ether	110-75-8	--	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Benzene	71-43-2	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	75-27-4	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	75-25-2	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	74-83-9	5	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Carbon tetrachloride	56-23-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	108-90-7	5	0.5 U	0.96	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.51	0.5 U	0.5 U
Chloroethane	75-00-3	5	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 U
Chloroform	67-66-3	7	0.5 U	0.5 U	0.5 U	0.81 UB	0.5 U	1.1 UB	0.5 U	0.75 UB	0.5 U	0.5 U	0.5 U
Chloromethane	74-87-3	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	156-59-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.91 J	0.5 U	0.5 U
cis-1,3-Dichloropropene	10061-01-5	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	124-48-1	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	75-71-8	5	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	100-41-4	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	75-09-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	127-18-4	5	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ
Toluene	108-88-3	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	10061-02-6	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	79-01-6	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	75-69-4	5	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Vinyl chloride	75-01-4	2	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Xylene (total)	1330-20-7	5	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Total Volatile Organic Compounds			0	0.96	0	0.81	0	1.1	0	0.75	1.98	0	0

Footnotes/Qualifiers:

ug/l Micrograms per liter
-- No standard or not analyzed
UB Nondetect based on blank results.

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

APPENDIX A-2

MONITORING WELL SAMPLE RESULTS INORGANIC PARAMETERS

Appendix A-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
December 2023 Sampling Event
Monitoring Well Sample Results
Total Metals

Sample ID Sample Date			CW1-M 5/16/24	CW1-S 5/16/24	CW2-M 5/15/24	CW4-M 5/15/24	CW4-S 5/15/24	EN1-M 5/20/24	EN6-M 5/16/24	EN6-S 5/16/24	EN7-M 5/20/24	EN9-M 5/15/24	EN10-M 5/20/24
Units in ug/l													
METALS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Aluminum	7429-90-5	--	58.6 J	228 J	359	55.6 U	140	67 J	249 J	55.6 U	468 J	55.6 U	55.6 U
Arsenic	7440-38-2	25	1.11 U	38.6	1.11 U	1.11 U	1.11 U	1.11 U	1.11 U	1.11 U	1.35	1.11 U	1.11 U
Cadmium	7440-43-9	5	0.556 U	0.556 U	6.65	0.556 U	2.34	0.556 U	0.767	0.556 U	0.556 U	0.556 U	0.556 U
Calcium	7440-70-2	--	20400 J	43600 J	22200	23800	17400	26100 JH	5790 J	16200 J	79900 J	29300	651 J
Chromium	7440-47-3	200	5.56 U	5.56 U	6.02	5.56 U	7.72	103 J	10.3	14.9	5.56 U	5.98	5.56 U
Iron	7439-89-6	300	633	13700	732	278 U	999	795	5170	278 U	1600	278 U	278 U
Lead	7439-92-1	25	1.86	5.71	6.6	1.11 U	6.12	1.11 U	2.04	1.11 U	1.65	1.11 U	50.3
Magnesium	7439-95-4	35000	12500	12100	5210	8530	6270	9610 J	1720	5650	19300 J	14700	146 J
Mercury	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	0.3748	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 UJ	2.492	0.2 UJ
Potassium	7440-09-7	--	2310	27500	3820 JL	1250 JL	3150 JL	2010 JL	3360	2120	31000	2290 JL	237
Sodium	7440-23-5	20000	10800 JH	64600 JH	25800 JH	17700 JH	21700 JH	29300 J	4220 JH	38600 JH	162000 J	75400 JH	1250 J

Footnotes/Qualifiers:

ug/l Micrograms per liter
U Compound was analyzed for but not detected
UB Nondetect based on blank results
J Estimated value or limit
JL Estimated bias low
JH Estimated bias high
-- 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
December 2023 Sampling Event
Monitoring Well Sample Results
Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			CW1-M 5/16/24	CW1-S 5/16/24	CW2-M 5/15/24	CW4-M 5/15/24	CW4-S 5/15/24	EN1-M 5/20/24	EN6-M 5/16/24	EN6-S 5/16/24	EN7-M 5/20/24	EN9-M 5/15/24	EN10-M 5/20/24
Units in mg/l													
LEACHATE INDICATORS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Alkalinity, Carbonate	ALK	--	52	290	32	33	24	32	28	17	440	40	11
Ammonia, as N	7664-41-7	2	0.05 U	25.5	0.05 U	0.05 U	0.14	0.05 UJ	0.076	0.05 U	21.9 JL	0.05 U	0.05 UJ
Chloride	16887-00-6	250	22 JL	43.8 D	37.1 D	42.4 D	64.8 D	50.8 D	7.28	64.8 D	147 D	193 D	30.5 D
Hardness	HARD	--	102	161	76.9	94.5	69.3	105	21.6	63.7	279	134	2.23
Nitrate	14797-55-8	10	0.108 UB	0.126 UBJ	6.27	7.18	2.93	7.91	0.296 UBJ	6.01 JL	0.05 U	2.86	6.43
Sulfate	14808-79-8	250	54.2 D	32 JL	32.9 J	37.9 J	14.2 J	37.1	1.35 JL	25.9 JL	71.1 JLD	13.8 J	27.6 JL
Total Dissolved Solids	E-10173	500	207	399	229	225	229	273	55	236	804	467	172

Footnotes/Qualifiers:

mg/l Milligrams per liter
U Compound was analyzed for but not detected
UB Nondetect based on blank results
J Estimated detection limit or value
JL Estimated bias low
D Detected in at a secondary dilution
-- 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
May 2024 Sample Results
Per-and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane

Page 1 of 1

Sample ID Sample Date			EN1-M 5/20/2024	EN7-M 5/20/2024	EN10-M 5/20/2024
PFAS in ng/l	CAS Number	Guidance Value			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	763051-92-9	--	7.23 UJ	7.29 U	6.77 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	--	7.35 UJ	7.41 UJ	6.87 UJ
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	--	7.17 UJ	7.23 UJ	6.71 UJ
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	--	7.27 UJ	7.33 UJ	1.3 J
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	914637-49-3	--	23.9 U	24.1 U	22.4 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	812-70-4	--	23.9 U	24.1 U	22.4 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	--	4.78 U	4.82 U	4.48 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	--	7.23 U	7.29 U	6.77 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	756426-58-1	--	7.16 U	7.21 U	6.69 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	--	7.65 U	7.72 U	7.16 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	4151-50-2	--	1.91 U	1.93 U	1.79 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	--	1.91 U	2.09	1.79 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	1691-99-2	--	19.1 U	19.3 U	17.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	31506-32-8	--	1.91 U	1.93 U	1.79 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	--	1.91 U	1.93 U	1.79 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	24448-09-7	--	19.1 U	19.3 U	17.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	--	3.83 U	3.86 U	3.58 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	--	3.41 U	3.43 U	3.19 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	--	3.83 U	3.86 U	3.58 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	--	3.83 U	3.86 U	3.58 U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	--	0.578 J	7.23	1.02 J
Perfluorobutanoic Acid	375-22-4	--	7.65 U	69.9 J	7.16 U
Perfluorodecanesulfonic acid (PFDS)	335-77-3	--	1.85 U	1.86 U	1.73 U
Perfluorodecanoic acid (PFDA)	335-76-2	--	1.91 U	1.93 U	1.79 U
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	--	1.86 UJ	1.87 U	1.74 U
Perfluorododecanoic acid (PFDoA)	307-55-1	--	1.91 U	1.93 U	1.79 U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	--	1.83 U	1.36 J	1.71 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	--	1.91 U	42.2	3.42
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	--	9.66	15.9	2.34
Perfluorohexanoic acid (PFHxA)	307-24-4	--	5.83	67.6	14
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	--	1.84 U	1.85 U	1.72 U
Perfluorononanoic acid (PFNA)	375-95-1	--	1.91 U	2.69	1.79 U
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	--	1.91 U	1.93 U	1.79 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	2.7 GV	2.1	<u>29</u>	1.66 U
Perfluorooctanoic acid (PFOA)	335-67-1	6.7 GV	4.88	<u>47.8</u>	2.19
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	--	1.8 U	4.85	1.68 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	--	5.45	33.8	7.63
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	--	1.91 U	1.93 U	1.79 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	--	1.91 UJ	1.93 U	1.79 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	--	1.91 U	1.93 U	1.79 U
Total PFAS		--	28.498	324.42	31.9
1,4-Dioxane (P-Dioxane) In ug/L	123-91-1	0.35 GV	0.304	<u>18.7</u>	0.3 U

Exceeds Guidance Value

- : No standard
ng/l: Nanogram per liter
ug/l: Micrograms per liter
U: Analyzed for but not detected
J: Estimated value or limit
GV: Guidance Values as per 2023 ADDENDUM TO JUNE 1998 DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) NO. 1.1.1

APPENDIX B

HISTORICAL GROUNDWATER RESULTS

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**

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	Standard
Chloromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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)	ND(5.00)	NS/GV
Bromomethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	5.0
Vinyl Chloride	ND(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)	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)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	ND(2.00)	5.0
Methylene 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)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0
Trichloroflouromethane	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	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)	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)	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)	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)	1.1	ND(1.00)	0.58 J	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0
Tetrachloroethene	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.00)	ND(1.00)	ND(1.50)	0.29 J	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.50)	ND(1.00)	5.0
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)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0
Chlorobenzene	ND(3.50)	1.20 J	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)	ND(3.50)	ND(3.50)	ND(3.50)	5.0

Table 2 continued

Parameter	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	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

[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	ND5.0)	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)
Trichlorofluoromethane	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(10.00)	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)
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)
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ND(0.4)
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ND(0.4)
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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(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)

[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)
Trichloroflouromethane	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
May 2024 Sampling Event
Surface Water Sample Results
Volatile Organic Compounds

Sample ID Sample Date			SW-1 5/17/24	SW-2 5/17/24	SW-3 5/17/24	SW-4 5/17/24	SW-5 5/17/24	SW-6 5/17/24	SW-7 5/17/24
Units in ug/l									
VOLATILE COMPOUNDS	CAS Number	Class C Surface Water Standard							
1,1,1-Trichloroethane	71-55-6	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	79-00-5	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	75-34-3	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	75-35-4	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	95-50-1	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	107-06-2	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	78-87-5	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	541-73-1	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	106-46-7	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chloroethyl vinyl ether	110-75-8	--	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Benzene	71-43-2	210	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	75-27-4	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	75-25-2	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	74-83-9	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Carbon tetrachloride	56-23-5	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	108-90-7	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	75-00-3	--	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	67-66-3	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	74-87-3	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	156-59-2	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	10061-01-5	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	124-48-1	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	75-71-8	--	--	--	--	--	--	--	--
Ethylbenzene	100-41-4	17	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	75-09-2	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	127-18-4	--	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Toluene	108-88-3	100	0.5 U	0.68	0.5 U	1	1.3	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	10061-02-6	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	79-01-6	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	75-69-4	--	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Vinyl chloride	75-01-4	--	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Xylene (total)	1330-20-7	65	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Total Volatile Organic Compounds		--	0	0.68	0	1	1.3	0	0

Footnotes/Qualifiers:

ug/l Micrograms per liter

U Compound was analyzed for but not detected

UJ An estimated limit

-- No standard

APPENDIX C-2

SURFACE WATER SAMPLE RESULTS LEACHATE INDICATORS

Appendix C-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2024 Sampling Event
Surface Water Sample Results
Metals and Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			SW-1 5/17/24	SW-2 5/17/24	SW-3 5/17/24	SW-4 5/17/24	SW-5 5/17/24	SW-6 5/17/24	SW-7 5/17/24
Units in mg/l									
LEACHATE INDICATORS	CAS Number	Class C Surface Water Standard							
Alkalinity, Carbonate	ALK	--	40	93	93	44	51	60	88
Ammonia, as N	7664-41-7	2.2	0.0962	0.138	0.111	0.0918	0.148	0.578	0.05 U
Chloride	16887-00-6	--	66 D	225 D	566 D	86.9 D	61.5 D	96.4 D	14.1
Hardness	HARD	--	83.9	158	274	88	84.1	60.4	3940
Nitrate	14797-55-8	--	2.76	1.45	0.837	2.77	2.02	0.796	0.353
Sulfate	14808-79-8	--	20.8	47.4 D	100 U	22.3	1 U	13.2	1 U
Total Dissolved Solids	E-10173	--	239	539	1340	277	230	263	21500

Footnotes/Qualifiers:

mg/l Milligrams per liter

U Compound was analyzed for but not detected

-- No standard or not analyzed

D Analyzed at a dilution

APPENDIX D

HISTORICAL SURFACE WATER RESULTS

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 5/16/2024

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

Depth of well (feet from top of casing) 104.60'
Initial static water level (feet from top of casing) 57.66'
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: 46.34 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	6.30	17.59	0.295	20.1	12.31	-71	
20	6.88	17.52	0.304	45.7	1.03	-135	
40	6.89	17.46	0.306	26.9	0.87	-134	
60	6.89	17.51	0.306	18.5	0.71	-131	
80	6.89	17.53	0.306	16.7	0.64	-130	
100	6.89	17.52	0.306	15.6	0.56	-130	
120	6.89	17.53	0.305	16.2	0.50	-131	
140	6.89	17.53	0.305	19.9	0.46	-131	
160	6.88	17.53	0.306	26.6	0.44	-131	
180	6.89	17.54	0.304	33.3	0.41	-131	
200	6.87	17.54	0.304	24.0	0.40	-129	

Purging Rate: 4 GPM Purging Time: 50 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 9:35 AM

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/Rain, 55 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 5/16/2024

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

Depth of well (feet from top of casing) 71.54'
Initial static water level (feet from top of casing) 57.63'
Approximate Pump Inlet (feet from top of casing)..... _____

Purging Method		Well Volume Calculation:	
Airlift	_____	Centrifugal	_____
Bailer	_____	Pos. Displ.	_____
Submersible	_____	Disposable	_____
Pump	<u>X</u>	Bladder Pump	_____
	_____	(Low Flow)	_____

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
4 in. casing: _____ ft. of water x 0.65 = _____ gallons
6 in. casing: 19.77 ft. of water x 1.47 = 29 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	6.76	17.18	0.847	83.1	1.16	-149	
20	6.87	17.98	0.842	30.7	0.39	-168	
40	6.90	18.00	0.843	16.6	0.30	-175	
60	6.92	18.01	0.841	12.3	0.29	-177	
80	6.93	18.1	0.843	7.7	0.27	-178	
100	6.93	18.01	0.843	11.2	0.26	-178	

Purging Rate: 4 GPM Purging Time: 25 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 10:35 AM

Method:	Analyses (Pace Analytical Laboratory)
_____ Submersible Pump	<u>X</u> VOCs
_____ In-Line Filter (Diss. Metals)	
_____ Pos. Disp. Pump	<u>X</u> Metals
<u>X</u> Disposable bailer	Leachate
	<u>X</u> Parameters
_____ Dedicated pump	

Observations

Weather/Temperature: Cloudy/Rain, 55 F
Sample description: Yellowish color, 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 5/15/2024

WELL ID: CW2-M Time On-site: _____ Time Off-site: _____
SAMPLERS: JS + CA _____

Depth of well (feet from top of casing) 116.51'
Initial static water level (feet from top of casing) 78.75'
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: 37.75 ft. of water x 0.65 = 25 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	5.56	14.19	0.309	28.0	11.94	164	
20	5.66	14.35	0.369	15.7	1.27	154	
40	5.69	14.38	0.379	9.3	0.70	138	
60	5.71	14.38	0.375	6.2	0.51	152	
80	5.76	14.40	0.368	4.4	0.58	152	
100	5.76	14.40	0.368	4.0	0.51	152	

Purging Rate: 4 GPM Purging Time: 25 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 1:35 PM

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

Observations

Weather/Temperature: Cloudy/Rain, 60 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 5/15/2024

WELL ID: CW4-M Time On-site: _____ Time Off-site: _____
SAMPLERS: JS + CA _____

Depth of well (feet from top of casing) 148.00'
Initial static water level (feet from top of casing) 93.34'
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: 54.68 ft. of water x 0.65 = 37 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	5.72	15.18	0.314	5.5	7.82	227	
12.5	6.09	14.72	0.309	7.5	6.91	204	
25	6.12	14.55	0.304	8.0	7.05	199	
37.5	6.13	14.43	0.308	5.4	7.03	198	
50	6.14	14.36	0.308	4.1	6.89	197	
62.5	6.14	14.33	0.308	3.5	6.83	196	
75	6.15	14.30	0.307	3.6	6.76	194	
87.5	6.16	14.30	0.307	3.1	6.69	191	
100	6.18	14.30	0.306	2.4	6.65	188	
112.5	6.18	14.29	0.306	2.4	6.62	187	

Purging Rate: 2.5 GPM Purging Time: 45 min Sampling Rate: NA
Well headspace PID =0.0 ppm

Sampling

Time of Sample Collection: 9:35 AM

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

Observations

Weather/Temperature: Cloudy/Rain, 60 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 5/15/2024

WELL ID: CW4-S Time On-site: _____ Time Off-site: _____
SAMPLERS: JS + CA _____

Depth of well (feet from top of casing) 117.00'
Initial static water level (feet from top of casing) 93.43'
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: 23.49 ft. of water x 0.65 = 15 gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____
50 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	5.84	15.02	0.202	444	12.33	94	
5	5.82	16.28	0.243	132	6.03	46	
10	6.01	16.39	0.254	133	2.45	33	
15	6.03	16.57	0.276	158	1.70	27	
20	6.03	16.80	0.303	111	1.21	37	
25	5.87	16.77	0.304	88.5	0.98	49	
30	5.96	16.81	0.305	66.9	0.79	48	
35	5.93	16.80	0.309	61.0	0.77	49	
40	5.94	16.84	0.307	50.7	0.72	51	
45	6.00	16.86	0.309	37.3	0.69	54	
50	6.00	16.88	0.310	35.2	0.70	57	

Purging Rate: 1 GPM Purging Time: 50 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 10:45 AM

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/Rain, 60 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 5/20/2024

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

SAMPLERS: JS

Depth of well (feet from top of casing) 175.90'

Initial static water level (feet from top of casing)..... 63.98'

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: 111.92 ft. of water x 0.65 = 73 gallons

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

volume of water removed:
22.75 liters.

>3 volumes: yes _____

no X

purged dry? yes _____

no X

Field Tests

Volume of Purge Water (L)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)	Salinity (%)
Initial	5.40	18.58	0.446	118	4.74	58	0.22
1.75	5.65	16.93	0.410	105	4.68	35	0.20
3.5	5.53	16.15	0.409	93.4	4.61	43	0.20
5.25	5.46	15.26	0.414	79.1	4.69	55	0.20
7	5.42	15.59	0.412	71.0	4.77	65	0.20
8.75	5.42	15.42	0.410	66.3	4.78	71	0.20
10.5	5.44	15.22	0.410	68.2	4.68	75	0.20
12.25	5.45	15.18	0.411	67.4	4.74	77	0.20
14	5.47	15.08	0.409	58.3	4.83	77	0.20
15.75	5.54	15.03	0.411	59.0	4.94	77	0.20
17.5	5.56	14.97	0.411	57.2	4.84	78	0.20
19.25	5.56	14.94	0.412	55.9	5.29	81	0.20
21	5.58	14.85	0.412	53.8	5.19	82	0.20
22.75	5.59	14.73	0.412	48.3	5.26	83	0.20

Purging Rate:

350 ml/m

Purging Time:

65 min

Sampling Rate: 350 ml/m

Well head space PID = 0.0 ppm

Sampling

Time of Sample Collection: 1:00 PM

Method:

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

Analyses (Pace Analytical Laboratory)

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

X Low flow bladder pump

Observations

Weather/Temperature: Sunny, 70F

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 at well EN1-M

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 5/16/2023

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

Depth of well (feet from top of casing) 174.00'
Initial static water level (feet from top of casing) 94.98'
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: 79.02 ft. of water x 0.65 = 51 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	5.93	13.09	0.117	0	4.35	64	
20	5.97	13.08	0.386	0	1.43	106	
40	6.09	13.04	0.516	9.0	1.80	121	
60	6.12	13.01	0.525	2.5	1.90	123	
80	6.13	12.99	0.532	0	2.07	130	
100	6.13	13.00	0.537	0	2.12	135	
120	6.14	13.00	0.539	0	2.12	139	
140	6.14	12.99	0.539	0	2.10	141	
160	6.15	12.99	0.538	0	2.14	138	

Purging Rate: 4 GPM Purging Time: 40 min Sampling Rate: NA
well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 1:30 PM

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

Observations

Weather/Temperature: Cloudy/Rain, 55 F
Sample description: Yellowish Color, slight odor
Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes X no _____ describe slight

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 5/16/2024

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

Depth of well (feet from top of casing) 113.70'
Initial static water level (feet from top of casing) 96.05'
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: 17.65 ft. of water x 0.65 = 11 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	5.87	13.33	0.397	19.8	8.95	131	
10	5.46	13.32	0.395	14.0	7.61	187	
20	5.43	13.33	0.395	9.4	7.35	203	
30	5.42	13.28	0.395	4.3	7.36	211	
40	5.43	13.26	0.395	2.3	7.37	220	
50	5.44	13.27	0.395	0	6.88	223	
60	5.45	13.26	0.395	0	6.86	228	

Purging Rate: 2 GPM Purging Time: 30 min Sampling Rate: NA
Well head space PID = 0.0 ppm

Sampling

Time of Sample Collection: 12:00 PM

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

Observations

Weather/Temperature: Cloudy/Rain, 55 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 5/20/2024

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

SAMPLERS: JS + CA

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

Initial static water level (feet from top of casing) 24.53'

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: 199.21 ft. of water x 0.65 = 129 gallons

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

volume of water removed:
38.5 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	6.42	16.26	0.095	113	2.43	84	0.04
1.75	6.01	15.97	0.180	648	0.96	22	0.08
3.5	5.87	15.45	0.171	412	0.60	16	0.08
5.25	5.79	15.49	0.187	463	0.51	9	0.09
7	5.77	15.50	0.220	530	0.45	16	0.11
8.75	5.19	15.69	0.285	506	0.43	16	0.14
10.5	5.70	15.69	0.285	506	0.43	-12	0.14
12.25	5.58	15.58	0.493	621	0.36	-10	0.24
14	5.45	15.14	0.551	565	0.31	-4	0.27
15.75	5.36	15.72	0.692	574	0.33	-8	0.34
17.5	5.36	15.02	0.763	442	0.30	-9	0.38
19.25	5.36	14.99	0.782	415	0.30	-11	0.38
21	5.36	14.88	0.948	352	0.28	-11	0.49
22.75	5.36	14.81	1.03	277	0.34	-11	0.51
24.5	5.35	14.60	1.06	206	0.30	-8	0.52
26.25	5.29	14.31	1.08	185	0.29	-9	0.53
28	5.29	14.25	1.08	179	0.28	-10	0.53
29.75	5.31	14.22	1.09	125	0.27	-138	0.57
31.5	7.55	14.14	1.33	94.1	0.27	-122	0.67
33.25	7.28	14.07	1.35	91.1	0.27	-115	0.67
35	7.17	14.06	1.35	67.4	0.27	-111	0.67
36.75	7.12	14.10	1.35	48.1	0.27	-111	0.67
38.5	7.10	14.10	1.35	46.3	0.26	-108	0.67

SITE East Northport Landfill DATE 5/20/2024

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE East Northport Landfill DATE 5/15/2024

WELL ID: EN9-M Time On-site: _____ Time Off-site: _____
SAMPLERS: JS + CA _____

Depth of well (feet from top of casing) 133.54'
Initial static water level (feet from top of casing) 25.75'
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: 107.79 ft. of water x 0.65 = 70 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	6.23	12.79	0.748	1.0	7.55	107	
25	6.34	12.29	0.737	2.8	5.81	120	
50	6.34	12.03	0.721	10.6	5.23	128	
75	6.32	11.99	0.722	3.3	5.10	137	
100	6.33	11.97	0.724	3.0	5.05	142	
125	6.34	11.97	0.715	4.5	5.20	145	
150	6.36	11.95	0.717	4.7	5.27	146	
175	6.37	11.94	0.721	4.1	5.33	147	
200	6.38	11.93	0.724	2.9	5.37	149	
225	6.39	11.92	0.726	3.1	5.36	150	

Purging Rate: 5 GPM Purging Time: 45 min Sampling Rate: NA
Well headspace PID = 0.0 ppm

Sampling

Time of Sample Collection: 12:30 PM

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

Observations

Weather/Temperature: Cloudy/Rain, 60 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 5/20/2024

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

SAMPLERS: JS + CA
 Depth of well (feet from top of casing) 416.00'
 Initial static water level (feet from top of casing) 220.95'
 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: 195.05 ft. of water x 0.65 = 127 gallons
 6 in. casing: _____ ft. of water x 1.47 = _____ gallons

volume of water removed: _____ gal.
390 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	3.67	12.63	0.025	352	6.61	245	0.0
	30	3.30	14.46	0.020	28.4	4.95	220	0.0
	60	3.14	14.57	0.022	84.3	5.07	227	0.0
	90	3.11	14.92	0.023	61.0	4.85	236	0.0
	120	3.05	15.35	0.024	24.4	4.88	253	0.0
	150	3.08	15.30	0.033	29.5	4.69	265	0.0
	180	3.08	15.37	0.075	68.4	6.25	285	0.0
	210	3.53	15.07	0.181	62.2	7.73	300	0.1
	240	3.91	15.18	0.198	35.8	7.13	293	0.1
	270	3.97	15.35	0.213	27.0	7.17	301	0.1
	300	4.04	15.50	0.229	23.2	7.04	306	0.1
	330	4.09	15.12	0.238	21.3	6.93	312	0.1
	360	4.12	14.96	0.242	19.8	6.86	318	0.1
	390	4.15	15.12	0.245	19.6	6.86	318	0.1

Purging Rate: 1 GPM Purging Time: 6 hours, 30 min Sampling Rate: NA
 Well headspace PID = 0.0 ppm

Sampling
 Time of Sample Collection: 4:20 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, 70 F
 Sample description: Clear, no odor
 Free Product? yes _____ no X describe _____
 Sheen? yes _____ no X describe _____
 Odor? yes _____ no X describe _____

Note: Horiba pH did not calibrate.

EAST NORTHPORT LANDFILL SAMPLING FIELD OBSERVATION LOG SURFACE WATER SAMPLING RECORD

SITE East Northport Landfill DATE 5/17/2024

WELL ID: SW-1 Time On-site: _____ Time Off-site: _____
SAMPLERS: J S + CA _____

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	6.34	13.30	0.398	13.9	5.56	78	0.19

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

Sampling

Time of Sample Collection: 8:45 AM

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

Observations

Weather/Temperature: Cloudy, 60 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 5/17/2024

WELL ID: SW-2 Time On-site: _____ Time Off-site: _____
SAMPLERS: J S + C A _____

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	6.68	13.35	1.04	13.1	6.71	29	0.52

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

Sampling

Time of Sample Collection: 9:15 AM

Method:

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

Analyses (Pace Analytical Laboratory)

X VOCs
_____ Leachate
X Parameters

Observations

Weather/Temperature: Cloudy, 60 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 5/17/2024

WELL ID: SW-3 Time On-site: _____ Time Off-site: _____
SAMPLERS: JS + CA _____

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	6.80	14.02	2.45	33.9	5.72	65	1.24

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

Sampling

Time of Sample Collection: 9:30 AM

Method:

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

Analyses (Pace Analytical Laboratory)

X VOCs
_____ Leachate
X Parameters

Observations

Weather/Temperature: Cloudy, 60 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 5/17/2024

WELL ID: SW-4 Time On-site: _____ Time Off-site: _____
SAMPLERS: JS + CA _____

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	6.39	12.98	0.369	2.9	5.38	72	0.27

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

Sampling

Time of Sample Collection: 8 :30 AM

Method:

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

Analyses (Pace Analytical Laboratory)

X VOCs
_____ Leachate
X Parameters

Observations

Weather/Temperature: Cloudy, 60 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 5/17/2024

WELL ID: SW-5 Time On-site: _____ Time Off-site: _____
SAMPLERS: JS + CA _____

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	6.41	14.48	0.436	22.2	5.25	37	0.18

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

Sampling

Time of Sample Collection: 9 : 4 5 A M

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

Observations

Weather/Temperature: Cloudy, 60 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 5/17/2024

WELL ID: SW-6 Time On-site: _____ Time Off-site: _____
SAMPLERS: JS + CA _____

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

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	6.62	15.51	0.458	61.0	5.60	75	0.22

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

Sampling

Time of Sample Collection: 10:30 AM

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

Observations

Weather/Temperature: Cloudy, 60 F
Sample description: Yellowish color, 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 5 /17/2024

WELL ID: SW-7 Time On-site: _____ Time Off-site: _____
SAMPLERS: JS + CA _____

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	6.42	14.03	35.8	20.1	6.42	226	22.35

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

Sampling

Time of Sample Collection: 8:00 AM

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

Observations

Weather/Temperature: Cloudy, 60 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



YORK Project Number
24E1150

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-308-YORK Page 7 of 7

[illegible]

Comments:		Lab Sample Receiving Checklist (to be completed by the receiving laboratory only)				Circle Y / N	
Provide Category "B" & T903 Send data to labdata@db-Eng.com	Samples Relinquished by / Company Chris Blum-Anders	Date/Time 5/15/04 2:50	1. Samples Received by / Company K. Sandberg	Date/Time 5/16/04 10:00 AM	Custody Seals: Y / N Containers Intact: Y / N COC Complete: Y / N Cooler Temperature Confirmed: Y / N	Containers Intact: Y / N COC Labels Agree: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N	Preservation Confirmed: Y / N
	Samples Relinquished by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	2. Samples Relinquished by / Company K. Sandberg	Date/Time 5/16/04	17:00
	Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by K. Sandberg	Date/Time 5/16/04	17:00
	Samples Relinquished by / Company	Date/Time	5. Samples Received by / Company	Date/Time	Samples Received in LAB by K. Sandberg	Date/Time 5/16/04	17:00



YORK Project Number

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

Report To:		Invoice To:		YOUR Project Name / Number		Samples Collected From		Turn-Around Time	
Company: DAB Engineers		Company:		East Northport / 5629		NY NJ		RUSH - Next Day	
Address: 330 Crossways Park Dr		Address:						RUSH - Two Day	
Phone: 516-364-9890		Phone:						RUSH - Three Day	
Contact: Tam Fox		Contact:						RUSH - Four Day	
E-mail: tfax@dab-eng.com		E-mail:						RUSH - Five Day	
								Standard (6-9 Day)	
								PFAS Standard 7-10 Day	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Matrix Codes		Preservative		Analyses Requested		Report Type (circle)	
Jeremy Samson <i>Jeremy Samson</i>		S - soil/solid/sludge		(please list number of containers)		Select Leachate Indicators (Al, Fe, Pb, Mg, K, Na) Select Inorganics (Hg, Cd) Alkalinity, B, Cu, Arsenic, Nitrate, Chloride, Sulfate, TDS, Hardness		QA Report Summary (Results Only) NY ASP B Package NJ Reduced NJ DKQP NJ Full CT RCP	
		GW - groundwater		Unpreserved					
		DW - drinking water		HCl (hydrochloric acid)					
		SW - surface water		MeOH (methanol)					
		WW - wastewater		HNO ₃ (nitric acid)					
O - Oil		H ₂ SO ₄ (sulfuric acid)		NaOH (sodium hydroxide)		Na ₂ S ₂ O ₃ (sodium thio.)		G/C	
		Trizma		Ammonium Acetate		Grab or Comp.			
		Other:							
Samples Collected by: (print AND sign your name)		Date		Time		Matrix		EDD Type (circle)	
Sample Identification		5/16/24		9:35		GW		EQUS (standard)	
Chv1-M				10:35				NY/SEEC EQUS	
Chv1-S				1200				NJDEP SRP Haz Site	
EN6-S				1330				Standard Excel	
EN6-M								CMDP	
Trip Blmk-5/16/24								Other:	
								Regulatory Comparative	
								Compared to the following Regulation(s): (please fill in)	
								Field Filtered	
								Lab Filtered	

Comments:

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC labels Agree: Y / N Preservation Confirmed: Y / N

COC Complete:	Y	N	COC Labels Agree:	Y	N	Preservation Confirmed:	Y	N
COC Seals:	Y	N	Contaminant's Intact:	Y	N			
COC Received:	Y	N	Appropriate Sample Volumes:	Y	N	Appropriate Sample Containers:	Y	N

Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

Date/Time	2. Samples Relinquished by / Company	Date/Time
7/10/16	10/16	

5/17/24 1049m 2/16/25 1105m

[illegible]

Date/Time	Samples Received in LAB by	Date/Time	Temp

409 5/17/24 10:58

APPENDIX G

DATA VALIDATION FORMS

DATA VALIDATION CHECKLIST

Project Name:	East Northport Landfill		
Project Number:	5629 17A		
Sample Date(s):	May 15, 2024		
Sample Team:	Keith Robins		
Matrix/Number of Samples:	<u>Water/ 4</u> <u>Field Duplicates/ 0</u> <u>Trip Blanks / 1</u> <u>Field Blanks/ 0</u>		
Analyzing Laboratory:	York Analytical Laboratories, Richmond Hills, NY		
Analyses:	<u>Volatile Organic Compounds (VOCs):</u> by 624.1 <u>Metals:</u> Total by SW846 Method 6010D or 6020B and Mercury by 245.1 <u>General Chemistry:</u> Hardness (SM 2340B), Alkalinity (SM2320B), Chloride, Nitrate, and Sulfate, (USEPA 300.0), Total Dissolved Solids (SM 2540C), Bicarbonate (SM 2310B), and Ammonia (SM 22 4500)		
Laboratory Report No:	24E1150	Date:	6/20/2024

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
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:

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, USEPA National Functional Guidelines of Inorganic Data Review, November 2020, 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.

Custody Numbers: 24E1150
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis				
				VOC	SVOC	PCB	MET	MISC
CW4-M	24E1150-001	5/15/2024		X			X	X
CW4-S	24E1150-002	5/15/2024		X			X	X
EN9-M	24E1150-003	5/15/2024		X			X	X
CW2-M	24E1150-004	5/15/2024		X			X	X
TRIP BLANK	24E1150-005	5/15/2024		X				

The field blank was analyzed in data package 24E1286.

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	X		
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory control sample (LCS) & LCS Duplicate (LCSD) %R %RPD		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

VOCs - volatile organic compounds
%R - percent recovery

%D - percent difference
%RSD - percent relative standard deviation

RRF - relative response factor
RPD - relative percent difference

Comments:

The performance was acceptable, except the following:

- 2C. Bromodichloromethane and chloroform were detected in the field blank in data package 24E1374. Chloroform was qualified as non-detect (UB) in sample CW4-M.
- 6. The %R was below the QC limit in the LCS and LCSD for 2-chloroethylvinyl ether and above the QC limits for bromomethane, carbon tetrachloride, chloroethane, tetrachloroethylene, and trichlorofluoromethane associated with all samples. Only, 2-chloroethylvinyl ether was qualified as an estimated detection limit (UJ) in all samples.
- 11. The %Ds were above the QC limit for bromomethane, chloroethane, trichlorofluoromethane, and vinyl chloride in the continuing calibration and were qualified as an estimated detection limit (UJ) in all samples.

INORGANIC ANALYSES METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Preparation 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
9. Post digestive spike sample %R					X
10. Duplicate RPD					X
11. Serial dilution check %D					X
12. Field duplicate					X

%R - percent recovery

%D - percent difference

RPD - relative percent difference

Comments:

The performance was acceptable, except the following:

- 2B. Calcium and sodium were detected in were detected in the field blank in data package 24E1374. No qualification of the data was necessary.
- 7. The laboratory control sample %R was below the QC limit for potassium and above the QC limit for sodium. Potassium was qualified as estimated bias low (JL) in all samples and sodium was qualified as estimated bias high (JH).

**INORGANIC ANALYSES
GENERAL CHEMISTRY**

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Field blanks					X
3. Standards %R		X		X	
4. Laboratory spike %R		X		X	
5. CRDL standard %R					X
6. Laboratory duplicate RPD		X		X	
7. Matrix spike and matrix spike duplicate %R		X	X		
8. Field duplicate					X

%R - percent recovery

RPD - relative percent difference

%D - percent difference

RSD - relative standard deviation

Comments:

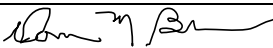
The performance was acceptable, except the following:

- 2B. Chloride and nitrate were detected in the field blank in data package 24E1374. No qualification of the data was necessary.
- 7. The %R was below the QC limit in the matrix spike for sulfate and it was qualified as estimated (J) in all samples.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 24E1150

<u>Sample ID</u>	<u>Analyte(s)</u>	<u>Qualifier</u>	<u>Reason(s)</u>
<u>VOC</u>			
CW4-M	Chloroform	UB	Detected in the field blank in data package 24E1374
All samples	2-Chloroethylvinyl ether	UJ	The %R was below the QC limits in the LCS and LCSD
All samples	Acetone	UJ	The RRF was below the QC limit in the initial calibration
All samples	Bromomethane, chloroethane, trichlorofluoromethane, and vinyl chloride	UJ	The %Ds were above the QC limit in the continuing calibration
<u>Metals</u>			
All samples	Sodium	JH	The %R was above the QC limit in the laboratory control sample.
	Potassium	JL	The %R was below the QC limit in the laboratory control sample.
<u>General Chemistry</u>			
All samples	Sulfate	J	The %R was below the QC limit in the matrix spike

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 7/8/2024
VALIDATION PERFORMED BY SIGNATURE:	

kiDATA VALIDATION CHECKLIST

Project Name:	East Northport Landfill		
Project Number:	5629 17A		
Sample Date(s):	May 16, 2024		
Sample Team:	Jeremy Samson		
Matrix/Number of Samples:	<u>Water/ 4</u> <u>Field Duplicates/ 0</u> <u>Trip Blanks / 1</u> <u>Field Blanks/ 0</u>		
Analyzing Laboratory:	York Analytical Laboratories, Richmond Hills, NY		
Analyses:	<u>Volatile Organic Compounds (VOCs):</u> by 624.1 <u>Metals:</u> Total by SW846 Method 6010D or 6020B and Mercury by 245.1 <u>General Chemistry:</u> Hardness (SM 2340B), Alkalinity (SM2320B), Chloride, Nitrate, and Sulfate, (USEPA 300.0), Total Dissolved Solids (SM 2540C), Bicarbonate (SM 2310B), and Ammonia (SM 22 4500)		
Laboratory Report No:	24E1267	Date:	6/24/2024

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
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:

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, USEPA National Functional Guidelines of Inorganic Data Review, November 2020, 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.

Custody Numbers: 24E1267
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis				
				VOC	SVOC	PCB	MET	MISC
CW1-M	24E1267-001	5/16/2023		X			X	X
CW1-S	24E1267-002	5/16/2023		X			X	X
EN6-S	24E1267-003	5/16/2023		X			X	X
EN6-M	24E1267-004	5/16/2023		X			X	X
TRIP BLANK	24E1267-005	5/16/2023		X				

The field blank was analyzed in data package 24E1286.

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	X		
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory control sample (LCS) & LCS Duplicate (LCSD) %R & %RPD		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

VOCs - volatile organic compounds
%R - percent recovery

%D - percent difference
%RSD - percent relative standard deviation

RRF - relative response factor
RPD - relative percent difference

Comments:

The performance was acceptable, except the following:

- 2C. Bromodichloromethane and chloroform were detected in the field blank in data package 24E1374. Chloroform was qualified as non-detect (UB) in sample EN6-S.
- 6. The %Rs were below the QC limits in the LCS and LCSD for 2-chloroethylvinyl ether and tetrachloroethylene associated with all samples. 2-Chloroethylvinyl ether and tetrachloroethylene were qualified as an estimated detection limit (UJ) in all samples.
- 11. The %D was above the QC limit in the continuing calibration for chloroethane was qualified as an estimated detection limit (UJ) in all samples.

INORGANIC ANALYSES METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Preparation 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 duplicate					X

%R - percent recovery

%D - percent difference

RPD - relative percent difference

Comments:

The performance was acceptable, except the following:

- 2B. Calcium and sodium were detected in were detected in the field blank in data package 24E1374. No qualification of the data was necessary.
- 7. The %R was above the QC limit for sodium in the LCS. Sodium was qualified as estimated bias high (JH) in all samples.
- 11. The %Ds were above the QC limits in serial dilution check for aluminum and calcium. They were qualified as estimated (J) in samples CW1-M, CW1-S, and EN6-M; and for calcium in sample EN6-S.

**INORGANIC ANALYSES
GENERAL CHEMISTRY**

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Field blanks		X	X		
3. Standards %R		X		X	
4. Laboratory spike %R		X		X	
5. CRDL standard %R					X
6. Laboratory duplicate RPD		X		X	
7. Matrix spike and matrix spike duplicate %R		X	X		X
8. Field duplicate					X

%R - percent recovery

RPD - relative percent difference

%D - percent difference

RSD - relative standard deviation

Comments:

The performance was acceptable, except the following:

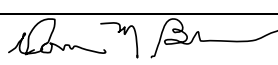
- 2B. Chloride and nitrate were detected in the field blank in data package 24E1374. Samples CW1-M, CW1-S, and EN6-M were qualified as non-detect (UB) in nitrate.
7. The %R was below the QC limit for chloride in the matrix spike for sample CW1-M. Chloride was qualified as estimated bias low (JL) in sample CW1-M.

The %Rs were below the QC limits for nitrate and sulfate in the matrix spike associated with samples CW1-S, EN6-S, and EN6-M. Sulfate was qualified as estimated bias low (JL) in samples CW1-S, EN6-S, and EN6-M and nitrate in sample EN6-S. Nitrate was qualified as an estimated limit (UJ) in samples CW1-S and EN6-M.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 24E1267

<u>Sample ID</u>	<u>Analyte(s)</u>	<u>Qualifier</u>	<u>Reason(s)</u>
<u>VOC</u>			
EN6-S	Chloroform	UB	Detected in the field blank in data package 24E1374
All samples	2-Chloroethylvinyl ether and tetrachloroethylene	UJ	The %Rs were below the QC limits in the LCS and LCSD
All samples	Chloroethane	UJ	The %D was above the QC limit in the continuing calibration
<u>Metals</u>			
All samples	Sodium	JH	The %R was above the QC limit in the LCS
CW1-M, CW1-S, and EN6-M	Aluminum and calcium	J	The %Ds were above the QC limits in serial dilution check
EN6-S	Calcium		
<u>General Chemistry</u>			
CW1-M, CW1-S, and EN6-M	Nitrate	UB	Detected in the field blank in data package 24E1374
CW1-M	Chloride	JL	The %R was below the QC limit in the matrix spike
CW1-S, EN6-S, and EN6-M	Sulfate	JL	The %Rs were below the QC limits in the matrix spike
EN6-S	Nitrate		
CW1-S and EN6-M	Nitrate	UJ	

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 7/29/2024
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECKLIST

Project Name:	East Northport Landfill		
Project Number:	5629 17A		
Sample Date(s):	May 17, 2024		
Sample Team:	Jeramy Samson		
Matrix/Number of Samples:	<u>Water/ 7</u> <u>Field Duplicates/ 0</u> <u>Trip Blanks / 1</u> <u>Field Blanks/ 0</u>		
Analyzing Laboratory:	York Analytical Laboratories, Richmond Hills, NY		
Analyses:	<u>Volatile Organic Compounds (VOCs):</u> by 624.1 <u>General Chemistry:</u> Hardness (SM 2340B), Alkalinity (SM2320B), Chloride, Nitrate, and Sulfate, (USEPA 300.0), Total Dissolved Solids (SM 2540C), Bicarbonate (SM 2310B), and Ammonia (SM 22 4500)		
Laboratory Report No:	24E1286	Date:	6/25/2024

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
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:

A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Inorganic Data Review, November 2020, 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.

Custody Numbers: 24E1286
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis				
				VOC	SVOC	PCB	MET	MISC
SW-1	24E1286-001	5/17/2024		X				X
SW-2	24E1286-002	5/17/2024		X				X
SW-3	24E1286-003	5/17/2024		X				X
SW-4	24E1286-004	5/17/2024		X				X
SW-5	24E1286-005	5/17/2024		X				X
SW-6	24E1286-006	5/17/2024		X				X
SW-7	24E1286-007	5/17/2024		X				X
TRIP BLANK	24E1286-008	5/17/2024		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
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory control sample (LCS) & LCS Duplicate (LCSD) %R %RPD		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

VOCs - volatile organic compounds
%R - percent recovery

%D - percent difference
%RSD - percent relative standard deviation

RRF - relative response factor
RPD - relative percent difference

Comments:

The performance was acceptable, except the following:

6. The %Rs were below the QC limits in the LCS and LCSD for 2-chloroethylvinyl ether and tetrachloroethylene and above QC limits for chloroethane and trichlorofluoromethane associated with all samples. 2-Chloroethylvinyl ether and tetrachloroethylene were qualified as an estimated detection limit (UJ) in all samples.
11. The %Ds were above the QC limits in the continuing calibration for chloroethane, tetrachloroethylene, trichlorofluoromethane, and vinyl chloride and were qualified as an estimated detection limit (UJ) in samples SW-1, SW-2, SW-3, SW-4, SW-5, and Trip Blank.

The %Ds were above the QC limits in the continuing calibration for bromomethane, chloroethane, trichlorofluoromethane, and vinyl chloride and were qualified as an estimated detection limit (UJ) in samples SW-6 and SW-7.

INORGANIC ANALYSES GENERAL CHEMISTRY

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Field blanks					X
3. Standards %R		X		X	
4. Laboratory spike %R		X		X	
5. CRDL standard %R					X
6. Laboratory duplicate RPD		X		X	
7. Matrix spike and matrix spike duplicate %R		X		X	
8. Field duplicate					X

%R percent recovery

RPD - relative percent difference

%D – percent difference

RSD - relative standard deviation

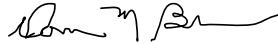
Comments:

The performance was acceptable.

**DATA VALIDATION AND
QUALIFICATION SUMMARY**

Laboratory Numbers: 24E1286

<u>Sample ID</u>	<u>Analyte(s)</u>	<u>Qualifier</u>	<u>Reason(s)</u>
<u>VOC</u>			
All samples	2-Chloroethylvinyl ether and tetrachloroethylene	UJ/J	The %Rs were below the QC limits in the LCS and LCSD
SW-1, SW-2, SW-3, SW-4, SW-5, and Trip Blank	Chloroethane, tetrachloroethylene, trichlorofluoromethane, and vinyl chloride	UJ	The %Ds were above the QC limits in the continuing calibration
SW-6 and SW-7	Bromomethane, chloroethane, trichlorofluoromethane, and vinyl chloride	UJ	The %Ds were above the QC limits in the continuing calibration
<u>General Chemistry</u>			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 7/30/2024
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECKLIST

Project Name:	East Northport Landfill		
Project Number:	5629 17A		
Sample Date(s):	May 20, 2024		
Sample Team:	Jeremy Samson		
Matrix/Number of Samples:	<u>Water/ 3</u> <u>Field Duplicates/ 1</u> <u>Trip Blanks / 1</u> <u>Field Blanks/ 1</u>		
Analyzing Laboratory:	York Analytical Laboratories, Richmond Hills, NY		
Analyses:	<u>Volatile Organic Compounds (VOCs):</u> by Method 624.1 <u>1,4-Dioxane:</u> by Method 8270E SIM <u>PFAS:</u> by Method 1633 <u>Metals:</u> by Method 6010D or Method 6020B, and Mercury by Method 245.1 <u>General Chemistry:</u> Hardness (SM 2340B), Alkalinity (SM2320B), Chloride, Nitrate, and Sulfate (USEPA 300.0), Total Dissolved Solids (SM 2540C), Bicarbonate (SM 2310B), and Ammonia (SM 4500)		
Laboratory Report No:	24E1374	Date:	7/16/2024

ANALYTICAL DATA PACKAGE DOCUMENTATION

GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
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:

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, USEPA, National Functional Guidelines of Inorganic Data Review, November 2020, Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs January 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.

Custody Numbers: 24E1374
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis				
				VOC	1,4-Dioxane	PFAS	MET	MISC
EN1-M	24E1374-001	5/20/2024		X	X	X	X	X
EN10-M	24E1374-002	5/20/2024		X	X	X	X	X
EN7-M	24E1374-003	5/20/2024		X	X	X	X	X
TRIP BLANK-5/20/24	24E1374-004	5/20/2024		X				
FIELD BLANK-1	24E1374-005	5/20/2024		X	X	X	X	X
BLIND DUPLICATE-1	24E1374-006	5/20/2024	EN7-M	X	X	X	X	X

ORGANIC ANALYSES

VOCS & 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		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) & LCS Duplicate (LCSD) %R %RPD		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	

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, except the following:

2C. Bromodichloromethane and chloroform were detected in the field blank. Chloroform was qualified as non-detect (UB) in sample EN1-M.

3&4. The %R was above the QC limits for carbon tetrachloride, cis-1,2-dichloroethylene, o-xylene, p- & m-xylenes, toluene, and trichlorofluoromethane in the MS and/or MSD and below for 2-chloroethylvinyl ether associated with all samples. Cis-1,2-dichloroethylene was detected in the sample EN7-M and was qualified as estimated (J). 2-Chloroethylvinyl ether was qualified as an estimated detection limit (UJ) in all samples

6. The %R was below the QC limit in the LCS and LCSD for 2-chloroethylvinyl ether and tetrachloroethene associated with all samples and it was qualified as an estimated detection limit (UJ) in all samples.

The %R was above the QC limit in the LCS and LCSD for trichlorofluoromethane associated with all samples and carbon tetrachloride associated samples EN10-M and EN7-M. They were not detected therefore qualification of the data was not necessary.

10. The %Ds were above the QC limits in the continuing calibration for bromomethane and trichlorofluoromethane associated with samples EN1-M, TRIP BLANK-5/20/24, FIELD BLANK-1, and BLIND DUPLICATE-1 and tetrachloroethylene with all samples. They were qualified as an estimated detection limit (UJ) in associated samples.

ORGANIC ANALYSES

PFAS

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. 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. Internal standard retention times and areas		X		X	
9. Initial calibration RRF's and %RSD's		X	X		
10. Continuing calibration RRF's and %D's		X	X		
11. Transcriptions – quant report vs. Form I		X		X	
12. Field duplicates RPD		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:

It appears that sample EN7-M was mislabeled as sample Field Blank-1 for the PFAS analysis. This was based on both the historical trends and field duplicate result, therefore the PFAS analysis for sample EN7-M and Field Blank-1 were switched in this sampling event.

- 4&5. Perfluorododecanesulfonic acid (PFDoS) %R was below the QC limit and perfluorotridecanoic acid (PFTrDA) %R was above the QC limit in the MSD associated with sample EN1-M. The RPDs were above the QC limits for perfluorotridecanoic acid (PFTrDA), 11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS), and perfluorododecanesulfonic acid (PFDoS) in the MS/MSD associated with sample EN1-M. They were qualified as an estimated limit (UJ) in sample EN1-M.
7. The following surrogates %Rs were outside the QC limits: perfluoro-n-[13C4]butanoic acid (MPFBA), d-N-MeFOSA, and d-N-EtFOSA associated with sample EN1-M; perfluoro-n-[13C4]butanoic acid (MPFBA), d-N-MeFOSA, d-N-EtFOSA, and d9-N-EtFOSE associated with sample EN10-M; perfluoro-n-[13C4]butanoic acid (MPFBA), d-N-EtFOSA, and d9-N-EtFOSE associated with sample Field Blank; perfluoro-n-[13C4]butanoic acid (MPFBA), d-N-MeFOSA, d-N-EtFOSA, d9-N-EtFOSE, M2-4:2 FTS, and M2-6:2 FTS associated with samples in EN7-M and Blind Duplicate-1. Perfluoro-n-butanoic acid (PFBA) was qualified as estimated (J) in samples EN7-M and Bind Duplicate-1.
9. The RSDs were above the for 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTS), 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2 FTS), and 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTS) in the initial calibration. They were qualified as estimated (J/UJ) in all samples.

10. The %Ds were outside the QC limit in the continuing calibration for perfluoro-3,6-dioxaheptanoic acid (NFDHA), perfluorotridecanoic acid (PFTrDA), and perfluorododecanesulfonic acid (PFDoS) associated with all samples. These were not detected in the samples therefore qualification of the data was not necessary.

INORGANIC ANALYSES METALS

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Preparation 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 duplicate		X	X		

%R - percent recovery

%D - percent difference

RPD - relative percent difference

Comments:

Performance was acceptable, except the following:

It appears that sample EN7-M was mislabeled as sample EN10-M for the 6010D analysis. This was based on both the historical trends and field duplicate result, therefore the 6010D analysis for sample EN7-M and EN10-M were switched in this sampling event. Since hardness was calculated by method 6010D, the hardness results were also corrected by switching EN7-M and EN10-M.

- 2B. Calcium and sodium were detected in the FIELD BLANK. No qualification of the data was necessary.
7. The %Rs were above the QC limits in the laboratory control or spike samples for calcium and below for potassium associated with sample EN1-M; and below for mercury associated with all samples. Calcium was qualified as estimated bias high (JH) in sample EN1-M. Potassium was qualified as estimated bias low (JL) in sample EN1-M. Mercury was qualified as an estimated limit (UJ) in all samples.
11. The %Ds were above the QC limits in the serial dilution for aluminum, calcium, chromium, magnesium, and sodium associated with all samples. The following were qualified as estimated (J): aluminum in samples EN1-M and EN7-M; calcium, magnesium, and sodium in samples EN1-M, EN7-M, and EN10-M; and chromium in sample EN1-M.
12. Sample EN7-M was field duplicated and labeled BLIND DUPLICATE. Based on field duplicate results aluminum was qualified as estimated (J) in sample EN7-M and BLIND DUPLICATE.

**INORGANIC ANALYSES
GENERAL CHEMISTRY**

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Field blanks		X	X		
3. Standards %R		X		X	
4. Laboratory spike %R		X		X	
5. CRDL standard %R					X
6. Laboratory duplicate RPD		X		X	
7. Matrix spike and matrix spike duplicate %R		X	X		
8. Field duplicate		X	X		

%R percent recovery

RPD - relative percent difference

%D – percent difference

RSD - relative standard deviation

Comments:

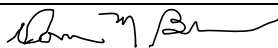
Performance was acceptable, except the following:

- 2B. Chloride and nitrate were detected in the field blank. No qualification of the data was necessary.
- 7. The %R was below in the spike for sulfate associated with samples EN10-M, EN7-M, Field Blank-1, and Blind Duplicate-1 and ammonia associated with all samples. The following were qualified as estimated bias low (JL) or an estimated limit (UJ) for ammonia in all samples and sulfate in samples EN10-M, EN7-M, Field Blank-1, and Blind Duplicate-1.
- 8. Sample EN7-M was field duplicated and labeled Blind Duplicate-1. Based on field duplicate results ammonia was qualified as estimated (J) in both samples EN7-M and Blind Duplicate-1.

**DATA VALIDATION AND
QUALIFICATION SUMMARY**
Laboratory Numbers: 24E1374

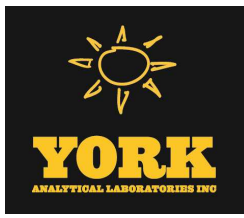
<u>Sample ID</u>	<u>Analyte(s)</u>	<u>Qualifier</u>	<u>Reason(s)</u>
<u>VOCS & 1,4-Dioxane</u>			
EN1-M	Chloroform	UB	Detected in the field blank
EN7-M	Cis-1,2-dichloroethylene	J	%R was above the QC limits in the MS and/or MSD
All samples	2-Chloroethylvinyl ether and tetrachloroethene	UJ	%R was below the QC limit in the MS, MSD, LCS, and/or and LCSD
EN1-M, TRIP BLANK-5/20/24, FIELD BLANK-1, and BLIND DUPLICATE-1	Bromomethane and trichlorofluoromethane	UJ	The %Ds were above the QC limits in the continuing calibration
All samples	Tetrachloroethylene		
<u>PFAs</u>			
It appears that sample EN7-M was mislabeled as sample Field Blank-1 for the PFAS analysis. This was based on both the historical trends and field duplicate result, therefore the PFAS analysis for sample EN7-M and Field Blank-1 were switched in this sampling event.			
EN1-M	Perfluorotridecanoic acid (PFTrDA), 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS), and perfluorodecane sulfonic acid (PFDoS)	UJ	%Rs were outside the QC limit in the MSD and/or RPDs were above the QC limits
EN7-M and Blind Duplicate-1	Perfluoro-n-butanoic acid (PFBA)	J	The surrogate %R was outside the QC limit
All samples	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTS), 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2 FTS), and 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTS)	J/UJ	The RSDs were above in the initial calibration

<u>Sample ID</u>	<u>Analyte(s)</u>	<u>Qualifier</u>	<u>Reason(s)</u>
Metals			
It appears that sample EN7-M was mislabeled as sample EN10-M for the 6010D analysis. This was based on both the historical trends and field duplicate result, therefore the 6010D analysis for sample EN7-M and EN10-M were switched in this sampling event. Since hardness was calculated by method 6010D, the hardness results were also corrected by switching EN7-M and EN10-M.			
EN1-M	Calcium	JH	The %R was outside the QC limit in the laboratory control or spike
	Potassium	JL	
All samples	Mercury	UJ	
EN1-M and EN7-M	Aluminum	J	The %Ds were above the QC limits in the serial dilution
EN1-M, EN7-M, and EN10-M	Calcium, magnesium, and sodium		
EN1-M	Chromium		
EN7-M and BLIND DUPLICATE	Aluminum	J	Field duplicated results
General Chemistry			
All samples	Ammonia	JL/UJ	The %R was below in the spike
EN10-M, EN7-M, Field Blank-1, and Blind Duplicate-1	Sulfate		
EN7-M and BLIND DUPLICATE	Ammonia	J	Field duplicated results

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 8/8/2024
VALIDATION PERFORMED BY SIGNATURE:	

APPENDIX H

LABORATORY DATA PACKAGE



Technical Report

prepared for:

D&B Engineers and Architects, P.C.

330 Crossways Park Drive

Woodbury NY, 11797

Attention: Tom Fox

Report Date: 05/24/2024

Client Project ID: 5629 / East Northport Groundwater

York Project (SDG) No.: 24E1150

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/24/2024
Client Project ID: 5629 / East Northport Groundwater
York Project (SDG) No.: 24E1150

D&B Engineers and Architects, P.C.
330 Crossways Park Drive
Woodbury NY, 11797
Attention: Tom Fox

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 16, 2024 and listed below. The project was identified as your project: **5629 / East Northport Groundwater**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24E1150-01	CW4-M	Ground Water	05/15/2024	05/16/2024
24E1150-02	CW4-S	Ground Water	05/15/2024	05/16/2024
24E1150-03	EN9-M	Ground Water	05/15/2024	05/16/2024
24E1150-04	CW2-M	Ground Water	05/15/2024	05/16/2024
24E1150-05	Trip Blank_5 15 24	Ground Water	05/15/2024	05/16/2024

General Notes for York Project (SDG) No.: 24E1150

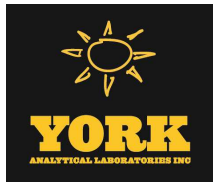
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: 

Cassie L. Mosher
Laboratory Manager

Date: 05/24/2024





Sample Information

Client Sample ID: CW4-M

York Sample ID: 24E1150-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 9:35 am

05/16/2024

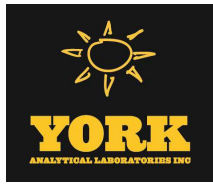
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
67-66-3	Chloroform	0.81		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB



Sample Information

Client Sample ID: CW4-M

York Sample ID: 24E1150-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 9:35 am

05/16/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
127-18-4	Tetrachloroethylene	ND	QL-02, ICVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:04	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 08:00	05/23/2024 15:04	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	112 %	78-126							
2037-26-5	Surrogate: SURRE: Toluene-d8	100 %	84-117							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	118 %	71-130							

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/22/2024 08:46	05/22/2024 15:40	AGNR

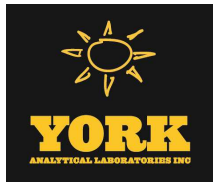
Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: CW4-M

York Sample ID: 24E1150-01

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 9:35 am

Date Received

05/16/2024

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	23.8		mg/L	0.0556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	94.5		mg/L	1.11	1	SM 2340B-2011	05/22/2024 08:46	05/22/2024 15:40	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	8.53		mg/L	0.0556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	1.25	M-BS	mg/L	0.0556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	17.7	M-BS	mg/L	0.556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:40	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

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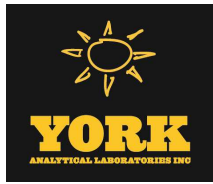
132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

Page 6 of 44



Sample Information

Client Sample ID: CW4-M

York Sample ID: 24E1150-01

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 9:35 am

Date Received

05/16/2024

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/22/2024 08:51	05/22/2024 13:32	cw

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/22/2024 08:51	05/22/2024 13:32	cw

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/22/2024 08:51	05/22/2024 13:32	cw

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0003748		mg/L	0.0002000	1	EPA 245.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/21/2024 08:29	05/21/2024 08:29	PFA/A

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	42.4		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/24/2024 08:41	05/24/2024 08:41	NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	7.18		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/16/2024 23:53	05/16/2024 23:53	NJO

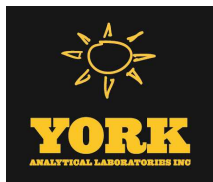
Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	37.9		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/16/2024 23:53	05/16/2024 23:53	NJO



Sample Information

Client Sample ID: CW4-M

York Sample ID: 24E1150-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 9:35 am

05/16/2024

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	33		mg/L	2.0	1	SM 2320B	05/24/2024 06:25	05/24/2024 08:54	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	ND		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
							Certifications:			

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	33.0		mg/L	2.00	1	SM 2310B	05/24/2024 06:27	05/24/2024 08:54	VR
							Certifications:			

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	225		mg/L	1.00	1	SM 2540C-2015	05/17/2024 07:46	05/20/2024 15:31	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: CW4-S

York Sample ID: 24E1150-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 10:45 am

05/16/2024

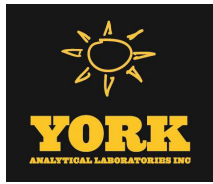
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 15:32	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 15:32	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 15:32	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		



Sample Information

Client Sample ID: CW4-S

York Sample ID: 24E1150-02

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 10:45 am

Date Received

05/16/2024

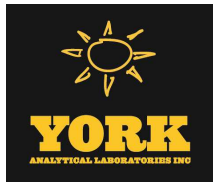
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB



Sample Information

Client Sample ID: CW4-S

York Sample ID: 24E1150-02

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 10:45 am

Date Received

05/16/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 15:32	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 08:00	05/23/2024 15:32	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	113 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %	71-130							

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.140		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/22/2024 08:46	05/22/2024 15:44	AGNR

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	17.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/22/2024 08:46	05/22/2024 15:44	AGNR

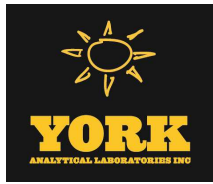
Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: CW4-S

York Sample ID: 24E1150-02

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 10:45 am

Date Received

05/16/2024

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	0.00772		mg/L	0.00556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	69.3		mg/L	1.11	1	SM 2340B-2011	05/22/2024 08:46	05/22/2024 15:44	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.999		mg/L	0.278	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	6.27		mg/L	0.0556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	3.15	M-BS	mg/L	0.0556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	21.7	M-BS	mg/L	0.556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:44	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

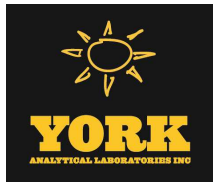
Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	05/22/2024 08:51	05/22/2024 13:36	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		



Sample Information

Client Sample ID: CW4-S

York Sample ID: 24E1150-02

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 10:45 am

Date Received

05/16/2024

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	2.34	M-CCV 1	ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/22/2024 08:51	05/22/2024 13:36	cw

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	6.12		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/22/2024 08:51	05/22/2024 13:36	cw

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/21/2024 08:29	05/21/2024 08:29	PFA/A

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	64.8		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/24/2024 08:52	05/24/2024 08:52	NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	2.93		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/17/2024 01:06	05/17/2024 01:06	NJO

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	14.2		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/17/2024 01:06	05/17/2024 01:06	NJO

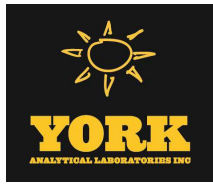
Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: CW4-S

York Sample ID: 24E1150-02

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 10:45 am

Date Received

05/16/2024

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	24		mg/L	2.0	1	SM 2320B	05/24/2024 06:25	05/24/2024 08:54	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	0.140		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	24.0		mg/L	2.00	1	SM 2310B	05/24/2024 06:27	05/24/2024 08:54	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	229		mg/L	1.00	1	SM 2540C-2015	05/17/2024 07:46	05/20/2024 15:31	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sample Information

Client Sample ID: EN9-M

York Sample ID: 24E1150-03

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 12:30 pm

Date Received

05/16/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 16:00	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 16:00	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 16:00	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										



Sample Information

Client Sample ID: EN9-M

York Sample ID: 24E1150-03

York Project (SDG) No.
24E1150

Client Project ID
5629 / East Northport Groundwater

Matrix
Ground Water

Collection Date/Time
May 15, 2024 12:30 pm

Date Received
05/16/2024

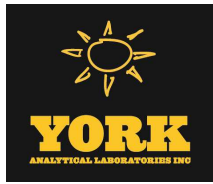
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB



Sample Information

Client Sample ID: EN9-M

York Sample ID: 24E1150-03

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 12:30 pm

Date Received

05/16/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:00	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 08:00	05/23/2024 16:00	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %	71-130							

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/22/2024 08:46	05/22/2024 15:47	AGNR

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	29.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/22/2024 08:46	05/22/2024 15:47	AGNR

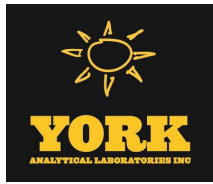
Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: EN9-M

York Sample ID: 24E1150-03

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 12:30 pm

Date Received

05/16/2024

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	0.00598		mg/L	0.00556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	134		mg/L	1.11	1	SM 2340B-2011	05/22/2024 08:46	05/22/2024 15:47	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	14.7		mg/L	0.0556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	2.29	M-BS	mg/L	0.0556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	75.4	M-BS	mg/L	0.556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:47	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	05/22/2024 08:51	05/22/2024 13:39	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Cadmium by EPA 6020

Log-in Notes:

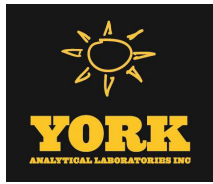
Sample Notes:

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(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: EN9-M

York Sample ID: 24E1150-03

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 12:30 pm

Date Received

05/16/2024

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/22/2024 08:51	05/22/2024 13:39	cw

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/22/2024 08:51	05/22/2024 13:39	cw

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.002492		mg/L	0.0002000	1	EPA 245.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/21/2024 08:29	05/21/2024 08:29	PFA/A

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	193		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/24/2024 09:24	05/24/2024 09:24	NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	2.86		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/17/2024 01:17	05/17/2024 01:17	NJO

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	13.8		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/17/2024 01:17	05/17/2024 01:17	NJO

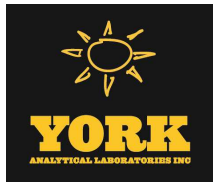
Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	40		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/24/2024 06:25	05/24/2024 08:54	VR



Sample Information

Client Sample ID: EN9-M

York Sample ID: 24E1150-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 12:30 pm

05/16/2024

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	ND		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/20/2024 10:00	05/20/2024 11:15	TCD

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	40.0		mg/L	2.00	1	SM 2310B Certifications:	05/24/2024 06:27	05/24/2024 08:54	VR

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	467		mg/L	1.00	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/17/2024 07:46	05/20/2024 15:31	PMB

Sample Information

Client Sample ID: CW2-M

York Sample ID: 24E1150-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 1:35 pm

05/16/2024

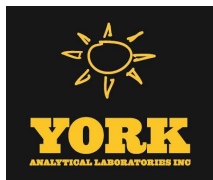
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB



Sample Information

Client Sample ID: CW2-M

York Sample ID: 24E1150-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 1:35 pm

05/16/2024

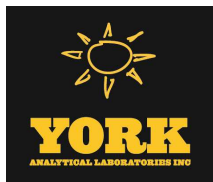
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB



Sample Information

Client Sample ID: CW2-M

York Sample ID: 24E1150-04

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 1:35 pm

Date Received

05/16/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 16:28	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 08:00	05/23/2024 16:28	SCB
Surrogate Recoveries		Result			Acceptance Range					
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	110 %								
2037-26-5	Surrogate: SURRE: Toluene-d8	99.6 %								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	114 %								

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.359		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/22/2024 08:46	05/22/2024 15:50	AGNR

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	22.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/22/2024 08:46	05/22/2024 15:50	AGNR

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	0.00602		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/22/2024 08:46	05/22/2024 15:50	AGNR

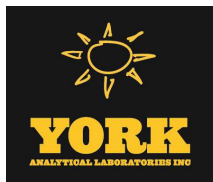
Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: CW2-M

York Sample ID: 24E1150-04

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 1:35 pm

Date Received

05/16/2024

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	76.9		mg/L	1.11	1	SM 2340B-2011	05/22/2024 08:46	05/22/2024 15:50	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.732		mg/L	0.278	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	5.21		mg/L	0.0556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	3.82	M-BS	mg/L	0.0556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	25.8	M-BS	mg/L	0.556	1	EPA 6010D	05/22/2024 08:46	05/22/2024 15:50	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	05/22/2024 08:51	05/22/2024 13:43	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

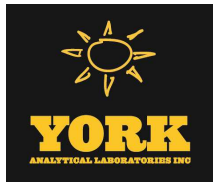
Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	6.65	M-CCV 1	ug/L	0.556	1	EPA 6020B	05/22/2024 08:51	05/22/2024 13:43	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: CW2-M

York Sample ID: 24E1150-04

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 1:35 pm

Date Received

05/16/2024

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	6.60		ug/L	1.11	1	EPA 6020B	05/22/2024 08:51	05/22/2024 13:43	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1	05/21/2024 08:29	05/21/2024 08:29	PFA/A
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	37.1		mg/L	0.690	5.00	10	EPA 300.0	05/24/2024 09:34	05/24/2024 09:34	NJO
Certifications:								CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04			

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	6.27		mg/L	0.0500	1	EPA 300.0	05/17/2024 01:27	05/17/2024 01:27	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	32.9		mg/L	1.00	1	EPA 300.0	05/17/2024 01:27	05/17/2024 01:27	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	32		mg/L	2.0	1	SM 2320B	05/24/2024 06:25	05/24/2024 08:54	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

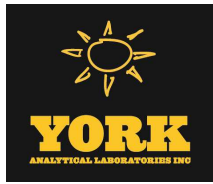
Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	ND		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
							Certifications:			



Sample Information

Client Sample ID: CW2-M

York Sample ID: 24E1150-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 1:35 pm

05/16/2024

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Bicarbonate		32.0		mg/L	2.00	1	SM 2310B	05/24/2024 06:27	05/24/2024 08:54	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids		229		mg/L	1.00	1	SM 2540C-2015	05/17/2024 07:46	05/20/2024 15:31	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sample Information

Client Sample ID: Trip Blank_5 15 24

York Sample ID: 24E1150-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 1:35 pm

05/16/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 08:00	05/23/2024 13:09	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										



Sample Information

Client Sample ID: Trip Blank_5 15 24

York Sample ID: 24E1150-05

York Project (SDG) No.

24E1150

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 15, 2024 1:35 pm

Date Received

05/16/2024

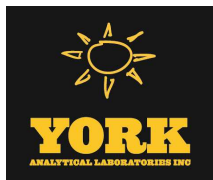
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB



Sample Information

Client Sample ID: Trip Blank_5 15 24

York Sample ID: 24E1150-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1150

5629 / East Northport Groundwater

Ground Water

May 15, 2024 1:35 pm

05/16/2024

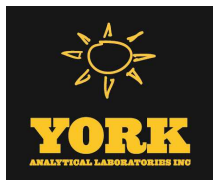
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 08:00	05/23/2024 13:09	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 08:00	05/23/2024 13:09	SCB
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %								78-126
2037-26-5	Surrogate: SURR: Toluene-d8	101 %								84-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %								71-130



Analytical Batch Summary

Batch ID: BE41174 **Preparation Method:** % Solids Prep **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/17/24
24E1150-02	CW4-S	05/17/24
24E1150-03	EN9-M	05/17/24
24E1150-04	CW2-M	05/17/24
BE41174-BLK1	Blank	05/17/24
BE41174-DUP1	Duplicate	05/17/24
BE41174-DUP2	Duplicate	05/17/24
BE41174-SRM1	Reference	05/17/24

Batch ID: BE41223 **Preparation Method:** EPA 300 **Prepared By:** NJO

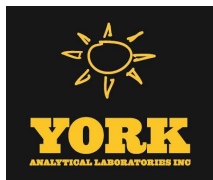
YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/16/24
24E1150-02	CW4-S	05/17/24
24E1150-03	EN9-M	05/17/24
24E1150-04	CW2-M	05/17/24
BE41223-BLK1	Blank	05/16/24
BE41223-BS1	LCS	05/16/24
BE41223-DUP2	Duplicate	05/17/24
BE41223-MS2	Matrix Spike	05/17/24
BE41223-MSD2	Matrix Spike Dup	05/17/24

Batch ID: BE41280 **Preparation Method:** Analysis Preparation **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/20/24
24E1150-02	CW4-S	05/20/24
24E1150-03	EN9-M	05/20/24
24E1150-04	CW2-M	05/20/24
BE41280-BLK1	Blank	05/20/24
BE41280-BS1	LCS	05/20/24
BE41280-DUP1	Duplicate	05/20/24
BE41280-MS1	Matrix Spike	05/20/24
BE41280-MSD1	Matrix Spike Dup	05/20/24

Batch ID: BE41319 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/23/24
24E1150-02	CW4-S	05/23/24
24E1150-03	EN9-M	05/23/24
24E1150-04	CW2-M	05/23/24
24E1150-05	Trip Blank_5 15 24	05/23/24
BE41319-BLK1	Blank	05/23/24



BE41319-BS1 LCS 05/23/24
BE41319-BSD1 LCS Dup 05/23/24

Batch ID: BE41386 **Preparation Method:** EPA 245.1 Mercury **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/21/24
24E1150-02	CW4-S	05/21/24
24E1150-03	EN9-M	05/21/24
24E1150-04	CW2-M	05/21/24
BE41386-BLK1	Blank	05/21/24
BE41386-BLK2	Blank	05/21/24
BE41386-BS1	LCS	05/21/24
BE41386-BS2	LCS	05/21/24

Batch ID: BE41483 **Preparation Method:** EPA 3015A **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/22/24
24E1150-02	CW4-S	05/22/24
24E1150-03	EN9-M	05/22/24
24E1150-04	CW2-M	05/22/24
BE41483-BLK1	Blank	05/22/24
BE41483-BS1	LCS	05/22/24
BE41483-DUP1	Duplicate	05/22/24
BE41483-MS1	Matrix Spike	05/22/24
BE41483-PS1	Post Spike	05/22/24

Batch ID: BE41484 **Preparation Method:** EPA 3015A **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/22/24
24E1150-02	CW4-S	05/22/24
24E1150-03	EN9-M	05/22/24
24E1150-04	CW2-M	05/22/24
BE41484-BLK1	Blank	05/22/24
BE41484-BS1	LCS	05/22/24
BE41484-DUP1	Duplicate	05/22/24
BE41484-MS1	Matrix Spike	05/22/24

Batch ID: BE41653 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/24/24
24E1150-02	CW4-S	05/24/24
24E1150-03	EN9-M	05/24/24
24E1150-04	CW2-M	05/24/24
BE41653-DUP1	Duplicate	05/24/24
BE41653-SRM1	Reference	05/24/24



Batch ID: BE41654

Preparation Method: Analysis Preparation

Prepared By: VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/24/24
24E1150-02	CW4-S	05/24/24
24E1150-03	EN9-M	05/24/24
24E1150-04	CW2-M	05/24/24
BE41654-BLK1	Blank	05/24/24
BE41654-DUP1	Duplicate	05/24/24

Batch ID: BE41725

Preparation Method: EPA 300

Prepared By: NJO

YORK Sample ID	Client Sample ID	Preparation Date
24E1150-01	CW4-M	05/24/24
24E1150-02	CW4-S	05/24/24
24E1150-03	EN9-M	05/24/24
24E1150-04	CW2-M	05/24/24
BE41725-BLK1	Blank	05/23/24
BE41725-BS1	LCS	05/23/24
BE41725-DUP1	Duplicate	05/23/24
BE41725-DUP2	Duplicate	05/23/24
BE41725-MS1	Matrix Spike	05/23/24
BE41725-MS2	Matrix Spike	05/24/24
BE41725-MSD1	Matrix Spike Dup	05/23/24
BE41725-MSD2	Matrix Spike Dup	05/24/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41319 - EPA 5030B

Blank (BE41319-BLK1)

Prepared & Analyzed: 05/23/2024

1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2-Chloroethylvinyl ether	ND	20	"								
Benzene	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methylene chloride	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
1,2,3-Trimethylbenzene	ND	0.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	11.3		"	10.0		113	78-126				
Surrogate: SURR: Toluene-d8	9.90		"	10.0		99.0	84-117				
Surrogate: SURR: p-Bromofluorobenzene	11.5		"	10.0		115	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

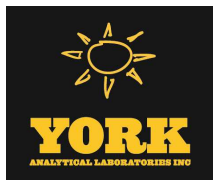
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41319 - EPA 5030B

LCS (BE41319-BS1)

Prepared & Analyzed: 05/23/2024

1,1,1-Trichloroethane	12.5		ug/L	10.0		125	75-125				
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	60-140				
1,1,2-Trichloroethane	10.6		"	10.0		106	71-129				
1,1-Dichloroethane	10.6		"	10.0		106	72-128				
1,1-Dichloroethylene	11.7		"	10.0		117	50-150				
1,2-Dichlorobenzene	10.8		"	10.0		108	63-137				
1,2-Dichloroethane	11.6		"	10.0		116	68-132				
1,2-Dichloropropane	9.89		"	10.0		98.9	34-166				
1,3-Dichlorobenzene	10.8		"	10.0		108	73-127				
1,4-Dichlorobenzene	10.5		"	10.0		105	63-137				
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias			
Benzene	11.7		"	10.0		117	64-136				
Bromodichloromethane	10.7		"	10.0		107	65-135				
Bromoform	10.6		"	10.0		106	71-129				
Bromomethane	21.1		"	10.0		211	14-186	High Bias			
Carbon tetrachloride	12.9		"	10.0		129	73-127	High Bias			
Chlorobenzene	11.0		"	10.0		110	66-134				
Chloroethane	18.7		"	10.0		187	38-162	High Bias			
Chloroform	11.2		"	10.0		112	67-133				
Chloromethane	11.4		"	10.0		114	0.5-204				
cis-1,2-Dichloroethylene	10.9		"	10.0		109	70-130				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	24-176				
Dibromochloromethane	10.7		"	10.0		107	67-133				
Ethyl Benzene	12.2		"	10.0		122	59-141				
Methylene chloride	9.28		"	10.0		92.8	60-140				
o-Xylene	12.4		"	10.0		124	70-130				
p- & m- Xylenes	24.9		"	20.0		124	70-130				
Tetrachloroethylene	5.48		"	10.0		54.8	73-127	Low Bias			
Toluene	11.3		"	10.0		113	74-126				
trans-1,2-Dichloroethylene	11.2		"	10.0		112	69-131				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	50-150				
Trichloroethylene	10.1		"	10.0		101	66-134				
Trichlorofluoromethane	23.1		"	10.0		231	48-152	High Bias			
Vinyl Chloride	18.8		"	10.0		188	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	78-126				
Surrogate: SURR: Toluene-d8	9.89		"	10.0		98.9	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.38		"	10.0		93.8	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

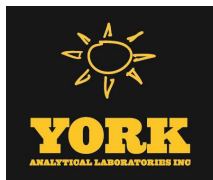
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41319 - EPA 5030B

LCS Dup (BE41319-BSD1)

Prepared & Analyzed: 05/23/2024

1,1,1-Trichloroethane	12.2		ug/L	10.0		122	75-125		2.27	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	60-140		2.57	30	
1,1,2-Trichloroethane	10.5		"	10.0		105	71-129		0.946	30	
1,1-Dichloroethane	10.2		"	10.0		102	72-128		4.03	30	
1,1-Dichloroethylene	11.3		"	10.0		113	50-150		4.17	30	
1,2-Dichlorobenzene	10.9		"	10.0		109	63-137		1.11	30	
1,2-Dichloroethane	11.7		"	10.0		117	68-132		0.257	30	
1,2-Dichloropropane	9.57		"	10.0		95.7	34-166		3.29	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	73-127		0.186	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	63-137		0.665	30	
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias		30	
Benzene	11.4		"	10.0		114	64-136		2.86	30	
Bromodichloromethane	10.5		"	10.0		105	65-135		1.32	30	
Bromoform	10.6		"	10.0		106	71-129		0.566	30	
Bromomethane	21.1		"	10.0		211	14-186	High Bias	0.0473	30	
Carbon tetrachloride	12.5		"	10.0		125	73-127		3.07	30	
Chlorobenzene	10.9		"	10.0		109	66-134		1.46	30	
Chloroethane	19.5		"	10.0		195	38-162	High Bias	4.30	30	
Chloroform	11.0		"	10.0		110	67-133		1.62	30	
Chloromethane	10.8		"	10.0		108	0.5-204		4.97	30	
cis-1,2-Dichloroethylene	10.7		"	10.0		107	70-130		1.85	30	
cis-1,3-Dichloropropylene	9.88		"	10.0		98.8	24-176		1.81	30	
Dibromochloromethane	10.8		"	10.0		108	67-133		1.21	30	
Ethyl Benzene	11.7		"	10.0		117	59-141		3.76	30	
Methylene chloride	9.26		"	10.0		92.6	60-140		0.216	30	
o-Xylene	11.8		"	10.0		118	70-130		4.54	30	
p- & m- Xylenes	23.9		"	20.0		119	70-130		4.19	30	
Tetrachloroethylene	5.27		"	10.0		52.7	73-127	Low Bias	3.91	30	
Toluene	10.8		"	10.0		108	74-126		3.97	30	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	69-131		4.01	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	50-150		0.768	30	
Trichloroethylene	9.74		"	10.0		97.4	66-134		3.63	30	
Trichlorofluoromethane	22.5		"	10.0		225	48-152	High Bias	2.76	30	
Vinyl Chloride	18.0		"	10.0		180	4-196		4.40	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	78-126				
Surrogate: SURR: Toluene-d8	9.74		"	10.0		97.4	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.46		"	10.0		94.6	71-130				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41483 - EPA 3015A

Blank (BE41483-BLK1)

Prepared: 05/22/2024 Analyzed: 05/23/2024

Aluminum	ND	0.0556	mg/L
Hardness, Total	ND	1.11	"
Calcium	ND	0.0556	"
Chromium	ND	0.00556	"
Iron	ND	0.278	"
Magnesium	ND	0.0556	"
Potassium	ND	0.0556	"
Sodium	ND	0.556	"

LCS (BE41483-BS1)

Prepared & Analyzed: 05/22/2024

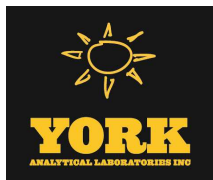
Aluminum	1.85		ug/mL	2.00	92.7	80-120
Calcium	1.07		"	1.00	107	80-120
Chromium	0.213		"	0.200	106	80-120
Iron	0.998		"	1.00	99.8	80-120
Magnesium	0.953		"	1.00	95.3	80-120
Potassium	0.771		"	1.00	77.1	80-120 Low Bias
Sodium	1.24		"	1.00	124	80-120 High Bias

Duplicate (BE41483-DUP1)

*Source sample: 24E1164-01 (Duplicate)

Prepared & Analyzed: 05/22/2024

Aluminum	12.0	0.0556	mg/L	7.51	45.8	20	Non-dir.
Hardness, Total	ND	1.11	"	ND		20	
Calcium	869	0.0556	"	800	8.29	20	
Chromium	0.477	0.00556	"	0.452	5.36	20	
Iron	14.8	0.278	"	5.86	86.3	20	Non-dir.
Magnesium	250	0.0556	"	245	1.96	20	
Potassium	50.6	0.0556	"	70.3	32.7	20	Non-dir.
Sodium	1970	0.556	"	2180	10.1	20	

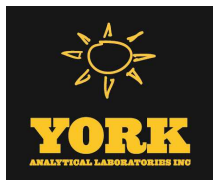


Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

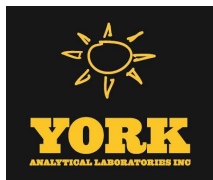
Batch BE41483 - EPA 3015A

Matrix Spike (BE41483-MS1)		*Source sample: 24E1164-01 (Matrix Spike)						Prepared & Analyzed: 05/22/2024			
Aluminum	19.9	0.0556	mg/L	2.22	7.51	556	75-125	High Bias			
Chromium	0.681	0.00556	"	0.222	0.452	103	75-125				
Iron	28.9	0.278	"	1.11	5.86	NR	75-125	High Bias			
Post Spike (BE41483-PS1)		*Source sample: 24E1164-01 (Post Spike)						Prepared & Analyzed: 05/22/2024			
Aluminum	8.28		ug/mL	2.00	6.76	76.0	75-125				
Calcium	751		"	1.00	720	NR	75-125	High Bias			
Chromium	0.595		"	0.200	0.407	94.2	75-125				
Iron	6.34		"	1.00	5.27	107	75-125				
Magnesium	219		"	1.00	221	NR	75-125	Low Bias			
Potassium	53.8		"	1.00	63.3	NR	75-125	Low Bias			
Sodium	1840		"	1.00	1960	NR	75-125	Low Bias			



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41484 - EPA 3015A											
Blank (BE41484-BLK1)											
										Prepared & Analyzed: 05/22/2024	
Arsenic	ND	1.11	ug/L								
Cadmium	ND	0.556	"								
Lead	ND	1.11	"								
LCS (BE41484-BS1)											
										Prepared & Analyzed: 05/22/2024	
Arsenic	49.8		ug/L	50.0		99.5	80-120				
Cadmium	51.6		"	50.0		103	80-120				
Lead	48.7		"	50.0		97.3	80-120				
Duplicate (BE41484-DUP1)											
*Source sample: 24E1189-01 (Duplicate)										Prepared & Analyzed: 05/22/2024	
Arsenic	1.16	1.11	ug/L		ND						20
Cadmium	ND	0.556	"		ND						20
Lead	ND	1.11	"		ND						20
Matrix Spike (BE41484-MS1)											
*Source sample: 24E1189-01 (Matrix Spike)										Prepared & Analyzed: 05/22/2024	
Arsenic	32.8		ug/L	50.0	0.772	64.0	75-125	Low Bias			
Cadmium	39.2		"	50.0	0.163	78.0	75-125				
Lead	41.7		"	50.0	0.107	83.3	75-125				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BE41386 - EPA 245.1 Mercury											
Blank (BE41386-BLK1)								Prepared & Analyzed: 05/21/2024			
Mercury	ND	0.0002000	mg/L								
Blank (BE41386-BLK2)								Prepared & Analyzed: 05/21/2024			
Mercury	ND	0.0002000	mg/L								
LCS (BE41386-BS1)								Prepared & Analyzed: 05/21/2024			
Mercury	0.001886	0.0002000	mg/L	0.00200		94.3	75-125				
LCS (BE41386-BS2)								Prepared & Analyzed: 05/21/2024			
Mercury	0.001863	0.0002000	mg/L	0.00200		93.1	75-125				



Anions by Ion Chromatography - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41223 - EPA 300

Blank (BE41223-BLK1)

Prepared & Analyzed: 05/16/2024

Nitrate as N	ND	0.0500	mg/L
Sulfate	ND	1.00	"

LCS (BE41223-BS1)

Prepared & Analyzed: 05/16/2024

Nitrate as N	9.95	0.0500	mg/L	10.0	99.5	90-110
Sulfate	9.67	1.00	"	10.0	96.7	85-115

Duplicate (BE41223-DUP2)

*Source sample: 24E1150-01 (CW4-M)

Prepared & Analyzed: 05/17/2024

Nitrate as N	6.92	0.0500	mg/L	7.18	3.78	15
Sulfate	37.5	1.00	"	37.9	1.10	15

Matrix Spike (BE41223-MS2)

*Source sample: 24E1150-01 (CW4-M)

Prepared & Analyzed: 05/17/2024

Nitrate as N	16.8	0.0500	mg/L	10.0	7.18	95.7	90-110	
Sulfate	41.2	1.00	"	10.0	37.9	33.3	85-115	Low Bias

Matrix Spike Dup (BE41223-MSD2)

*Source sample: 24E1150-01 (CW4-M)

Prepared & Analyzed: 05/17/2024

Nitrate as N	16.8	0.0500	mg/L	10.0	7.18	95.8	90-110		0.0513	200
Sulfate	41.0	1.00	"	10.0	37.9	31.2	85-115	Low Bias	0.505	20

Batch BE41725 - EPA 300

Blank (BE41725-BLK1)

Prepared & Analyzed: 05/23/2024

Chloride	ND	0.500	mg/L

LCS (BE41725-BS1)

Prepared & Analyzed: 05/23/2024

Chloride	10.6	0.500	mg/L	10.0	106	90-110



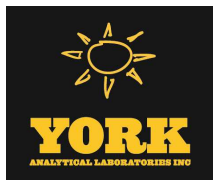
Anions by Ion Chromatography - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41725 - EPA 300											
Duplicate (BE41725-DUP1)	*Source sample: 24E1617-01 (Duplicate)						Prepared & Analyzed: 05/23/2024				
Chloride	78.0	0.500	mg/L						200	15	Non-dir.
Duplicate (BE41725-DUP2)	*Source sample: 24E1618-01 (Duplicate)						Prepared & Analyzed: 05/23/2024				
Chloride	174	0.500	mg/L		179				3.11	15	
Matrix Spike (BE41725-MS1)	*Source sample: 24E1617-01 (Matrix Spike)						Prepared & Analyzed: 05/23/2024				
Chloride	80.1	0.500	mg/L	10.0		801	85-115	High Bias			
Matrix Spike (BE41725-MS2)	*Source sample: 24E1618-01 (Matrix Spike)						Prepared & Analyzed: 05/24/2024				
Chloride	171	0.500	mg/L	10.0	179	NR	85-115	Low Bias			
Matrix Spike Dup (BE41725-MSD1)	*Source sample: 24E1617-01 (Matrix Spike Dup)						Prepared & Analyzed: 05/23/2024				
Chloride	79.6	0.500	mg/L	10.0		796	85-115	High Bias	0.636	20	
Matrix Spike Dup (BE41725-MSD2)	*Source sample: 24E1618-01 (Matrix Spike Dup)						Prepared & Analyzed: 05/24/2024				
Chloride	172	0.500	mg/L	10.0	179	NR	85-115	Low Bias	0.383	20	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41280 - Analysis Preparation											
Blank (BE41280-BLK1)											
										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L								
LCS (BE41280-BS1)											
										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	1.40	0.0500	mg/L				85-125				
Duplicate (BE41280-DUP1)											
*Source sample: 24E1150-01 (CW4-M)										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L		ND					15	
Matrix Spike (BE41280-MS1)											
*Source sample: 24E1150-01 (CW4-M)										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	12.4	0.0500	mg/L		ND		80-120				
Matrix Spike Dup (BE41280-MSD1)											
*Source sample: 24E1150-01 (CW4-M)										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	12.6	0.0500	mg/L		ND		80-120		1.92	200	
Batch BE41653 - Analysis Preparation											
Duplicate (BE41653-DUP1)											
*Source sample: 24E1150-01 (CW4-M)										Prepared & Analyzed: 05/24/2024	
Alkalinity, total	34	2.0	mg/L		33				2.99	15	
Reference (BE41653-SRM1)											
										Prepared & Analyzed: 05/24/2024	
Alkalinity, total	96		mg/L	95.2		101	90-110				
Batch BE41654 - Analysis Preparation											
Blank (BE41654-BLK1)											
										Prepared & Analyzed: 05/24/2024	
Bicarbonate	ND	2.00	mg/L								



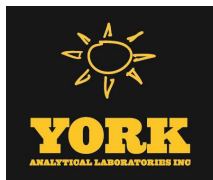
Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41654 - Analysis Preparation

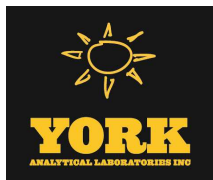
Duplicate (BE41654-DUP1)		*Source sample: 24E1150-01 (CW4-M)						Prepared & Analyzed: 05/24/2024			
Bicarbonate	34.0	2.00	mg/L		33.0				2.99	15	



Miscellaneous Physical Parameters - Quality Control Data

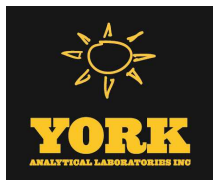
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
Batch BE41174 - % Solids Prep									
Blank (BE41174-BLK1)					Prepared: 05/17/2024 Analyzed: 05/20/2024				
Total Dissolved Solids	ND	1.00	mg/L						
Duplicate (BE41174-DUP1)					*Source sample: 24E1150-04 (CW2-M) Prepared: 05/17/2024 Analyzed: 05/20/2024				
Total Dissolved Solids	225	1.00	mg/L		229			1.76	15
Duplicate (BE41174-DUP2)					*Source sample: 24E1174-01 (Duplicate) Prepared: 05/17/2024 Analyzed: 05/20/2024				
Total Dissolved Solids	338	1.00	mg/L		342			1.18	15
Reference (BE41174-SRM1)					Prepared: 05/17/2024 Analyzed: 05/20/2024				
Total Dissolved Solids	1000	1.00	mg/L	1000		100	0-200		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24E1150-01	CW4-M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1150-02	CW4-S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1150-03	EN9-M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1150-04	CW2-M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1150-05	Trip Blank_5 15 24	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) was outside the 90-110% recovery criteria.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.



2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

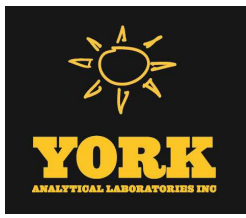


YORK Project Number
24E1150

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK Page 7 of 7

Report To:		Invoice To:		YOUR Project Name / Number		Samples Collected From				Turn-Around Time	
Company: D&B Engineers & Architects 330 Crossways Park Dr. T	Company: Address: Phone.: Contact: E-mail:	Company: Address: Phone.: Contact: E-mail:		Company: Address: Phone.: Contact: E-mail:		CT PA Other: (please specify)				RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day RUSH - Five Day Standard (6-9 Day) PFAS Standard 7-10 Day	
Phone.: 516-364-9890		Phone.: 516-364-9890		PO Number 5629		Analyses Requested				Report Type (circle) QA Report Summary (Results Only) NY ASPB Package NJ Reduced NJ DKQP NJ Full CT RCP	
Tfox@db-eng.com		Tfox@db-eng.com		Preservative (please list number of containers)		Other: (please specify)				EDD Type (circle) EQuIS (standard) NYSDEC EQuIS NUDEP SRP Haz Site Standard Excel CMDP Other: Regulatory Comparative Compared to the following Regulation(s): (please fill in)	
Jeremy Sanson		Jeremy Sanson		Matrix Codes		Other: (please specify)				Field Filtered Lab Filtered	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		S - soil/solid/sludge GW - groundwater DW - drinking water SW - surface water WW - wastewater O - Oil Other		Date		Other: (please specify)				Field Filtered Lab Filtered	
Sample Identification		Date		Time		Other: (please specify)				Field Filtered Lab Filtered	
GW4-M		5/15/24		9:25		Other: (please specify)				Field Filtered Lab Filtered	
GW4-S		5/15/24		10:45		Other: (please specify)				Field Filtered Lab Filtered	
GW4-M		5/15/24		12:30		Other: (please specify)				Field Filtered Lab Filtered	
GW2-M		5/15/24		1:35		Other: (please specify)				Field Filtered Lab Filtered	
Trip blank		5/15/24		5/15/24		Other: (please specify)				Field Filtered Lab Filtered	

Comments:		Lab Sample Receiving Checklist (to be completed by the receiving laboratory only)				Circle Y / N	
Provide Category "B" & T903 Send data to labdata@db-Eng.com	Samples Relinquished by / Company Chris Blum-Andree	Date/Time 5/15/04 2:50	1. Samples Received by / Company K. Sandberg	Date/Time 5/16/04 10:00 AM	Custody Seals: Y / N Containers Intact: Y / N COC Complete: Y / N Cooler Temperature Confirmed: Y / N	Containers Intact: Y / N COC Labels Agree: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N	Y / N Y / N Y / N Y / N
	Samples Relinquished by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	2. Samples Relinquished by / Company K. Sandberg	Date/Time 5/16/04	17:00
	Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by K. Sandberg	Date/Time 5/16/04	17:00
	Samples Relinquished by / Company	Date/Time	5. Samples Received by / Company	Date/Time	Samples Received in LAB by K. Sandberg	Date/Time 5/16/04	17:00



Technical Report

prepared for:

D&B Engineers and Architects, P.C.

330 Crossways Park Drive

Woodbury NY, 11797

Attention: Tom Fox

Report Date: 05/28/2024

Client Project ID: 5629 / East Northport Groundwater

York Project (SDG) No.: 24E1267

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/28/2024
Client Project ID: 5629 / East Northport Groundwater
York Project (SDG) No.: 24E1267

D&B Engineers and Architects, P.C.
330 Crossways Park Drive
Woodbury NY, 11797
Attention: Tom Fox

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 17, 2024 and listed below. The project was identified as your project: **5629 / East Northport Groundwater**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24E1267-01	CW1-M	Ground Water	05/16/2024	05/17/2024
24E1267-02	CW1-S	Ground Water	05/16/2024	05/17/2024
24E1267-03	EN6-S	Ground Water	05/16/2024	05/17/2024
24E1267-04	EN6-M	Ground Water	05/16/2024	05/17/2024
24E1267-05	Trip Blank-5 16 24	Ground Water	05/16/2024	05/17/2024

General Notes for York Project (SDG) No.: 24E1267

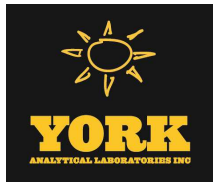
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: 

Cassie L. Mosher
Laboratory Manager

Date: 05/28/2024





Sample Information

Client Sample ID: CW1-M

York Sample ID: 24E1267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 9:35 am

05/17/2024

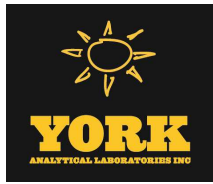
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB



Sample Information

Client Sample ID: CW1-M

York Sample ID: 24E1267-01

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 9:35 am

Date Received

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
127-18-4	Tetrachloroethylene	ND	QL-02, ICVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 03:42	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 19:35	05/24/2024 03:42	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %	71-130							

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0586		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:11	AGNR

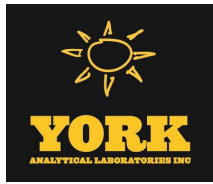
Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: CW1-M

York Sample ID: 24E1267-01

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 9:35 am

Date Received

05/17/2024

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	20.4		mg/L	0.0556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:11	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:11	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	102		mg/L	1.11	1	SM 2340B-2011	05/23/2024 08:39	05/23/2024 16:11	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.633		mg/L	0.278	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:11	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	12.5		mg/L	0.0556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:11	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	2.31		mg/L	0.0556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:11	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

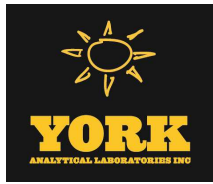
Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	10.8	M-BS	mg/L	0.556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:11	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: CW1-M

York Sample ID: 24E1267-01

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 9:35 am

Date Received

05/17/2024

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:46	05/23/2024 14:50	cw

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:46	05/23/2024 14:50	cw

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	1.86		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:46	05/23/2024 14:50	cw

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 09:55	05/23/2024 09:55	PFA

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	22.0		mg/L	0.0690	0.500	1	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/17/2024 23:12	05/17/2024 23:12	VR

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.108		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/17/2024 23:12	05/17/2024 23:12	VR

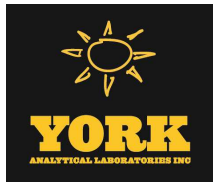
Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	54.2		mg/L	10.0	10	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/28/2024 11:49	05/28/2024 11:49	NJO



Sample Information

Client Sample ID: CW1-M

York Sample ID: 24E1267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 9:35 am

05/17/2024

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	52		mg/L	2.0	1	SM 2320B	05/24/2024 06:25	05/24/2024 08:54	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	ND		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	52.0		mg/L	2.00	1	SM 2310B	05/24/2024 06:27	05/24/2024 08:54	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	207		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sample Information

Client Sample ID: CW1-S

York Sample ID: 24E1267-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 10:35 am

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:11	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:11	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:11	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										



Sample Information

Client Sample ID: CW1-S

York Sample ID: 24E1267-02

York Project (SDG) No.
24E1267

Client Project ID
5629 / East Northport Groundwater

Matrix
Ground Water

Collection Date/Time
May 16, 2024 10:35 am

Date Received
05/17/2024

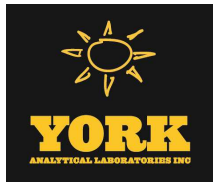
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
108-90-7	Chlorobenzene	0.96		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB



Sample Information

Client Sample ID: CW1-S

York Sample ID: 24E1267-02

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 10:35 am

Date Received

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:11	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 19:35	05/24/2024 04:11	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %	71-130							

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.228		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:14	AGNR

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	43.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:14	AGNR

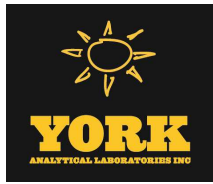
Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: CW1-S

York Sample ID: 24E1267-02

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 10:35 am

Date Received

05/17/2024

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:39	05/23/2024 16:14	AGNR

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	161		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005	05/23/2024 08:39	05/23/2024 16:14	AGNR

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	13.7		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:14	AGNR

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	12.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:14	AGNR

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	27.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:14	AGNR

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	64.6	M-BS	mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:14	AGNR

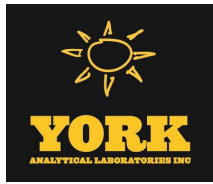
Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	38.6		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:46	05/23/2024 14:54	cw



Sample Information

Client Sample ID: CW1-S

York Sample ID: 24E1267-02

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 10:35 am

Date Received

05/17/2024

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:46	05/23/2024 14:54	cw

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	5.71		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:46	05/23/2024 14:54	cw

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 09:55	05/23/2024 09:55	PFA

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	43.8		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 12:09	05/28/2024 12:09	NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.126		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/17/2024 23:52	05/17/2024 23:52	VR

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	32.0		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/17/2024 23:52	05/17/2024 23:52	VR

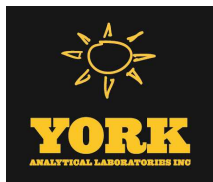
Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	290		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/24/2024 06:25	05/24/2024 08:54	VR



Sample Information

Client Sample ID: CW1-S

York Sample ID: 24E1267-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 10:35 am

05/17/2024

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	25.5		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	288		mg/L	2.00	1	SM 2310B	05/24/2024 06:27	05/24/2024 08:54	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	399		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sample Information

Client Sample ID: EN6-S

York Sample ID: 24E1267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 12:00 pm

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:39	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:39	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:39	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:39	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:39	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:39	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 04:39	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										



Sample Information

Client Sample ID: EN6-S

York Sample ID: 24E1267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 12:00 pm

05/17/2024

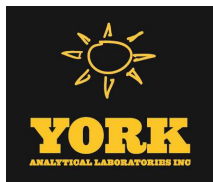
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
67-66-3	Chloroform	0.75		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB



Sample Information

Client Sample ID: EN6-S

York Sample ID: 24E1267-03

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 12:00 pm

Date Received

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 04:39	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 19:35	05/24/2024 04:39	SCB
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %								

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:39	05/23/2024 16:18	AGNR

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	16.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:39	05/23/2024 16:18	AGNR

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	0.0149		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:39	05/23/2024 16:18	AGNR

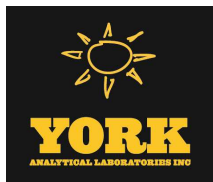
Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: EN6-S

York Sample ID: 24E1267-03

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 12:00 pm

Date Received

05/17/2024

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	63.7		mg/L	1.11	1	SM 2340B-2011	05/23/2024 08:39	05/23/2024 16:18	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	5.65		mg/L	0.0556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	2.12		mg/L	0.0556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	38.6	M-BS	mg/L	0.556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	05/23/2024 08:46	05/23/2024 14:57	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	05/23/2024 08:46	05/23/2024 14:57	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Lead by EPA 6020

Log-in Notes:

Sample Notes:

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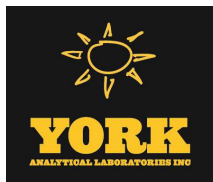
132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

Page 16 of 45



Sample Information

Client Sample ID: EN6-S

York Sample ID: 24E1267-03

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 12:00 pm

Date Received

05/17/2024

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 08:46	05/23/2024 14:57	cw

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/23/2024 09:55	05/23/2024 09:55	PFA

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	64.8		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 12:42	05/28/2024 12:42	NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	6.01		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/18/2024 00:32	05/18/2024 00:32	VR

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	25.9		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/18/2024 00:32	05/18/2024 00:32	VR

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	17		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/28/2024 07:31	05/28/2024 14:46	VR

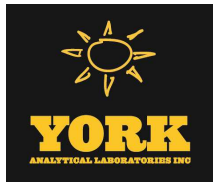
Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	ND		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/20/2024 10:00	05/20/2024 11:15	TCD



Sample Information

Client Sample ID: EN6-S

York Sample ID: 24E1267-03

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 12:00 pm

Date Received

05/17/2024

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Bicarbonate		17.0		mg/L	2.00	1	SM 2310B	05/28/2024 07:34	05/28/2024 14:48	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids		236		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sample Information

Client Sample ID: EN6-M

York Sample ID: 24E1267-04

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 1:30 pm

Date Received

05/17/2024

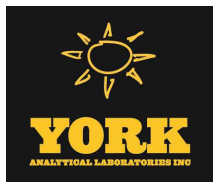
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1	05/23/2024 19:35	05/24/2024 05:07	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										



Sample Information

Client Sample ID: EN6-M

York Sample ID: 24E1267-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 1:30 pm

05/17/2024

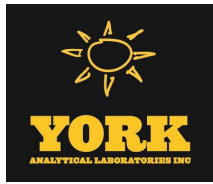
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB



Sample Information

Client Sample ID: EN6-M

York Sample ID: 24E1267-04

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 1:30 pm

Date Received

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 05:07	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 19:35	05/24/2024 05:07	SCB
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	116 %								

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.249		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:21	AGNR

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	5.79		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:21	AGNR

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	0.0103		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:21	AGNR

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	21.6		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005	05/23/2024 08:39	05/23/2024 16:21	AGNR

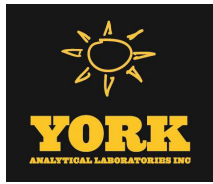
Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	5.17		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/23/2024 08:39	05/23/2024 16:21	AGNR



Sample Information

Client Sample ID: EN6-M

York Sample ID: 24E1267-04

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 1:30 pm

Date Received

05/17/2024

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	1.72		mg/L	0.0556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:21	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	3.36		mg/L	0.0556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:21	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	4.22	M-BS	mg/L	0.556	1	EPA 6010D	05/23/2024 08:39	05/23/2024 16:21	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	05/23/2024 08:46	05/23/2024 15:25	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	0.767		ug/L	0.556	1	EPA 6020B	05/23/2024 08:46	05/23/2024 15:25	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	2.04		ug/L	1.11	1	EPA 6020B	05/23/2024 08:46	05/23/2024 15:25	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

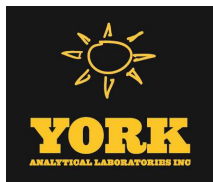
Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1	05/23/2024 09:55	05/23/2024 09:55	PFA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: EN6-M

York Sample ID: 24E1267-04

York Project (SDG) No.
24E1267

Client Project ID
5629 / East Northport Groundwater

Matrix
Ground Water

Collection Date/Time
May 16, 2024 1:30 pm

Date Received
05/17/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	7.28		mg/L	0.0690	0.500	1	EPA 300.0	05/18/2024 01:05	05/18/2024 01:05	VR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.296		mg/L	0.0500	1	EPA 300.0	05/18/2024 01:05	05/18/2024 01:05	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.		Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate		1.35		mg/L	1.00	1	EPA 300.0	05/18/2024 01:05	05/18/2024 01:05	VR
Certifications:									NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	28		mg/L	2.0	1	SM 2320B	05/28/2024 07:31	05/28/2024 14:46	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	0.0760		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Bicarbonate		28.0		mg/L	2.00	1	SM 2310B	05/28/2024 07:34	05/28/2024 14:48	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: EN6-M

York Sample ID: 24E1267-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 1:30 pm

05/17/2024

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	55.0		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: Trip Blank-5 16 24

York Sample ID: 24E1267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 1:30 pm

05/17/2024

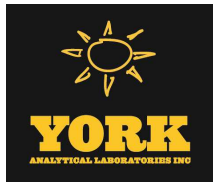
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1	05/23/2024 19:35	05/24/2024 00:55	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		



Sample Information

Client Sample ID: Trip Blank-5 16 24

York Sample ID: 24E1267-05

York Project (SDG) No.

24E1267

Client Project ID

5629 / East Northport Groundwater

Matrix

Ground Water

Collection Date/Time

May 16, 2024 1:30 pm

Date Received

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/23/2024 19:35	05/24/2024 00:55	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/23/2024 19:35	05/24/2024 00:55	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	78-126							



Sample Information

Client Sample ID: Trip Blank-5 16 24

York Sample ID: 24E1267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1267

5629 / East Northport Groundwater

Ground Water

May 16, 2024 1:30 pm

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			84-117					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	119 %			71-130					



Analytical Batch Summary

Batch ID: BE41274 **Preparation Method:** % Solids Prep **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/20/24
24E1267-02	CW1-S	05/20/24
24E1267-03	EN6-S	05/20/24
24E1267-04	EN6-M	05/20/24
BE41274-BLK1	Blank	05/20/24
BE41274-DUP1	Duplicate	05/20/24
BE41274-DUP2	Duplicate	05/20/24
BE41274-MRL1	MRL Check	05/20/24

Batch ID: BE41280 **Preparation Method:** Analysis Preparation **Prepared By:** TCD

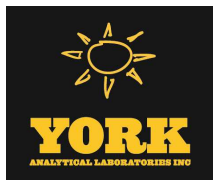
YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/20/24
24E1267-02	CW1-S	05/20/24
24E1267-03	EN6-S	05/20/24
24E1267-04	EN6-M	05/20/24
BE41280-BLK1	Blank	05/20/24
BE41280-BS1	LCS	05/20/24
BE41280-DUP1	Duplicate	05/20/24
BE41280-MS1	Matrix Spike	05/20/24
BE41280-MSD1	Matrix Spike Dup	05/20/24

Batch ID: BE41286 **Preparation Method:** EPA 300 **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/17/24
24E1267-02	CW1-S	05/17/24
24E1267-03	EN6-S	05/18/24
24E1267-04	EN6-M	05/18/24
BE41286-BLK1	Blank	05/17/24
BE41286-BS1	LCS	05/18/24
BE41286-DUP1	Duplicate	05/17/24
BE41286-DUP2	Duplicate	05/18/24
BE41286-MS1	Matrix Spike	05/17/24
BE41286-MS2	Matrix Spike	05/18/24
BE41286-MSD1	Matrix Spike Dup	05/17/24
BE41286-MSD2	Matrix Spike Dup	05/18/24

Batch ID: BE41572 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/23/24
24E1267-02	CW1-S	05/23/24
24E1267-03	EN6-S	05/23/24



24E1267-04	EN6-M	05/23/24
BE41572-BLK1	Blank	05/23/24
BE41572-BS1	LCS	05/23/24
BE41572-DUP1	Duplicate	05/23/24
BE41572-MS1	Matrix Spike	05/23/24
BE41572-PS1	Post Spike	05/23/24

Batch ID: BE41573 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/23/24
24E1267-02	CW1-S	05/23/24
24E1267-03	EN6-S	05/23/24
24E1267-04	EN6-M	05/23/24
BE41573-BLK1	Blank	05/23/24
BE41573-BS1	LCS	05/23/24
BE41573-DUP1	Duplicate	05/23/24
BE41573-MS1	Matrix Spike	05/23/24

Batch ID: BE41596 **Preparation Method:** EPA 245.1 Mercury **Prepared By:** PFA

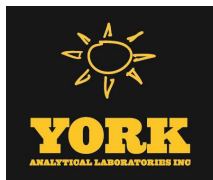
YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/23/24
24E1267-02	CW1-S	05/23/24
24E1267-03	EN6-S	05/23/24
24E1267-04	EN6-M	05/23/24
BE41596-BLK1	Blank	05/23/24
BE41596-BLK2	Blank	05/23/24
BE41596-BS1	LCS	05/23/24
BE41596-BS2	LCS	05/23/24

Batch ID: BE41649 **Preparation Method:** EPA 5030B **Prepared By:** SCB

YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/23/24
24E1267-02	CW1-S	05/23/24
24E1267-03	EN6-S	05/23/24
24E1267-04	EN6-M	05/23/24
24E1267-05	Trip Blank-5 16 24	05/23/24
BE41649-BLK1	Blank	05/23/24
BE41649-BS1	LCS	05/23/24
BE41649-BSD1	LCS Dup	05/23/24

Batch ID: BE41653 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/24/24
24E1267-02	CW1-S	05/24/24
BE41653-DUP1	Duplicate	05/24/24



BE41653-SRM1

Reference

05/24/24

Batch ID: BE41654**Preparation Method:** Analysis Preparation**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/24/24
24E1267-02	CW1-S	05/24/24
BE41654-BLK1	Blank	05/24/24
BE41654-DUP1	Duplicate	05/24/24

Batch ID: BE41761**Preparation Method:** Analysis Preparation**Prepared By:** VR

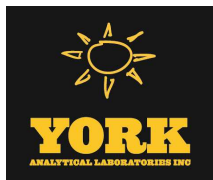
YORK Sample ID	Client Sample ID	Preparation Date
24E1267-03	EN6-S	05/28/24
24E1267-04	EN6-M	05/28/24
BE41761-DUP1	Duplicate	05/28/24
BE41761-SRM1	Reference	05/28/24

Batch ID: BE41762**Preparation Method:** Analysis Preparation**Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1267-03	EN6-S	05/28/24
24E1267-04	EN6-M	05/28/24
BE41762-BLK1	Blank	05/28/24
BE41762-DUP1	Duplicate	05/28/24

Batch ID: BE41849**Preparation Method:** EPA 300**Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24E1267-01	CW1-M	05/28/24
24E1267-02	CW1-S	05/28/24
24E1267-03	EN6-S	05/28/24
BE41849-BLK1	Blank	05/28/24
BE41849-BS1	LCS	05/28/24
BE41849-DUP1	Duplicate	05/28/24
BE41849-DUP2	Duplicate	05/28/24
BE41849-MS1	Matrix Spike	05/28/24
BE41849-MSD1	Matrix Spike Dup	05/28/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

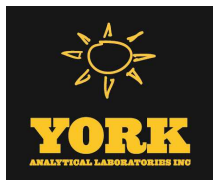
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41649 - EPA 5030B

Blank (BE41649-BLK1)

Prepared & Analyzed: 05/23/2024

1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2-Chloroethylvinyl ether	ND	20	"								
Benzene	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methylene chloride	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
1,2,3-Trimethylbenzene	ND	0.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	78-126				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	84-117				
Surrogate: SURR: p-Bromofluorobenzene	12.0		"	10.0		120	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

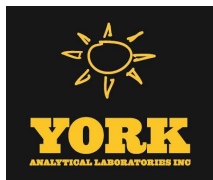
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41649 - EPA 5030B

LCS (BE41649-BS1)

Prepared & Analyzed: 05/23/2024

1,1,1-Trichloroethane	10.5		ug/L	10.0		105	75-125				
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	60-140				
1,1,2-Trichloroethane	9.62		"	10.0		96.2	71-129				
1,1-Dichloroethane	10.1		"	10.0		101	72-128				
1,1-Dichloroethylene	10.8		"	10.0		108	50-150				
1,2-Dichlorobenzene	10.1		"	10.0		101	63-137				
1,2-Dichloroethane	10.3		"	10.0		103	68-132				
1,2-Dichloropropane	10.2		"	10.0		102	34-166				
1,3-Dichlorobenzene	10.3		"	10.0		103	73-127				
1,4-Dichlorobenzene	10.2		"	10.0		102	63-137				
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias			
Benzene	10.8		"	10.0		108	64-136				
Bromodichloromethane	9.92		"	10.0		99.2	65-135				
Bromoform	8.97		"	10.0		89.7	71-129				
Bromomethane	13.3		"	10.0		133	14-186				
Carbon tetrachloride	10.7		"	10.0		107	73-127				
Chlorobenzene	10.4		"	10.0		104	66-134				
Chloroethane	13.8		"	10.0		138	38-162				
Chloroform	10.0		"	10.0		100	67-133				
Chloromethane	8.20		"	10.0		82.0	0.5-204				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	9.65		"	10.0		96.5	24-176				
Dibromochloromethane	9.44		"	10.0		94.4	67-133				
Ethyl Benzene	11.2		"	10.0		112	59-141				
Methylene chloride	9.16		"	10.0		91.6	60-140				
o-Xylene	10.9		"	10.0		109	70-130				
p- & m- Xylenes	22.4		"	20.0		112	70-130				
Tetrachloroethylene	5.10		"	10.0		51.0	73-127	Low Bias			
Toluene	10.5		"	10.0		105	74-126				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	69-131				
trans-1,3-Dichloropropylene	9.67		"	10.0		96.7	50-150				
Trichloroethylene	9.71		"	10.0		97.1	66-134				
Trichlorofluoromethane	14.3		"	10.0		143	48-152				
Vinyl Chloride	11.3		"	10.0		113	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.1		"	10.0		101	78-126				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.91		"	10.0		99.1	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41649 - EPA 5030B

LCS Dup (BE41649-BSD1)

Prepared & Analyzed: 05/23/2024

1,1,1-Trichloroethane	11.1		ug/L	10.0		111	75-125		5.82	30	
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112	60-140		3.00	30	
1,1,2-Trichloroethane	10.0		"	10.0		100	71-129		4.17	30	
1,1-Dichloroethane	10.2		"	10.0		102	72-128		1.28	30	
1,1-Dichloroethylene	11.4		"	10.0		114	50-150		5.06	30	
1,2-Dichlorobenzene	10.5		"	10.0		105	63-137		3.99	30	
1,2-Dichloroethane	10.9		"	10.0		109	68-132		5.93	30	
1,2-Dichloropropane	10.7		"	10.0		107	34-166		5.35	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	73-127		3.71	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	63-137		3.27	30	
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias		30	
Benzene	11.3		"	10.0		113	64-136		4.16	30	
Bromodichloromethane	10.2		"	10.0		102	65-135		3.08	30	
Bromoform	10.0		"	10.0		100	71-129		10.9	30	
Bromomethane	13.2		"	10.0		132	14-186		0.984	30	
Carbon tetrachloride	11.5		"	10.0		115	73-127		7.02	30	
Chlorobenzene	10.7		"	10.0		107	66-134		2.74	30	
Chloroethane	12.0		"	10.0		120	38-162		14.4	30	
Chloroform	10.2		"	10.0		102	67-133		1.39	30	
Chloromethane	8.09		"	10.0		80.9	0.5-204		1.35	30	
cis-1,2-Dichloroethylene	10.7		"	10.0		107	70-130		3.03	30	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	24-176		3.76	30	
Dibromochloromethane	9.95		"	10.0		99.5	67-133		5.26	30	
Ethyl Benzene	11.7		"	10.0		117	59-141		4.89	30	
Methylene chloride	9.53		"	10.0		95.3	60-140		3.96	30	
o-Xylene	11.4		"	10.0		114	70-130		4.66	30	
p- & m- Xylenes	23.9		"	20.0		119	70-130		6.49	30	
Tetrachloroethylene	5.32		"	10.0		53.2	73-127	Low Bias	4.22	30	
Toluene	11.2		"	10.0		112	74-126		5.62	30	
trans-1,2-Dichloroethylene	10.9		"	10.0		109	69-131		4.22	30	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	50-150		4.35	30	
Trichloroethylene	10.3		"	10.0		103	66-134		5.61	30	
Trichlorofluoromethane	13.5		"	10.0		135	48-152		5.39	30	
Vinyl Chloride	11.1		"	10.0		111	4-196		1.52	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	78-126				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.74		"	10.0		97.4	71-130				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41572 - EPA 3015A

Blank (BE41572-BLK1)

Prepared & Analyzed: 05/23/2024

Aluminum	ND	0.0556	mg/L
Hardness, Total	ND	1.11	"
Calcium	ND	0.0556	"
Chromium	ND	0.00556	"
Iron	ND	0.278	"
Magnesium	ND	0.0556	"
Potassium	ND	0.0556	"
Sodium	ND	0.556	"

LCS (BE41572-BS1)

Prepared & Analyzed: 05/23/2024

Aluminum	1.88		ug/mL	2.00	94.2	80-120
Calcium	1.05		"	1.00	105	80-120
Chromium	0.206		"	0.200	103	80-120
Iron	0.996		"	1.00	99.6	80-120
Magnesium	0.994		"	1.00	99.4	80-120
Potassium	0.831		"	1.00	83.1	80-120
Sodium	1.49		"	1.00	149	80-120 High Bias

Duplicate (BE41572-DUP1)

*Source sample: 24E1267-04 (EN6-M)

Prepared & Analyzed: 05/23/2024

Aluminum	0.287	0.0556	mg/L	0.249		14.0	20
Hardness, Total	ND	1.11	"	21.6			20
Calcium	5.90	0.0556	"	5.79		1.91	20
Chromium	0.0104	0.00556	"	0.0103		1.01	20
Iron	5.67	0.278	"	5.17		9.16	20
Magnesium	1.71	0.0556	"	1.72		0.671	20
Potassium	3.35	0.0556	"	3.36		0.330	20
Sodium	4.21	0.556	"	4.22		0.370	20



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

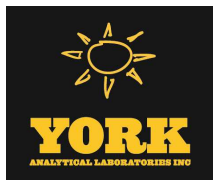
Batch BE41572 - EPA 3015A

Matrix Spike (BE41572-MS1)		*Source sample: 24E1267-04 (EN6-M)						Prepared & Analyzed: 05/23/2024			
Aluminum	2.44	0.0556	mg/L	2.22	0.249	98.5	75-125				
Chromium	0.233	0.00556	"	0.222	0.0103	100	75-125				
Iron	7.08	0.278	"	1.11	5.17	171	75-125	High Bias			
Post Spike (BE41572-PS1)		*Source sample: 24E1267-04 (EN6-M)						Prepared & Analyzed: 05/23/2024			
Aluminum	2.17		ug/mL	2.00	0.225	97.2	75-125				
Calcium	6.18		"	1.00	5.21	97.2	75-125				
Chromium	0.218		"	0.200	0.00923	104	75-125				
Iron	5.71		"	1.00	4.65	105	75-125				
Magnesium	2.54		"	1.00	1.55	99.2	75-125				
Potassium	3.90		"	1.00	3.03	87.2	75-125				
Sodium	4.73		"	1.00	3.80	92.6	75-125				



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

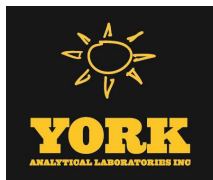
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41573 - EPA 3015A											
Blank (BE41573-BLK1)											
										Prepared & Analyzed: 05/23/2024	
Arsenic	ND	1.11	ug/L								
Cadmium	ND	0.556	"								
Lead	ND	1.11	"								
LCS (BE41573-BS1)											
										Prepared & Analyzed: 05/23/2024	
Arsenic	48.1		ug/L	50.0		96.1	80-120				
Cadmium	49.2		"	50.0		98.3	80-120				
Lead	49.6		"	50.0		99.1	80-120				
Duplicate (BE41573-DUP1)											
*Source sample: 24E1267-03 (EN6-S)										Prepared & Analyzed: 05/23/2024	
Arsenic	ND	1.11	ug/L		ND					20	
Cadmium	ND	0.556	"		ND					20	
Lead	ND	1.11	"		ND					20	
Matrix Spike (BE41573-MS1)											
*Source sample: 24E1267-03 (EN6-S)										Prepared & Analyzed: 05/23/2024	
Arsenic	48.9		ug/L	50.0	0.297	97.1	75-125				
Cadmium	53.0		"	50.0	0.288	105	75-125				
Lead	51.5		"	50.0	0.656	102	75-125				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

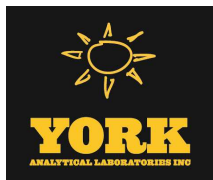
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BE41596 - EPA 245.1 Mercury											
Blank (BE41596-BLK1)								Prepared & Analyzed: 05/23/2024			
Mercury	ND	0.0002000	mg/L								
Blank (BE41596-BLK2)								Prepared & Analyzed: 05/23/2024			
Mercury	ND	0.0002000	mg/L								
LCS (BE41596-BS1)								Prepared & Analyzed: 05/23/2024			
Mercury	0.001809	0.0002000	mg/L	0.00200		90.5	75-125				
LCS (BE41596-BS2)								Prepared & Analyzed: 05/23/2024			
Mercury	0.002093	0.0002000	mg/L	0.00200		105	75-125				



Anions by Ion Chromatography - Quality Control Data

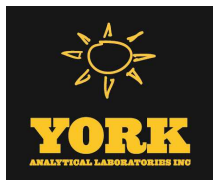
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41286 - EPA 300											
Blank (BE41286-BLK1)											
										Prepared & Analyzed: 05/17/2024	
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BE41286-BS1)											
										Prepared & Analyzed: 05/18/2024	
Chloride	9.33	0.500	mg/L	10.0		93.3	90-110				
Nitrate as N	9.83	0.0500	"	10.0		98.3	90-110				
Sulfate	9.52	1.00	"	10.0		95.2	85-115				
Duplicate (BE41286-DUP1)											
*Source sample: 24E1267-01 (CW1-M)										Prepared & Analyzed: 05/17/2024	
Chloride	22.1	0.500	mg/L		22.0				0.403	15	
Nitrate as N	0.106	0.0500	"		0.108				1.96	15	
Sulfate	48.8	1.00	"		48.2				1.20	15	
Duplicate (BE41286-DUP2)											
*Source sample: 24E1267-02 (CW1-S)										Prepared & Analyzed: 05/18/2024	
Chloride	42.7	0.500	mg/L		43.0				0.699	15	
Nitrate as N	0.118	0.0500	"		0.126				6.39	15	
Sulfate	32.0	1.00	"		32.0				0.00407	15	
Matrix Spike (BE41286-MS1)											
*Source sample: 24E1267-01 (CW1-M)										Prepared & Analyzed: 05/17/2024	
Chloride	28.8	0.500	mg/L	10.0	22.0	67.7	85-115	Low Bias			
Nitrate as N	9.38	0.0500	"	10.0	0.108	92.7	90-110				
Sulfate	51.5	1.00	"	10.0	48.2	32.5	85-115	Low Bias			
Matrix Spike (BE41286-MS2)											
*Source sample: 24E1267-02 (CW1-S)										Prepared & Analyzed: 05/18/2024	
Chloride	44.5	0.500	mg/L	10.0	43.0	14.9	85-115	Low Bias			
Nitrate as N	8.84	0.0500	"	10.0	0.126	87.2	90-110	Low Bias			
Sulfate	36.5	1.00	"	10.0	32.0	45.5	85-115	Low Bias			



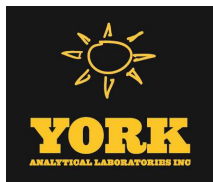
Anions by Ion Chromatography - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41286 - EPA 300											
Matrix Spike Dup (BE41286-MSD1)		*Source sample: 24E1267-01 (CW1-M)					Prepared & Analyzed: 05/17/2024				
Chloride	28.6	0.500	mg/L	10.0	22.0	65.4	85-115	Low Bias	0.788	20	
Nitrate as N	9.46	0.0500	"	10.0	0.108	93.5	90-110		0.845	200	
Sulfate	51.8	1.00	"	10.0	48.2	35.8	85-115	Low Bias	0.643	20	
Matrix Spike Dup (BE41286-MSD2)		*Source sample: 24E1267-02 (CW1-S)					Prepared & Analyzed: 05/18/2024				
Chloride	44.8	0.500	mg/L	10.0	43.0	17.4	85-115	Low Bias	0.549	20	
Nitrate as N	8.87	0.0500	"	10.0	0.126	87.5	90-110	Low Bias	0.341	200	
Sulfate	36.5	1.00	"	10.0	32.0	45.0	85-115	Low Bias	0.117	20	
Batch BE41849 - EPA 300											
Blank (BE41849-BLK1)		Prepared & Analyzed: 05/28/2024									
Chloride	ND	0.500	mg/L								
Sulfate	ND	1.00	"								
LCS (BE41849-BS1)		Prepared & Analyzed: 05/28/2024									
Chloride	9.30	0.500	mg/L	10.0		93.0	90-110				
Sulfate	9.88	1.00	"	10.0		98.8	85-115				
Duplicate (BE41849-DUP1)		*Source sample: 24E1299-01 (Duplicate)					Prepared & Analyzed: 05/28/2024				
Chloride	54.8	0.500	mg/L		54.7				0.219	15	
Sulfate	19.6	1.00	"		19.4				0.884	15	
Duplicate (BE41849-DUP2)		*Source sample: 24E1267-01 (CW1-M)					Prepared & Analyzed: 05/28/2024				
Chloride	20.9	5.00	mg/L		22.0				5.25	15	
Sulfate	54.4	10.0	"		54.2				0.341	15	



Anions by Ion Chromatography - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41849 - EPA 300											
Matrix Spike (BE41849-MS1)		*Source sample: 24E1299-01 (Matrix Spike)						Prepared & Analyzed: 05/28/2024			
Chloride	55.0	0.500	mg/L	10.0	54.7	3.08	85-115	Low Bias			
Sulfate	23.9	1.00	"	10.0	19.4	45.1	85-115	Low Bias			
Matrix Spike Dup (BE41849-MSD1)		*Source sample: 24E1299-01 (Matrix Spike Dup)						Prepared & Analyzed: 05/28/2024			
Chloride	55.0	0.500	mg/L	10.0	54.7	3.16	85-115	Low Bias	0.0129	20	
Sulfate	23.9	1.00	"	10.0	19.4	44.5	85-115	Low Bias	0.255	20	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41280 - Analysis Preparation											
Blank (BE41280-BLK1)											
										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L								
LCS (BE41280-BS1)											
										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	1.40	0.0500	mg/L				85-125				
Duplicate (BE41280-DUP1)											
*Source sample: 24E1150-01 (Duplicate)										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L		ND					15	
Matrix Spike (BE41280-MS1)											
*Source sample: 24E1150-01 (Matrix Spike)										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	12.4	0.0500	mg/L		ND		80-120				
Matrix Spike Dup (BE41280-MSD1)											
*Source sample: 24E1150-01 (Matrix Spike Dup)										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	12.6	0.0500	mg/L		ND		80-120		1.92	200	
Batch BE41653 - Analysis Preparation											
Duplicate (BE41653-DUP1)											
*Source sample: 24E1150-01 (Duplicate)										Prepared & Analyzed: 05/24/2024	
Alkalinity, total	34	2.0	mg/L		33				2.99	15	
Reference (BE41653-SRM1)											
										Prepared & Analyzed: 05/24/2024	
Alkalinity, total	96		mg/L	95.2		101	90-110				
Batch BE41654 - Analysis Preparation											
Blank (BE41654-BLK1)											
										Prepared & Analyzed: 05/24/2024	
Bicarbonate	ND	2.00	mg/L								



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41654 - Analysis Preparation

Duplicate (BE41654-DUP1)	*Source sample: 24E1150-01 (Duplicate)						Prepared & Analyzed: 05/24/2024				
Bicarbonate	34.0	2.00	mg/L		33.0				2.99	15	

Batch BE41761 - Analysis Preparation

Duplicate (BE41761-DUP1)	*Source sample: 24E1267-03 (EN6-S)						Prepared & Analyzed: 05/28/2024				
Alkalinity, total	16	2.0	mg/L		17				6.06	15	

Reference (BE41761-SRM1)							Prepared & Analyzed: 05/28/2024				
Alkalinity, total	96		mg/L	95.2		101	90-110				

Batch BE41762 - Analysis Preparation

Blank (BE41762-BLK1)							Prepared & Analyzed: 05/28/2024				
Bicarbonate	ND	2.00	mg/L								

Duplicate (BE41762-DUP1)	*Source sample: 24E1267-03 (EN6-S)						Prepared & Analyzed: 05/28/2024				
Bicarbonate	16.0	2.00	mg/L		17.0				6.06	15	



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41274 - % Solids Prep

Blank (BE41274-BLK1)

Prepared: 05/20/2024 Analyzed: 05/21/2024

Total Dissolved Solids ND 1.00 mg/L

Duplicate (BE41274-DUP1)

*Source sample: 24E1286-03 (Duplicate)

Prepared: 05/20/2024 Analyzed: 05/21/2024

Total Dissolved Solids 1340 1.00 mg/L 1340 0.00 15

Duplicate (BE41274-DUP2)

*Source sample: 24E1267-04 (EN6-M)

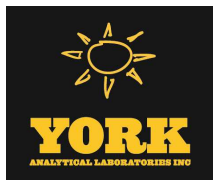
Prepared: 05/20/2024 Analyzed: 05/21/2024

Total Dissolved Solids 61.0 1.00 mg/L 55.0 10.3 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24E1267-01	CW1-M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1267-02	CW1-S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1267-03	EN6-S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1267-04	EN6-M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1267-05	Trip Blank-5 16 24	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).

Definitions and Other Explanations

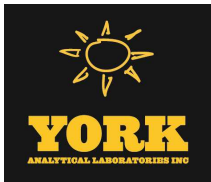
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



YORK Project Number 24E/261

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

[illegible]

Comments:

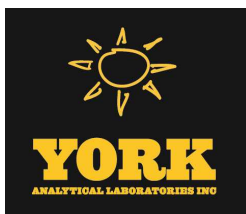
Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N	Containers Intact: Y / N	COC/Labels Agree: Y / N	Preservation Confirmed: Y / N
COC Complete: Y / N	COC Received: Y / N	Appropriate Sample Volumes: Y / N	Appropriate Sample Containers: Y / N
Cooler Temperature Confirmed: Y / N	Samples Submitted within Holding Times: Y / N	Corrective Action Form Required: Y / N	

Samples iced/chilled at time of lab pickup? circle Yes or No

Samples Relinquished by / Company	Date / Time	1. Samples Received by / Company	Date / Time	2. Samples Relinquished by / Company	Date / Time
Jeremy Samson	5/16/24 15:30	NY Daily York	5/17/24 10:49 AM	Wabash	5/17/24 16:58
Samples Received by / Company	Date / Time <td>3. Samples Relinquished by / Company</td> <td>Date / Time</td> <td>3. Samples Received by / Company</td> <td>Date / Time</td>	3. Samples Relinquished by / Company	Date / Time	3. Samples Received by / Company	Date / Time

Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time	Temperature
				ACG	5/17/24	59
					10:58	59



Technical Report

prepared for:

D&B Engineers and Architects, P.C.

330 Crossways Park Drive

Woodbury NY, 11797

Attention: Tom Fox

Report Date: 05/28/2024

Client Project ID: East Northport / 5629

York Project (SDG) No.: 24E1286

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/28/2024
Client Project ID: East Northport / 5629
York Project (SDG) No.: 24E1286

D&B Engineers and Architects, P.C.
330 Crossways Park Drive
Woodbury NY, 11797
Attention: Tom Fox

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 17, 2024 and listed below. The project was identified as your project: **East Northport / 5629**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24E1286-01	SW1	Surface Water	05/17/2024	05/17/2024
24E1286-02	SW2	Surface Water	05/17/2024	05/17/2024
24E1286-03	SW3	Surface Water	05/17/2024	05/17/2024
24E1286-04	SW4	Surface Water	05/17/2024	05/17/2024
24E1286-05	SW5	Surface Water	05/17/2024	05/17/2024
24E1286-06	SW6	Surface Water	05/17/2024	05/17/2024
24E1286-07	SW7	Surface Water	05/17/2024	05/17/2024
24E1286-08	Trip Blank _051724	Water	05/16/2024	05/17/2024

General Notes for York Project (SDG) No.: 24E1286

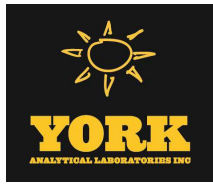
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: 

Cassie L. Mosher
Laboratory Manager

Date: 05/28/2024





Sample Information

Client Sample ID: SW1

York Sample ID: 24E1286-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1286

East Northport / 5629

Surface Water

May 17, 2024 8:45 am

05/17/2024

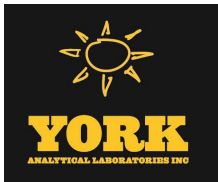
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB



Sample Information

Client Sample ID: SW1		York Sample ID: 24E1286-01			
York Project (SDG) No. 24E1286	Client Project ID East Northport / 5629	Matrix Surface Water	Collection Date/Time May 17, 2024 8:45 am	Date Received 05/17/2024	

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
127-18-4	Tetrachloroethylene	ND	QL-02, CCVE, ICVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 17:53	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/24/2024 08:00	05/24/2024 17:53	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	112 %	78-126							
2037-26-5	Surrogate: SURRE: Toluene-d8	96.6 %	84-117							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	112 %	71-130							

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	83.9		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005	05/24/2024 08:16	05/24/2024 17:55	AGNR

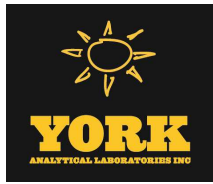
Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418			
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@			



Sample Information

Client Sample ID: SW1

York Sample ID: 24E1286-01

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 8:45 am

Date Received

05/17/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	66.0		mg/L	0.690	5.00	10	EPA 300.0	05/28/2024 12:53	05/28/2024 12:53	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	2.76		mg/L	0.0500	1	EPA 300.0	05/18/2024 01:15	05/18/2024 01:15	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	20.8		mg/L	1.00	1	EPA 300.0	05/18/2024 01:15	05/18/2024 01:15	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	40		mg/L	2.0	1	SM 2320B	05/28/2024 07:31	05/28/2024 14:46	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	0.0962		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Bicarbonate		40.0		mg/L	2.00	1	SM 2310B	05/28/2024 07:34	05/28/2024 14:48	VR
Certifications:										

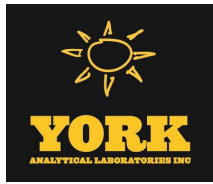
Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SW1

York Sample ID: 24E1286-01

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 8:45 am

Date Received

05/17/2024

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	239		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: SW2

York Sample ID: 24E1286-02

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 9:15 am

Date Received

05/17/2024

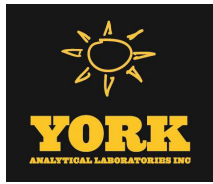
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:21	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		



Sample Information

Client Sample ID: SW2

York Sample ID: 24E1286-02

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 9:15 am

Date Received

05/17/2024

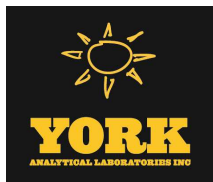
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
108-88-3	Toluene	0.68		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:21	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/24/2024 08:00	05/24/2024 18:21	SCB
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: SW2

York Sample ID: 24E1286-02

York Project (SDG) No.
24E1286

Client Project ID
East Northport / 5629

Matrix
Surface Water

Collection Date/Time
May 17, 2024 9:15 am

Date Received
05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %			78-126					
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			84-117					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	117 %			71-130					

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	158		mg/L	1.11	1	SM 2340B-2011	05/24/2024 08:16	05/24/2024 17:58	AGNR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	225		mg/L	0.690	5.00	10	EPA 300.0	05/28/2024 13:03	05/28/2024 13:03	NJO

Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	1.45		mg/L	0.0500	1	EPA 300.0	05/18/2024 01:26	05/18/2024 01:26	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	47.4		mg/L	10.0	10	EPA 300.0	05/28/2024 13:03	05/28/2024 13:03	NJO

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

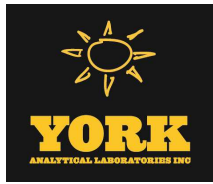
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	93		mg/L	2.0	1	SM 2320B	05/28/2024 07:31	05/28/2024 14:46	VR

Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04

Ammonia as NH3

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SW2

York Sample ID: 24E1286-02

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 9:15 am

Date Received

05/17/2024

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	0.138		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	93.0		mg/L	2.00	1	SM 2310B	05/28/2024 07:34	05/28/2024 14:48	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	539		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sample Information

Client Sample ID: SW3

York Sample ID: 24E1286-03

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 9:30 am

Date Received

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:50	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:50	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:50	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:50	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:50	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:50	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:50	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 18:50	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										



Sample Information

Client Sample ID: SW3

York Sample ID: 24E1286-03

York Project (SDG) No.
24E1286

Client Project ID
East Northport / 5629

Matrix
Surface Water

Collection Date/Time
May 17, 2024 9:30 am

Date Received
05/17/2024

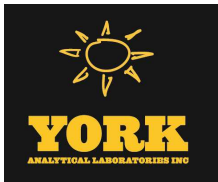
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB



Sample Information

Client Sample ID: SW3		York Sample ID: 24E1286-03			
York Project (SDG) No. 24E1286	Client Project ID East Northport / 5629	Matrix Surface Water	Collection Date/Time May 17, 2024 9:30 am	Date Received 05/17/2024	

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 18:50	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/24/2024 08:00	05/24/2024 18:50	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	71-130							

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	274		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005	05/24/2024 08:16	05/24/2024 18:01	AGNR

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	566		mg/L	6.90	50.0	100	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/28/2024 13:25	05/28/2024 13:25	NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.837		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/18/2024 01:36	05/18/2024 01:36	VR

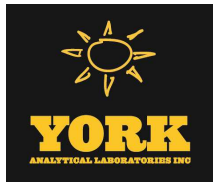
Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	100	100	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/28/2024 13:25	05/28/2024 13:25	NJO



Sample Information

Client Sample ID: SW3

York Sample ID: 24E1286-03

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 9:30 am

Date Received

05/17/2024

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	93		mg/L	2.0	1	SM 2320B	05/28/2024 07:31	05/28/2024 14:46	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	0.111		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	93.0		mg/L	2.00	1	SM 2310B	05/28/2024 07:34	05/28/2024 14:48	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	1340		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sample Information

Client Sample ID: SW4

York Sample ID: 24E1286-04

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 8:30 am

Date Received

05/17/2024

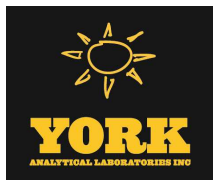
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 19:18	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 19:18	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/24/2024 19:18	SCB
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005										



Sample Information

Client Sample ID: SW4

York Sample ID: 24E1286-04

York Project (SDG) No.
24E1286

Client Project ID
East Northport / 5629

Matrix
Surface Water

Collection Date/Time
May 17, 2024 8:30 am

Date Received
05/17/2024

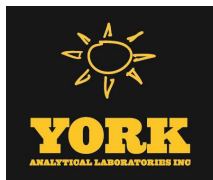
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB



Sample Information

Client Sample ID: SW4

York Sample ID: 24E1286-04

York Project (SDG) No.
24E1286

Client Project ID
East Northport / 5629

Matrix
Surface Water

Collection Date/Time
May 17, 2024 8:30 am

Date Received
05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
108-88-3	Toluene	1.0		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:18	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/24/2024 08:00	05/24/2024 19:18	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	111 %	78-126							
2037-26-5	Surrogate: SURRE: Toluene-d8	101 %	84-117							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	113 %	71-130							

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	88.0		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005	05/24/2024 08:16	05/24/2024 18:05	AGNR

Chloride

Log-in Notes:

Sample Notes:

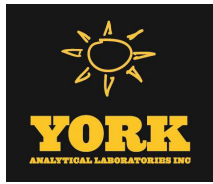
Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	86.9		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	05/28/2024 13:35	05/28/2024 13:35	NJO

Nitrate as N

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SW4

York Sample ID: 24E1286-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1286

East Northport / 5629

Surface Water

May 17, 2024 8:30 am

05/17/2024

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	2.77		mg/L	0.0500	1	EPA 300.0	05/18/2024 01:47	05/18/2024 01:47	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	22.3		mg/L	1.00	1	EPA 300.0	05/18/2024 01:47	05/18/2024 01:47	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	44		mg/L	2.0	1	SM 2320B	05/28/2024 07:31	05/28/2024 14:46	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	0.0918		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	44.0		mg/L	2.00	1	SM 2310B	05/28/2024 07:34	05/28/2024 14:48	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	277		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sample Information

Client Sample ID: SW5

York Sample ID: 24E1286-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

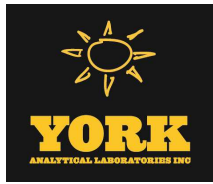
24E1286

East Northport / 5629

Surface Water

May 17, 2024 9:45 am

05/17/2024



Sample Information

Client Sample ID: SW5

York Sample ID: 24E1286-05

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 9:45 am

Date Received

05/17/2024

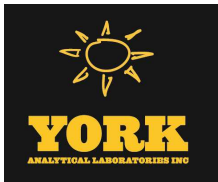
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB



Sample Information

Client Sample ID: SW5		York Sample ID: 24E1286-05			
York Project (SDG) No. 24E1286	Client Project ID East Northport / 5629	Matrix Surface Water	Collection Date/Time May 17, 2024 9:45 am	Date Received 05/17/2024	

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
108-88-3	Toluene	1.3		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 19:46	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/24/2024 08:00	05/24/2024 19:46	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	108 %	78-126							
2037-26-5	Surrogate: SURRE: Toluene-d8	101 %	84-117							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	114 %	71-130							

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	84.1		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005	05/24/2024 08:16	05/24/2024 18:08	AGNR

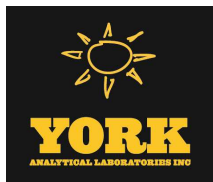
Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418			
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@			



Sample Information

Client Sample ID: SW5

York Sample ID: 24E1286-05

York Project (SDG) No.
24E1286

Client Project ID
East Northport / 5629

Matrix
Surface Water

Collection Date/Time
May 17, 2024 9:45 am

Date Received
05/17/2024

16887-00-6 Chloride 61.5 mg/L 0.690 5.00 10 EPA 300.0 05/28/2024 14:06 05/28/2024 14:06 NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	2.02		mg/L	0.0500	1	EPA 300.0	05/18/2024 01:58	05/18/2024 01:58	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	05/18/2024 01:58	05/18/2024 01:58	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	51		mg/L	2.0	1	SM 2320B	05/28/2024 07:31	05/28/2024 14:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	0.148		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
							Certifications:			

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	51.0		mg/L	2.00	1	SM 2310B	05/28/2024 07:34	05/28/2024 14:48	VR
							Certifications:			

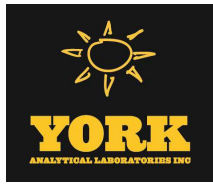
Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	230		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: SW6

York Sample ID: 24E1286-06

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 10:30 am

Date Received

05/17/2024

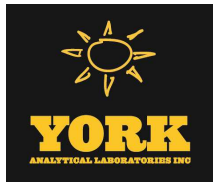
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB



Sample Information

Client Sample ID: SW6

York Sample ID: 24E1286-06

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 10:30 am

Date Received

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 23:59	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/24/2024 08:00	05/24/2024 23:59	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	116 %	71-130							

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	60.4		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005	05/24/2024 08:16	05/24/2024 18:11	AGNR

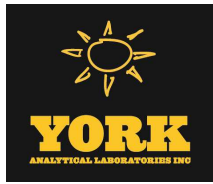
Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SW6

York Sample ID: 24E1286-06

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 10:30 am

Date Received

05/17/2024

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	96.4		mg/L	0.690	5.00	10	EPA 300.0	05/28/2024 13:55	05/28/2024 13:55	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.796		mg/L	0.0500	1	EPA 300.0	05/18/2024 02:08	05/18/2024 02:08	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	13.2		mg/L	1.00	1	EPA 300.0	05/18/2024 02:08	05/18/2024 02:08	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	60		mg/L	2.0	1	SM 2320B	05/28/2024 07:31	05/28/2024 14:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	0.578		mg/L	0.0500	1	SM 4500-NH3 D	05/20/2024 10:00	05/20/2024 11:15	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	60.0		mg/L	2.00	1	SM 2310B	05/28/2024 07:34	05/28/2024 14:48	VR
Certifications:										

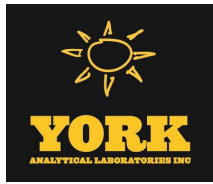
Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SW6

York Sample ID: 24E1286-06

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 10:30 am

Date Received

05/17/2024

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	263		mg/L	1.00	1	SM 2540C-2015	05/20/2024 07:03	05/21/2024 15:35	PMB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: SW7

York Sample ID: 24E1286-07

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 8:00 am

Date Received

05/17/2024

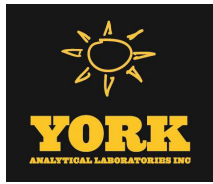
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1	05/24/2024 08:00	05/25/2024 00:27	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		



Sample Information

Client Sample ID: SW7

York Sample ID: 24E1286-07

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 8:00 am

Date Received

05/17/2024

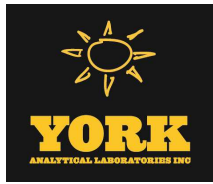
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND	CCVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/25/2024 00:27	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/24/2024 08:00	05/25/2024 00:27	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	78-126							



Sample Information

Client Sample ID: SW7

York Sample ID: 24E1286-07

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 8:00 am

Date Received

05/17/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			84-117					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %			71-130					

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	3940		mg/L	1.11	1	SM 2340B-2011	05/24/2024 08:16	05/24/2024 18:14	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	14.1		mg/L	0.0690	0.500	1	EPA 300.0	05/18/2024 09:13	05/18/2024 09:13	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.353		mg/L	0.0500	1	EPA 300.0	05/18/2024 09:13	05/18/2024 09:13	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.		Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate		ND		mg/L	1.00	1	EPA 300.0	05/18/2024 09:13	05/18/2024 09:13	VR
								Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	88		mg/L	2.0	1	SM 2320B	05/28/2024 07:31	05/28/2024 14:46	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

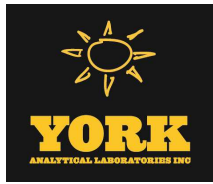
Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SW7

York Sample ID: 24E1286-07

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Surface Water

Collection Date/Time

May 17, 2024 8:00 am

Date Received

05/17/2024

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	ND		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/20/2024 10:00	05/20/2024 11:15	TCD

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	88.0		mg/L	2.00	1	SM 2310B Certifications:	05/28/2024 07:34	05/28/2024 14:48	VR

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	21500		mg/L	1.00	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/20/2024 07:03	05/21/2024 15:35	PMB

Sample Information

Client Sample ID: Trip Blank _051724

York Sample ID: 24E1286-08

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Water

Collection Date/Time

May 16, 2024 2:35 pm

Date Received

05/17/2024

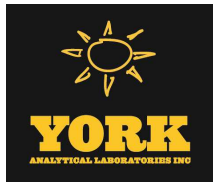
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB



Sample Information

Client Sample ID: Trip Blank _051724

York Sample ID: 24E1286-08

York Project (SDG) No.

24E1286

Client Project ID

East Northport / 5629

Matrix

Water

Collection Date/Time

May 16, 2024 2:35 pm

Date Received

05/17/2024

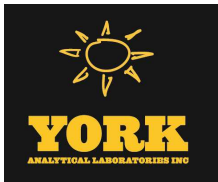
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB



Sample Information

Client Sample ID: Trip Blank _051724			York Sample ID: 24E1286-08		
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24E1286	East Northport / 5629	Water	May 16, 2024 2:35 pm	05/17/2024	

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/24/2024 08:00	05/24/2024 13:02	SCB
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/24/2024 08:00	05/24/2024 13:02	SCB
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	110 %	78-126							
2037-26-5	Surrogate: SURRE: Toluene-d8	102 %	84-117							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	114 %	71-130							



Analytical Batch Summary

Batch ID: BE41274

Preparation Method: % Solids Prep

Prepared By: PMB

YORK Sample ID	Client Sample ID	Preparation Date
24E1286-01	SW1	05/20/24
24E1286-02	SW2	05/20/24
24E1286-03	SW3	05/20/24
24E1286-04	SW4	05/20/24
24E1286-05	SW5	05/20/24
24E1286-06	SW6	05/20/24
24E1286-07	SW7	05/20/24
BE41274-BLK1	Blank	05/20/24
BE41274-DUP1	Duplicate	05/20/24
BE41274-DUP2	Duplicate	05/20/24
BE41274-MRL1	MRL Check	05/20/24

Batch ID: BE41280

Preparation Method: Analysis Preparation

Prepared By: TCD

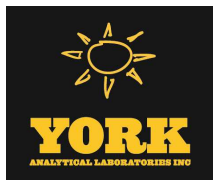
YORK Sample ID	Client Sample ID	Preparation Date
24E1286-01	SW1	05/20/24
24E1286-02	SW2	05/20/24
24E1286-03	SW3	05/20/24
24E1286-04	SW4	05/20/24
24E1286-05	SW5	05/20/24
24E1286-06	SW6	05/20/24
24E1286-07	SW7	05/20/24
BE41280-BLK1	Blank	05/20/24
BE41280-BS1	LCS	05/20/24
BE41280-DUP1	Duplicate	05/20/24
BE41280-MS1	Matrix Spike	05/20/24
BE41280-MSD1	Matrix Spike Dup	05/20/24

Batch ID: BE41286

Preparation Method: EPA 300

Prepared By: VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1286-01	SW1	05/18/24
24E1286-02	SW2	05/18/24
24E1286-03	SW3	05/18/24
24E1286-04	SW4	05/18/24
24E1286-05	SW5	05/18/24
24E1286-06	SW6	05/18/24
BE41286-BLK1	Blank	05/17/24
BE41286-BS1	LCS	05/18/24
BE41286-DUP1	Duplicate	05/17/24
BE41286-DUP2	Duplicate	05/18/24
BE41286-MS1	Matrix Spike	05/17/24
BE41286-MS2	Matrix Spike	05/18/24
BE41286-MSD1	Matrix Spike Dup	05/17/24
BE41286-MSD2	Matrix Spike Dup	05/18/24



Batch ID: BE41288

Preparation Method: EPA 300

Prepared By: VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1286-07	SW7	05/18/24
BE41288-BLK1	Blank	05/18/24
BE41288-BS1	LCS	05/18/24
BE41288-DUP1	Duplicate	05/18/24
BE41288-MS1	Matrix Spike	05/18/24
BE41288-MSD1	Matrix Spike Dup	05/18/24

Batch ID: BE41321

Preparation Method: EPA 5030B

Prepared By: FO

YORK Sample ID	Client Sample ID	Preparation Date
24E1286-01	SW1	05/24/24
24E1286-02	SW2	05/24/24
24E1286-03	SW3	05/24/24
24E1286-04	SW4	05/24/24
24E1286-05	SW5	05/24/24
24E1286-08	Trip Blank _051724	05/24/24
BE41321-BLK1	Blank	05/24/24
BE41321-BS1	LCS	05/24/24
BE41321-BSD1	LCS Dup	05/24/24

Batch ID: BE41670

Preparation Method: EPA 3015A

Prepared By: AD2

YORK Sample ID	Client Sample ID	Preparation Date
24E1286-01	SW1	05/24/24
24E1286-02	SW2	05/24/24
24E1286-03	SW3	05/24/24
24E1286-04	SW4	05/24/24
24E1286-05	SW5	05/24/24
24E1286-06	SW6	05/24/24
24E1286-07	SW7	05/24/24
BE41670-BLK1	Blank	05/24/24
BE41670-DUP1	Duplicate	05/24/24

Batch ID: BE41726

Preparation Method: EPA 5030B

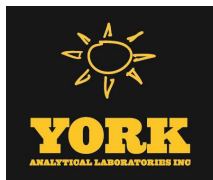
Prepared By: SCB

YORK Sample ID	Client Sample ID	Preparation Date
24E1286-06	SW6	05/24/24
24E1286-07	SW7	05/24/24
BE41726-BLK1	Blank	05/24/24
BE41726-BS1	LCS	05/24/24
BE41726-BSD1	LCS Dup	05/24/24

Batch ID: BE41761

Preparation Method: Analysis Preparation

Prepared By: VR



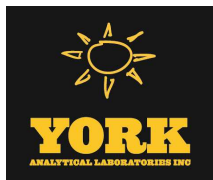
YORK Sample ID	Client Sample ID	Preparation Date
24E1286-01	SW1	05/28/24
24E1286-02	SW2	05/28/24
24E1286-03	SW3	05/28/24
24E1286-04	SW4	05/28/24
24E1286-05	SW5	05/28/24
24E1286-06	SW6	05/28/24
24E1286-07	SW7	05/28/24
BE41761-DUP1	Duplicate	05/28/24
BE41761-SRM1	Reference	05/28/24

Batch ID: BE41762 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1286-01	SW1	05/28/24
24E1286-02	SW2	05/28/24
24E1286-03	SW3	05/28/24
24E1286-04	SW4	05/28/24
24E1286-05	SW5	05/28/24
24E1286-06	SW6	05/28/24
24E1286-07	SW7	05/28/24
BE41762-BLK1	Blank	05/28/24
BE41762-DUP1	Duplicate	05/28/24

Batch ID: BE41849 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24E1286-01	SW1	05/28/24
24E1286-02	SW2	05/28/24
24E1286-03	SW3	05/28/24
24E1286-04	SW4	05/28/24
24E1286-05	SW5	05/28/24
24E1286-06	SW6	05/28/24
BE41849-BLK1	Blank	05/28/24
BE41849-BS1	LCS	05/28/24
BE41849-DUP1	Duplicate	05/28/24
BE41849-DUP2	Duplicate	05/28/24
BE41849-MS1	Matrix Spike	05/28/24
BE41849-MSD1	Matrix Spike Dup	05/28/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

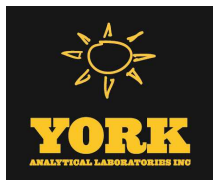
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41321 - EPA 5030B

Blank (BE41321-BLK1)

Prepared & Analyzed: 05/24/2024

1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2-Chloroethylvinyl ether	ND	20	"								
Benzene	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methylene chloride	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
1,2,3-Trimethylbenzene	ND	0.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.9		"	10.0		109	78-126				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	84-117				
Surrogate: SURR: p-Bromofluorobenzene	11.8		"	10.0		118	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

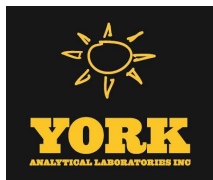
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41321 - EPA 5030B

LCS (BE41321-BS1)

Prepared & Analyzed: 05/24/2024

1,1,1-Trichloroethane	11.0		ug/L	10.0		110	75-125				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	60-140				
1,1,2-Trichloroethane	10.2		"	10.0		102	71-129				
1,1-Dichloroethane	10.0		"	10.0		100	72-128				
1,1-Dichloroethylene	11.1		"	10.0		111	50-150				
1,2-Dichlorobenzene	10.4		"	10.0		104	63-137				
1,2-Dichloroethane	10.4		"	10.0		104	68-132				
1,2-Dichloropropane	10.4		"	10.0		104	34-166				
1,3-Dichlorobenzene	10.7		"	10.0		107	73-127				
1,4-Dichlorobenzene	10.5		"	10.0		105	63-137				
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias			
Benzene	11.2		"	10.0		112	64-136				
Bromodichloromethane	10.4		"	10.0		104	65-135				
Bromoform	9.77		"	10.0		97.7	71-129				
Bromomethane	17.2		"	10.0		172	14-186				
Carbon tetrachloride	11.2		"	10.0		112	73-127				
Chlorobenzene	11.0		"	10.0		110	66-134				
Chloroethane	19.8		"	10.0		198	38-162	High Bias			
Chloroform	10.3		"	10.0		103	67-133				
Chloromethane	9.33		"	10.0		93.3	0.5-204				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	70-130				
cis-1,3-Dichloropropylene	9.62		"	10.0		96.2	24-176				
Dibromochloromethane	9.93		"	10.0		99.3	67-133				
Ethyl Benzene	12.2		"	10.0		122	59-141				
Methylene chloride	9.12		"	10.0		91.2	60-140				
o-Xylene	12.1		"	10.0		121	70-130				
p- & m- Xylenes	25.0		"	20.0		125	70-130				
Tetrachloroethylene	5.11		"	10.0		51.1	73-127	Low Bias			
Toluene	11.3		"	10.0		113	74-126				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	69-131				
trans-1,3-Dichloropropylene	9.67		"	10.0		96.7	50-150				
Trichloroethylene	9.89		"	10.0		98.9	66-134				
Trichlorofluoromethane	19.1		"	10.0		191	48-152	High Bias			
Vinyl Chloride	15.0		"	10.0		150	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.0		"	10.0		100	78-126				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.61		"	10.0		96.1	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41321 - EPA 5030B

LCS Dup (BE41321-BSD1)

Prepared & Analyzed: 05/24/2024

1,1,1-Trichloroethane	11.4		ug/L	10.0		114	75-125		3.92	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	60-140		6.86	30	
1,1,2-Trichloroethane	10.7		"	10.0		107	71-129		5.08	30	
1,1-Dichloroethane	10.3		"	10.0		103	72-128		2.46	30	
1,1-Dichloroethylene	11.2		"	10.0		112	50-150		1.17	30	
1,2-Dichlorobenzene	10.5		"	10.0		105	63-137		1.05	30	
1,2-Dichloroethane	11.0		"	10.0		110	68-132		5.14	30	
1,2-Dichloropropane	10.2		"	10.0		102	34-166		1.85	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	73-127		0.187	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	63-137		0.570	30	
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias		30	
Benzene	11.4		"	10.0		114	64-136		2.04	30	
Bromodichloromethane	10.5		"	10.0		105	65-135		0.768	30	
Bromoform	10.2		"	10.0		102	71-129		4.01	30	
Bromomethane	16.4		"	10.0		164	14-186		5.12	30	
Carbon tetrachloride	11.6		"	10.0		116	73-127		3.87	30	
Chlorobenzene	10.9		"	10.0		109	66-134		0.916	30	
Chloroethane	18.8		"	10.0		188	38-162	High Bias	5.13	30	
Chloroform	10.5		"	10.0		105	67-133		1.64	30	
Chloromethane	8.72		"	10.0		87.2	0.5-204		6.76	30	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	70-130		4.37	30	
cis-1,3-Dichloropropylene	9.69		"	10.0		96.9	24-176		0.725	30	
Dibromochloromethane	10.4		"	10.0		104	67-133		4.24	30	
Ethyl Benzene	12.0		"	10.0		120	59-141		1.74	30	
Methylene chloride	9.53		"	10.0		95.3	60-140		4.40	30	
o-Xylene	11.9		"	10.0		119	70-130		1.33	30	
p- & m- Xylenes	24.8		"	20.0		124	70-130		0.764	30	
Tetrachloroethylene	5.05		"	10.0		50.5	73-127	Low Bias	1.18	30	
Toluene	11.2		"	10.0		112	74-126		1.42	30	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	69-131		2.56	30	
trans-1,3-Dichloropropylene	9.86		"	10.0		98.6	50-150		1.95	30	
Trichloroethylene	9.90		"	10.0		99.0	66-134		0.101	30	
Trichlorofluoromethane	18.6		"	10.0		186	48-152	High Bias	2.81	30	
Vinyl Chloride	13.8		"	10.0		138	4-196		8.39	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	78-126				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.63		"	10.0		96.3	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41726 - EPA 5030B

Blank (BE41726-BLK1)

Prepared & Analyzed: 05/24/2024

1,1,1-Trichloroethane	ND	0.50	ug/L
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2-Chloroethylvinyl ether	ND	20	"
Benzene	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Methylene chloride	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"
1,2,3-Trimethylbenzene	ND	0.50	"

Surrogate: SURR: 1,2-Dichloroethane-d4	11.1	"	10.0	111	78-126
Surrogate: SURR: Toluene-d8	10.0	"	10.0	100	84-117
Surrogate: SURR: p-Bromofluorobenzene	11.4	"	10.0	114	71-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41726 - EPA 5030B

LCS (BE41726-BS1)

Prepared & Analyzed: 05/24/2024

1,1,1-Trichloroethane	12.3		ug/L	10.0		123	75-125				
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112	60-140				
1,1,2-Trichloroethane	10.5		"	10.0		105	71-129				
1,1-Dichloroethane	10.2		"	10.0		102	72-128				
1,1-Dichloroethylene	10.8		"	10.0		108	50-150				
1,2-Dichlorobenzene	10.9		"	10.0		109	63-137				
1,2-Dichloroethane	11.6		"	10.0		116	68-132				
1,2-Dichloropropane	9.41		"	10.0		94.1	34-166				
1,3-Dichlorobenzene	10.9		"	10.0		109	73-127				
1,4-Dichlorobenzene	10.9		"	10.0		109	63-137				
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias			
Benzene	11.4		"	10.0		114	64-136				
Bromodichloromethane	10.4		"	10.0		104	65-135				
Bromoform	10.6		"	10.0		106	71-129				
Bromomethane	11.4		"	10.0		114	14-186				
Carbon tetrachloride	12.7		"	10.0		127	73-127				
Chlorobenzene	11.0		"	10.0		110	66-134				
Chloroethane	17.1		"	10.0		171	38-162	High Bias			
Chloroform	11.2		"	10.0		112	67-133				
Chloromethane	8.02		"	10.0		80.2	0.5-204				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	70-130				
cis-1,3-Dichloropropylene	9.74		"	10.0		97.4	24-176				
Dibromochloromethane	10.7		"	10.0		107	67-133				
Ethyl Benzene	11.9		"	10.0		119	59-141				
Methylene chloride	9.02		"	10.0		90.2	60-140				
o-Xylene	12.1		"	10.0		121	70-130				
p- & m- Xylenes	24.1		"	20.0		121	70-130				
Tetrachloroethylene	5.36		"	10.0		53.6	73-127	Low Bias			
Toluene	10.8		"	10.0		108	74-126				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	69-131				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	50-150				
Trichloroethylene	9.78		"	10.0		97.8	66-134				
Trichlorofluoromethane	21.6		"	10.0		216	48-152	High Bias			
Vinyl Chloride	15.0		"	10.0		150	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	78-126				
Surrogate: SURR: Toluene-d8	9.70		"	10.0		97.0	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.60		"	10.0		96.0	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

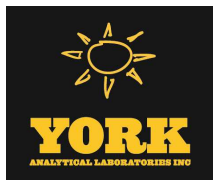
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41726 - EPA 5030B

LCS Dup (BE41726-BSD1)

Prepared & Analyzed: 05/24/2024

1,1,1-Trichloroethane	12.3		ug/L	10.0		123	75-125		0.243	30
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	60-140		5.70	30
1,1,2-Trichloroethane	10.4		"	10.0		104	71-129		1.15	30
1,1-Dichloroethane	10.1		"	10.0		101	72-128		0.197	30
1,1-Dichloroethylene	13.0		"	10.0		130	50-150		18.2	30
1,2-Dichlorobenzene	10.6		"	10.0		106	63-137		2.60	30
1,2-Dichloroethane	11.3		"	10.0		113	68-132		3.06	30
1,2-Dichloropropane	9.50		"	10.0		95.0	34-166		0.952	30
1,3-Dichlorobenzene	10.8		"	10.0		108	73-127		1.01	30
1,4-Dichlorobenzene	10.4		"	10.0		104	63-137		4.22	30
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias		30
Benzene	11.3		"	10.0		113	64-136		1.05	30
Bromodichloromethane	10.4		"	10.0		104	65-135		0.769	30
Bromoform	10.0		"	10.0		100	71-129		5.70	30
Bromomethane	12.3		"	10.0		123	14-186		7.79	30
Carbon tetrachloride	12.7		"	10.0		127	73-127		0.394	30
Chlorobenzene	11.1		"	10.0		111	66-134		0.725	30
Chloroethane	16.7		"	10.0		167	38-162	High Bias	2.19	30
Chloroform	11.0		"	10.0		110	67-133		1.80	30
Chloromethane	8.17		"	10.0		81.7	0.5-204		1.85	30
cis-1,2-Dichloroethylene	10.7		"	10.0		107	70-130		0.00	30
cis-1,3-Dichloropropylene	9.79		"	10.0		97.9	24-176		0.512	30
Dibromochloromethane	10.6		"	10.0		106	67-133		1.69	30
Ethyl Benzene	11.9		"	10.0		119	59-141		0.420	30
Methylene chloride	8.78		"	10.0		87.8	60-140		2.70	30
o-Xylene	12.1		"	10.0		121	70-130		0.165	30
p- & m- Xylenes	24.2		"	20.0		121	70-130		0.496	30
Tetrachloroethylene	5.47		"	10.0		54.7	73-127	Low Bias	2.03	30
Toluene	11.1		"	10.0		111	74-126		2.46	30
trans-1,2-Dichloroethylene	10.5		"	10.0		105	69-131		0.664	30
trans-1,3-Dichloropropylene	10.1		"	10.0		101	50-150		1.77	30
Trichloroethylene	10.0		"	10.0		100	66-134		2.22	30
Trichlorofluoromethane	22.2		"	10.0		222	48-152	High Bias	2.65	30
Vinyl Chloride	15.3		"	10.0		153	4-196		1.52	30
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	78-126			
Surrogate: SURR: Toluene-d8	9.92		"	10.0		99.2	84-117			
Surrogate: SURR: p-Bromofluorobenzene	9.32		"	10.0		93.2	71-130			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41670 - EPA 3015A

Blank (BE41670-BLK1)

Prepared & Analyzed: 05/24/2024

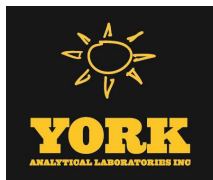
Hardness, Total ND 1.11 mg/L

Duplicate (BE41670-DUP1)

*Source sample: 24E1374-01 (Duplicate)

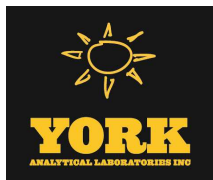
Prepared & Analyzed: 05/24/2024

Hardness, Total ND 1.11 mg/L 105 20



Anions by Ion Chromatography - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41286 - EPA 300											
Blank (BE41286-BLK1)											
						Prepared & Analyzed: 05/17/2024					
Nitrate as N	ND	0.0500	mg/L								
Sulfate	ND	1.00	"								
LCS (BE41286-BS1)											
						Prepared & Analyzed: 05/18/2024					
Nitrate as N	9.83	0.0500	mg/L	10.0		98.3	90-110				
Sulfate	9.52	1.00	"	10.0		95.2	85-115				
Duplicate (BE41286-DUP1)											
*Source sample: 24E1267-01 (Duplicate)						Prepared & Analyzed: 05/17/2024					
Nitrate as N	0.106	0.0500	mg/L		0.108				1.96	15	
Sulfate	48.8	1.00	"		54.2				10.5	15	
Duplicate (BE41286-DUP2)											
*Source sample: 24E1267-02 (Duplicate)						Prepared & Analyzed: 05/18/2024					
Nitrate as N	0.118	0.0500	mg/L		0.126				6.39	15	
Sulfate	32.0	1.00	"		32.0				0.00407	15	
Matrix Spike (BE41286-MS1)											
*Source sample: 24E1267-01 (Matrix Spike)						Prepared & Analyzed: 05/17/2024					
Nitrate as N	9.38	0.0500	mg/L	10.0	0.108	92.7	90-110				
Sulfate	51.5	1.00	"	10.0	54.2	NR	85-115	Low Bias			
Matrix Spike (BE41286-MS2)											
*Source sample: 24E1267-02 (Matrix Spike)						Prepared & Analyzed: 05/18/2024					
Nitrate as N	8.84	0.0500	mg/L	10.0	0.126	87.2	90-110	Low Bias			
Sulfate	36.5	1.00	"	10.0	32.0	45.5	85-115	Low Bias			
Matrix Spike Dup (BE41286-MSD1)											
*Source sample: 24E1267-01 (Matrix Spike Dup)						Prepared & Analyzed: 05/17/2024					
Nitrate as N	9.46	0.0500	mg/L	10.0	0.108	93.5	90-110		0.845	200	
Sulfate	51.8	1.00	"	10.0	54.2	NR	85-115	Low Bias	0.643	20	
Matrix Spike Dup (BE41286-MSD2)											
*Source sample: 24E1267-02 (Matrix Spike Dup)						Prepared & Analyzed: 05/18/2024					
Nitrate as N	8.87	0.0500	mg/L	10.0	0.126	87.5	90-110	Low Bias	0.341	200	
Sulfate	36.5	1.00	"	10.0	32.0	45.0	85-115	Low Bias	0.117	20	



Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41288 - EPA 300

Blank (BE41288-BLK1)

Prepared & Analyzed: 05/18/2024

Chloride	ND	0.500	mg/L
Nitrate as N	ND	0.0500	"
Sulfate	ND	1.00	"

LCS (BE41288-BS1)

Prepared & Analyzed: 05/18/2024

Chloride	9.30	0.500	mg/L	10.0	93.0	90-110
Nitrate as N	9.80	0.0500	"	10.0	98.0	90-110
Sulfate	9.63	1.00	"	10.0	96.3	85-115

Duplicate (BE41288-DUP1)

*Source sample: 24E1287-01 (Duplicate)

Prepared & Analyzed: 05/18/2024

Chloride	39.6	0.500	mg/L	39.5	0.106	15
Nitrate as N	1.31	0.0500	"	1.30	0.902	15
Sulfate	14.5	1.00	"	14.2	1.82	15

Matrix Spike (BE41288-MS1)

*Source sample: 24E1287-01 (Matrix Spike)

Prepared & Analyzed: 05/18/2024

Chloride	42.6	0.500	mg/L	10.0	39.5	30.5	85-115	Low Bias
Nitrate as N	10.6	0.0500	"	10.0	1.30	92.9	90-110	
Sulfate	21.2	1.00	"	10.0	14.2	69.4	85-115	Low Bias

Matrix Spike Dup (BE41288-MSD1)

*Source sample: 24E1287-01 (Matrix Spike Dup)

Prepared & Analyzed: 05/18/2024

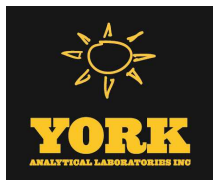
Chloride	42.4	0.500	mg/L	10.0	39.5	29.2	85-115	Low Bias	0.314	20
Nitrate as N	10.4	0.0500	"	10.0	1.30	91.2	90-110		1.57	200
Sulfate	21.1	1.00	"	10.0	14.2	68.6	85-115	Low Bias	0.385	20

Batch BE41849 - EPA 300

Blank (BE41849-BLK1)

Prepared & Analyzed: 05/28/2024

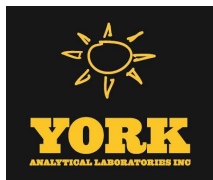
Chloride	ND	0.500	mg/L
Sulfate	ND	1.00	"



Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41849 - EPA 300											
LCS (BE41849-BS1)						Prepared & Analyzed: 05/28/2024					
Chloride	9.30	0.500	mg/L	10.0		93.0	90-110				
Sulfate	9.88	1.00	"	10.0		98.8	85-115				
Duplicate (BE41849-DUP1)						*Source sample: 24E1299-01 (Duplicate) Prepared & Analyzed: 05/28/2024					
Chloride	54.8	0.500	mg/L		54.7				0.219	15	
Sulfate	19.6	1.00	"		19.4				0.884	15	
Duplicate (BE41849-DUP2)						*Source sample: 24E1267-01 (Duplicate) Prepared & Analyzed: 05/28/2024					
Chloride	20.9	5.00	mg/L		22.0				5.25	15	
Sulfate	54.4	10.0	"		54.2				0.341	15	
Matrix Spike (BE41849-MS1)						*Source sample: 24E1299-01 (Matrix Spike) Prepared & Analyzed: 05/28/2024					
Chloride	55.0	0.500	mg/L	10.0	54.7	3.08	85-115	Low Bias			
Sulfate	23.9	1.00	"	10.0	19.4	45.1	85-115	Low Bias			
Matrix Spike Dup (BE41849-MSD1)						*Source sample: 24E1299-01 (Matrix Spike Dup) Prepared & Analyzed: 05/28/2024					
Chloride	55.0	0.500	mg/L	10.0	54.7	3.16	85-115	Low Bias	0.0129	20	
Sulfate	23.9	1.00	"	10.0	19.4	44.5	85-115	Low Bias	0.255	20	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41280 - Analysis Preparation											
Blank (BE41280-BLK1)											
										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L								
LCS (BE41280-BS1)											
										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	1.40	0.0500	mg/L				85-125				
Duplicate (BE41280-DUP1)											
*Source sample: 24E1150-01 (Duplicate)										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L		ND					15	
Matrix Spike (BE41280-MS1)											
*Source sample: 24E1150-01 (Matrix Spike)										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	12.4	0.0500	mg/L		ND		80-120				
Matrix Spike Dup (BE41280-MSD1)											
*Source sample: 24E1150-01 (Matrix Spike Dup)										Prepared & Analyzed: 05/20/2024	
Ammonia Nitrogen as NH3	12.6	0.0500	mg/L		ND		80-120		1.92	200	
Batch BE41761 - Analysis Preparation											
Duplicate (BE41761-DUP1)											
*Source sample: 24E1267-03 (Duplicate)										Prepared & Analyzed: 05/28/2024	
Alkalinity, total	16	2.0	mg/L		17				6.06	15	
Reference (BE41761-SRM1)											
										Prepared & Analyzed: 05/28/2024	
Alkalinity, total	96		mg/L	95.2		101	90-110				
Batch BE41762 - Analysis Preparation											
Blank (BE41762-BLK1)											
										Prepared & Analyzed: 05/28/2024	
Bicarbonate	ND	2.00	mg/L								



Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41762 - Analysis Preparation

Duplicate (BE41762-DUP1)		*Source sample: 24E1267-03 (Duplicate)						Prepared & Analyzed: 05/28/2024			
Bicarbonate	16.0	2.00	mg/L		17.0				6.06	15	



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41274 - % Solids Prep

Blank (BE41274-BLK1)

Prepared: 05/20/2024 Analyzed: 05/21/2024

Total Dissolved Solids ND 1.00 mg/L

Duplicate (BE41274-DUP1)

*Source sample: 24E1286-03 (SW3)

Prepared: 05/20/2024 Analyzed: 05/21/2024

Total Dissolved Solids 1340 1.00 mg/L 1340 0.00 15

Duplicate (BE41274-DUP2)

*Source sample: 24E1267-04 (Duplicate)

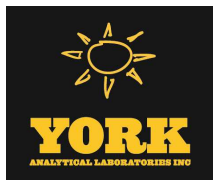
Prepared: 05/20/2024 Analyzed: 05/21/2024

Total Dissolved Solids 61.0 1.00 mg/L 55.0 10.3 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24E1286-01	SW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1286-02	SW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1286-03	SW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1286-04	SW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1286-05	SW5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1286-06	SW6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1286-07	SW7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1286-08	Trip Blank _051724	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

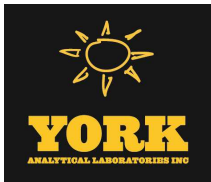
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK

Report To:		Invoice To:		YOUR Project Name / Number		Samples Collected From		Turn-Around Time	
Company: D+B Engineers	Address: 330 Crossways Park Dr Woodbury, NY 11797	Company: East Northup 4 / 5629	Address: PO Number 5629	NY	CT	PA	Other: (please specify)	RUSH - Next Day	
Phone: 516-364-9890	Contact: Tom Fox			NJ				RUSH - Two Day	
E-mail: tfox@dbeng.com								RUSH - Three Day	
								RUSH - Four Day	
								RUSH - Five Day	
								Standard (6-9 Day)	
								PFAS Standard 7-10 Day	

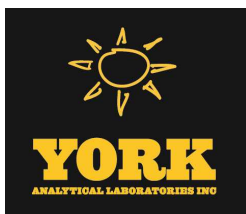
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Jeremy Samson
jeremy.samson@yorklab.com

Sample Identification	Date	Time	Matrix	Matrix Codes	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO ₃ (nitric acid)	H ₂ SO ₄ (sulfuric acid)	NaOH (sodium hydroxide)	Na ₂ O ₃ (sodium thio)	Trizma	Ammonium Acetate	Other:
SW1	5/17/24	8:45	SW	S - soil/solid/sludge										
SW2	5/17/24	9:15	SW	GW - groundwater										
SW3	5/17/24	9:30	SW	DW - drinking water										
SW4	5/17/24	8:30	SW	SW - surface water										
SW5	5/17/24	9:45	SW	WW - wastewater										
SW6	5/17/24	10:30	SW	O - Oil										
SW7	5/17/24	8:00	SW	Other										
Trip Blank - 5/17/24														

Comments:	Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N
	Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N
	COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N
	Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	2. Samples Relinquished by / Company	3. Samples Relinquished by / Company	4. Samples Relinquished by / Company
Jeremy Samson 5/17/24 1435	5/17/24 1435 3:26	5/17/24 1435 3:26	5/17/24 1435 3:26
Ramon Duran 5/17/24 1800	5/17/24 1800	5/17/24 1800	5/17/24 1800
Samples Received in LAB by	Samples Received in LAB by	Samples Received in LAB by	Samples Received in LAB by
5/17/24 20:30	5/17/24 20:30	5/17/24 20:30	5/17/24 20:30
Temperature	Temperature	Temperature	Temperature
55.0	55.0	55.0	55.0



Technical Report

prepared for:

D&B Engineers and Architects, P.C.

330 Crossways Park Drive

Woodbury NY, 11797

Attention: Tom Fox

Report Date: 05/30/2024

Client Project ID: East Northport/5629

York Project (SDG) No.: 24E1374

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/30/2024
Client Project ID: East Northport/5629
York Project (SDG) No.: 24E1374

D&B Engineers and Architects, P.C.
330 Crossways Park Drive
Woodbury NY, 11797
Attention: Tom Fox

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 21, 2024 and listed below. The project was identified as your project: **East Northport/5629**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24E1374-01	EN1-M	Ground Water	05/20/2024	05/21/2024
24E1374-02	EN10-M	Ground Water	05/20/2024	05/21/2024
24E1374-03	EN7-M	Ground Water	05/20/2024	05/21/2024
24E1374-04	Trip Blank-5/20/24	Water	05/20/2024	05/21/2024
24E1374-05	Field Blank-1	Water	05/20/2024	05/21/2024
24E1374-06	Blind Duplicate-1	Water	05/20/2024	05/21/2024

General Notes for York Project (SDG) No.: 24E1374

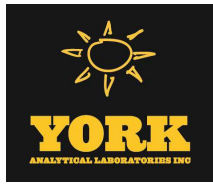
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: 

Cassie L. Mosher
Laboratory Manager

Date: 05/30/2024





Sample Information

Client Sample ID: EN1-M

York Sample ID: 24E1374-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1374

East Northport/5629

Ground Water

May 20, 2024 1:00 pm

05/21/2024

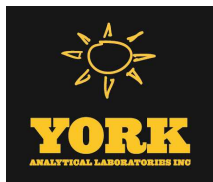
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
74-83-9	Bromomethane	ND	CCVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
67-66-3	Chloroform	1.1		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT



Sample Information

Client Sample ID: EN1-M

York Sample ID: 24E1374-01

York Project (SDG) No.
24E1374

Client Project ID
East Northport/5629

Matrix
Ground Water

Collection Date/Time
May 20, 2024 1:00 pm

Date Received
05/21/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
127-18-4	Tetrachloroethylene	ND	QL-02, CCVE, ICVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 20:18	BMT
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/29/2024 08:00	05/29/2024 20:18	BMT
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	96.6 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %	71-130							

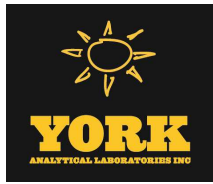
Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.304		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	05/25/2024 08:26	05/28/2024 12:15	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	77.3 %	36.6-118							



Sample Information

Client Sample ID: EN1-M

York Sample ID: 24E1374-01

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 1:00 pm

Date Received

05/21/2024

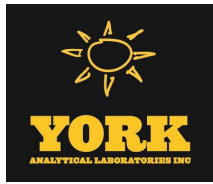
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.578	J	ng/L	0.450	1.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	5.83		ng/L	0.335	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.679	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	9.66		ng/L	0.650	1.75	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
335-67-1	Perfluorooctanoic acid (PFOA)	4.88		ng/L	0.402	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.10		ng/L	0.784	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.497	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.717	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.08	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.842	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.708	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.660	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.756	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
2991-50-6	N-EtFOSAA	ND		ng/L	0.985	1.91	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	5.45		ng/L	0.220	3.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.842	1.91	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.870	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.26	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.01	7.27	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.96	7.35	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.316	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.478	3.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/28/2024 23:44	ER



Sample Information

Client Sample ID: EN1-M

York Sample ID: 24E1374-01

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 1:00 pm

Date Received

05/21/2024

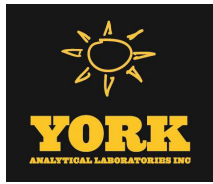
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	2.05	3.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/28/2024 23:44	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.239	3.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/28/2024 23:44	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.354	3.83	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/28/2024 23:44	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.727	1.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.71	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.09	7.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.32	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.670	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
919005-14-4	ADONA	ND		ng/L	0.507	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-CCV -L	ng/L	0.890	1.86	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/28/2024 23:44	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.823	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/28/2024 23:44	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.94	4.78	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/28/2024 23:44	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.01	23.9	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/28/2024 23:44	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.06	23.9	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/28/2024 23:44	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.82	19.1	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/28/2024 23:44	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.51	1.91	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/28/2024 23:44	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.82	19.1	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/28/2024 23:44	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.72	1.91	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/28/2024 23:44	ER
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		92.8 %	25-150								
Surrogate: M5PFHxA		105 %	25-150								
Surrogate: M4PFHpA		102 %	25-150								
Surrogate: M3PFHxS		96.2 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		95.0 %	25-150								
Surrogate: M6PFDA		86.2 %	25-150								
Surrogate: M7PFUdA		53.3 %	25-150								



Sample Information

Client Sample ID: EN1-M

York Sample ID: 24E1374-01

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 1:00 pm

Date Received

05/21/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	32.0 %			25-150						
	Surrogate: M2PFTeDA	21.4 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.98 %	PFSu-L		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	115 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	108 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	62.6 %			10-150						
	Surrogate: d3-N-MeFOSAA	42.7 %			25-150						
	Surrogate: d5-N-EtFOSAA	37.2 %			25-150						
	Surrogate: M2-6:2 FTS	109 %			25-200						
	Surrogate: M2-8:2 FTS	78.2 %			25-200						
	Surrogate: M9PFNA	92.0 %			25-150						
	Surrogate: M2-4:2 FTS	95.4 %			25-150						
	Surrogate: d-N-MeFOSA	23.5 %	PFSu-L		25-150						
	Surrogate: d-N-EtFOSA	15.9 %	PFSu-L		25-150						
	Surrogate: M3HFPO-DA	102 %			25-150						
	Surrogate: d9-N-EtFOSE	26.4 %			25-150						
	Surrogate: d7-N-MeFOSE	37.4 %			25-150						

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0670		mg/L	0.0556	1	EPA 6010D	05/24/2024 08:16	05/24/2024 18:17	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	26.1	M-BS	mg/L	0.0556	1	EPA 6010D	05/24/2024 08:16	05/24/2024 18:17	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

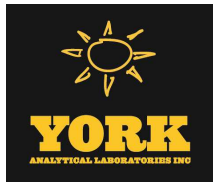
Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	0.103		mg/L	0.00556	1	EPA 6010D	05/24/2024 08:16	05/24/2024 18:17	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: EN1-M

York Sample ID: 24E1374-01

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 1:00 pm

Date Received

05/21/2024

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	105		mg/L	1.11	1	SM 2340B-2011	05/24/2024 08:16	05/24/2024 18:17	AGNR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005		

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.795		mg/L	0.278	1	EPA 6010D	05/24/2024 08:16	05/24/2024 18:17	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	9.61		mg/L	0.0556	1	EPA 6010D	05/24/2024 08:16	05/24/2024 18:17	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	2.01	M-BS	mg/L	0.0556	1	EPA 6010D	05/24/2024 08:16	05/24/2024 18:17	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	29.3	M-CCV	mg/L	0.556	1	EPA 6010D	05/24/2024 08:16	05/24/2024 18:17	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	05/24/2024 08:20	05/24/2024 12:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

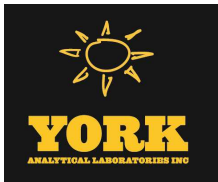
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	05/24/2024 08:20	05/24/2024 12:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Lead by EPA 6020

Log-in Notes:

Sample Notes:



Sample Information

<u>Client Sample ID:</u> EN1-M			<u>York Sample ID:</u> 24E1374-01			
<u>York Project (SDG) No.</u>		<u>Client Project ID</u>		<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24E1374		East Northport/5629		Ground Water	May 20, 2024 1:00 pm	05/21/2024

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/24/2024 08:20	05/24/2024 12:44	cw

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:16	05/28/2024 08:16	PFA

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	50.8		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/30/2024 14:57	05/30/2024 14:57	NJO

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	7.91		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/22/2024 09:39	05/22/2024 09:39	NJO

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	37.1		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/22/2024 09:39	05/22/2024 09:39	NJO

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	32		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	05/30/2024 07:31	05/30/2024 11:42	VR

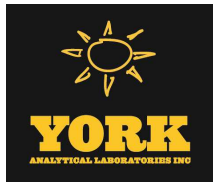
Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	ND		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/28/2024 13:00	05/28/2024 15:27	TCD



Sample Information

Client Sample ID: EN1-M

York Sample ID: 24E1374-01

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 1:00 pm

Date Received

05/21/2024

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Bicarbonate		32.0		mg/L	2.00	1	SM 2310B Certifications:	05/30/2024 07:33	05/30/2024 11:42	VR

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids		273		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/21/2024 21:51	05/21/2024 21:51	AA

Sample Information

Client Sample ID: EN10-M

York Sample ID: 24E1374-02

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 3:30 pm

Date Received

05/21/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO



Sample Information

Client Sample ID: EN10-M

York Sample ID: 24E1374-02

York Project (SDG) No.
24E1374

Client Project ID
East Northport/5629

Matrix
Ground Water

Collection Date/Time
May 20, 2024 3:30 pm

Date Received
05/21/2024

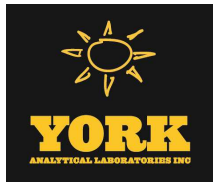
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO



Sample Information

Client Sample ID: EN10-M

York Sample ID: 24E1374-02

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 3:30 pm

Date Received

05/21/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 16:37	FO
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/29/2024 12:55	05/29/2024 16:37	FO
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.5 %		78-126						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %		84-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %		71-130						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	05/22/2024 08:14	05/22/2024 17:18	SS
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	77.2 %		36.6-118						

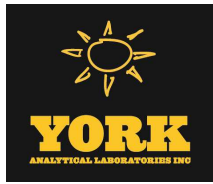
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.02	J	ng/L	0.421	1.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	14.0		ng/L	0.313	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	3.42		ng/L	0.635	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.34		ng/L	0.609	1.64	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
335-67-1	Perfluorooctanoic acid (PFOA)	2.19		ng/L	0.376	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.734	1.66	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.465	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.671	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.01	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER



Sample Information

Client Sample ID: EN10-M

York Sample ID: 24E1374-02

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 3:30 pm

Date Received

05/21/2024

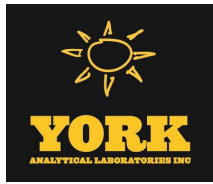
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.788	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.662	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.618	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.707	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
2991-50-6	N-EtFOSAA	ND		ng/L	0.922	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	7.63		ng/L	0.206	3.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.788	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.814	1.71	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.18	1.73	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.30	J	ng/L	0.949	6.80	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.83	6.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.295	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.448	3.19	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 00:33	ER
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.92	3.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 00:33	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.224	3.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 00:33	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.331	3.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 00:33	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.680	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.60	6.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	2.89	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.24	6.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.627	6.69	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
919005-14-4	ADONA	ND		ng/L	0.474	6.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-CCV -L	ng/L	0.832	1.74	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:33	ER



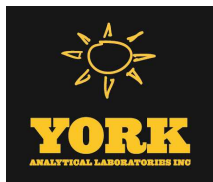
Sample Information

Client Sample ID: EN10-M		York Sample ID: 24E1374-02			
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received	
24E1374	East Northport/5629	Ground Water	May 20, 2024 3:30 pm	05/21/2024	

PFAS, EPA 1633 Target ListLog-in Notes:Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.770	1.72	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:33	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	1.82	4.48	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:33	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.56	22.4	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:33	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.48	22.4	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:33	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.57	17.9	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:33	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.41	1.79	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:33	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.57	17.9	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:33	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.61	1.79	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:33	ER
Surrogate Recoveries		Result		Acceptance Range							
Surrogate: M3PFBS		113 %		25-150							
Surrogate: M5PFHxA		113 %		25-150							
Surrogate: M4PFHpA		108 %		25-150							
Surrogate: M3PFHxS		118 %		25-150							
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		115 %		25-150							
Surrogate: M6PFDA		105 %		25-150							
Surrogate: M7PFUdA		76.9 %		25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)		45.7 %		25-150							
Surrogate: M2PFTeDA		12.7 %		10-150							
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)		1.65 %	PFSu-L	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)		131 %		25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)		103 %		25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)		77.7 %		10-150							
Surrogate: d3-N-MeFOSAA		58.2 %		25-150							
Surrogate: d5-N-EtFOSAA		54.7 %		25-150							
Surrogate: M2-6:2 FTS		131 %		25-200							
Surrogate: M2-8:2 FTS		93.7 %		25-200							
Surrogate: M9PFNA		106 %		25-150							
Surrogate: M2-4:2 FTS		147 %		25-150							
Surrogate: d-N-MeFOSA		24.2 %	PFSu-L	25-150							
Surrogate: d-N-EtFOSA		17.9 %	PFSu-L	25-150							



Sample Information

Client Sample ID: EN10-M

York Sample ID: 24E1374-02

York Project (SDG) No.
24E1374

Client Project ID
East Northport/5629

Matrix
Ground Water

Collection Date/Time
May 20, 2024 3:30 pm

Date Received
05/21/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3HFPO-DA	121 %			25-150						
	Surrogate: d9-N-EtFOSE	17.7 %	PFSu-L		25-150						
	Surrogate: d7-N-MeFOSE	32.3 %			25-150						

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.468		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:26	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	79.9		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:26	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:26	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	279		mg/L	1.11	1	SM 2340B-2011	05/28/2024 08:34	05/28/2024 17:26	AGNR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005										

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.60		mg/L	0.278	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:26	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

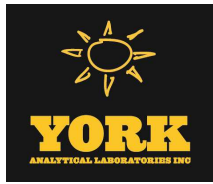
Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	19.3		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:26	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										



Sample Information

Client Sample ID: EN10-M

York Sample ID: 24E1374-02

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 3:30 pm

Date Received

05/21/2024

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	31.0		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:26	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	162		mg/L	0.556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:26	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B	05/28/2024 08:40	05/29/2024 13:12	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	05/28/2024 08:40	05/29/2024 13:12	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	50.3		ug/L	1.11	1	EPA 6020B	05/28/2024 08:40	05/29/2024 13:12	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1	05/28/2024 08:16	05/28/2024 08:16	PFA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

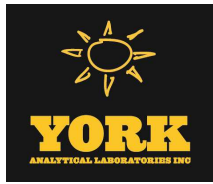
Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	30.5		mg/L	0.690	5.00	10	EPA 300.0	05/30/2024 15:17	05/30/2024 15:17	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: EN10-M

York Sample ID: 24E1374-02

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 3:30 pm

Date Received

05/21/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	6.43		mg/L	0.0500	1	EPA 300.0	05/22/2024 01:16	05/22/2024 01:16	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	27.6		mg/L	1.00	1	EPA 300.0	05/22/2024 01:16	05/22/2024 01:16	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	11		mg/L	2.0	1	SM 2320B	05/30/2024 07:31	05/30/2024 11:42	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	ND		mg/L	0.0500	1	SM 4500-NH3 D	05/28/2024 13:00	05/28/2024 15:27	TCD
Certifications:										

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	11.0		mg/L	2.00	1	SM 2310B	05/30/2024 07:33	05/30/2024 11:42	VR
Certifications:										

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	172		mg/L	10.0	1	SM 2540C-2015	05/21/2024 21:51	05/21/2024 21:51	AA
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										



Sample Information

Client Sample ID: EN7-M

York Sample ID: 24E1374-03

York Project (SDG) No.
24E1374

Client Project ID
East Northport/5629

Matrix
Ground Water

Collection Date/Time
May 20, 2024 6:00 pm

Date Received
05/21/2024

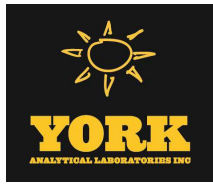
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
106-46-7	1,4-Dichlorobenzene	0.56		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
108-90-7	Chlorobenzene	0.51		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
156-59-2	cis-1,2-Dichloroethylene	0.91		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO



Sample Information

Client Sample ID: EN7-M

York Sample ID: 24E1374-03

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 6:00 pm

Date Received

05/21/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 12:55	05/29/2024 17:05	FO
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/29/2024 12:55	05/29/2024 17:05	FO
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	71-130							

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	18.7		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	05/22/2024 08:14	05/22/2024 17:35	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	82.5 %	36.6-118							

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: EN7-M

York Sample ID: 24E1374-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24E1374

East Northport/5629

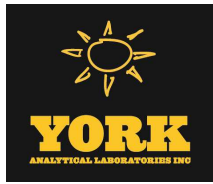
Ground Water

May 20, 2024 6:00 pm

05/21/2024

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.439	1.65	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.327	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.663	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.635	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.392	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.765	1.74	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.485	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.700	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.05	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.822	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.691	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.644	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.737	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
2991-50-6	N-EtFOSAA	ND		ng/L	0.962	1.87	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.215	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.822	1.87	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.850	1.78	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.23	1.80	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.990	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.91	7.17	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.308	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.467	3.32	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 00:49	ER
151772-58-6	Perfluoro-3,6-dioxahptanoic acid (NFDHA)	ND		ng/L	2.00	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 00:49	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.233	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 00:49	ER



Sample Information

Client Sample ID: EN7-M

York Sample ID: 24E1374-03

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 6:00 pm

Date Received

05/21/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

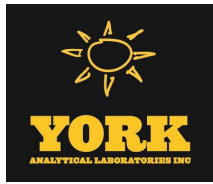
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
863090-89-5	Perfluoro-5-oxahecanoic acid (PFMBA)	ND		ng/L	0.345	3.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 00:49	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.709	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.67	7.00	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.02	7.47	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.29	7.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.653	6.98	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
919005-14-4	ADONA	ND		ng/L	0.495	7.06	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-CCV -L	ng/L	0.868	1.81	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:49	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.803	1.79	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 00:49	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ng/L	1.90	4.67	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:49	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.84	23.3	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:49	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.84	23.3	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:49	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:49	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.47	1.87	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:49	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.72	18.7	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:49	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.68	1.87	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 00:49	ER

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	101 %	25-150
Surrogate: M5PFHxA	113 %	25-150
Surrogate: M4PFHpA	112 %	25-150
Surrogate: M3PFHxS	112 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	99.7 %	25-150
Surrogate: M6PFDA	96.0 %	25-150
Surrogate: M7PFUdA	75.9 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	52.6 %	25-150
Surrogate: M2PFTeDA	13.9 %	10-150



Sample Information

Client Sample ID: EN7-M

York Sample ID: 24E1374-03

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 6:00 pm

Date Received

05/21/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.56 %	PFSu-L		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	134 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	107 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	73.7 %			10-150						
	Surrogate: d3-N-MeFOSAA	56.7 %			25-150						
	Surrogate: d5-N-EtFOSAA	57.1 %			25-150						
	Surrogate: M2-6:2 FTS	116 %			25-200						
	Surrogate: M2-8:2 FTS	89.9 %			25-200						
	Surrogate: M9PFNA	103 %			25-150						
	Surrogate: M2-4:2 FTS	91.2 %			25-150						
	Surrogate: d-N-MeFOSA	26.2 %			25-150						
	Surrogate: d-N-EtFOSA	23.0 %	PFSu-L		25-150						
	Surrogate: M3HFPO-DA	115 %			25-150						
	Surrogate: d9-N-EtFOSE	22.6 %	PFSu-L		25-150						
	Surrogate: d7-N-MeFOSE	32.5 %			25-150						

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:34	05/28/2024 17:29	AGNR

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	0.651		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:34	05/28/2024 17:29	AGNR

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

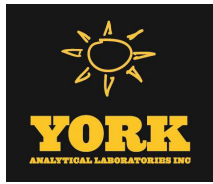
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:34	05/28/2024 17:29	AGNR

Hardness, Groundwater

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: EN7-M

York Sample ID: 24E1374-03

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 6:00 pm

Date Received

05/21/2024

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	2.23		mg/L	1.11	1	SM 2340B-2011	05/28/2024 08:34	05/28/2024 17:29	AGNR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005										

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:29	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	0.146		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:29	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	0.237		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:29	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	1.25		mg/L	0.556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:29	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	1.35		ug/L	1.11	1	EPA 6020B	05/28/2024 08:40	05/29/2024 13:16	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

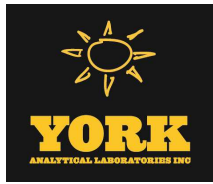
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	05/28/2024 08:40	05/29/2024 13:16	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

Lead by EPA 6020

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: EN7-M

York Sample ID: 24E1374-03

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 6:00 pm

Date Received

05/21/2024

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	1.65		ug/L	1.11	1	EPA 6020B	05/28/2024 08:40	05/29/2024 13:16	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1	05/28/2024 08:16	05/28/2024 08:16	PFA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	147		mg/L	0.690	5.00	10	EPA 300.0	05/30/2024 15:37	05/30/2024 15:37	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	05/22/2024 01:47	05/22/2024 01:47	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	71.1		mg/L	10.0	10	EPA 300.0	05/30/2024 15:37	05/30/2024 15:37	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	440		mg/L	2.0	1	SM 2320B	05/30/2024 07:31	05/30/2024 11:42	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

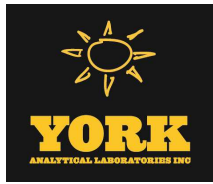
Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	21.9		mg/L	0.0500	1	SM 4500-NH3 D	05/28/2024 13:00	05/28/2024 15:27	TCD
Certifications:										



Sample Information

Client Sample ID: EN7-M

York Sample ID: 24E1374-03

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Ground Water

Collection Date/Time

May 20, 2024 6:00 pm

Date Received

05/21/2024

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Bicarbonate		436		mg/L	2.00	1	SM 2310B Certifications:	05/30/2024 07:33	05/30/2024 11:42	VR

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids		804		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/21/2024 21:51	05/21/2024 21:51	AA

Sample Information

Client Sample ID: Trip Blank-5/20/24

York Sample ID: 24E1374-04

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 3:00 pm

Date Received

05/21/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT



Sample Information

Client Sample ID: Trip Blank-5/20/24

York Sample ID: 24E1374-04

York Project (SDG) No.
24E1374

Client Project ID
East Northport/5629

Matrix
Water

Collection Date/Time
May 20, 2024 3:00 pm

Date Received
05/21/2024

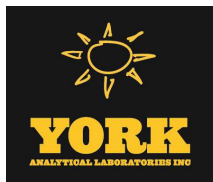
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
74-83-9	Bromomethane	ND	CCVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT



Sample Information

Client Sample ID: Trip Blank-5/20/24

York Sample ID: 24E1374-04

York Project (SDG) No.
24E1374

Client Project ID
East Northport/5629

Matrix
Water

Collection Date/Time
May 20, 2024 3:00 pm

Date Received
05/21/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 17:29	BMT
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/29/2024 08:00	05/29/2024 17:29	BMT
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %								
2037-26-5	Surrogate: SURR: Toluene-d8	96.9 %								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %								

Sample Information

Client Sample ID: Field Blank-1

York Sample ID: 24E1374-05

York Project (SDG) No.
24E1374

Client Project ID
East Northport/5629

Matrix
Water

Collection Date/Time
May 20, 2024 6:30 pm

Date Received
05/21/2024

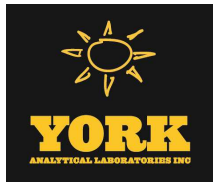
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT



Sample Information

Client Sample ID: Field Blank-1

York Sample ID: 24E1374-05

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 6:30 pm

Date Received

05/21/2024

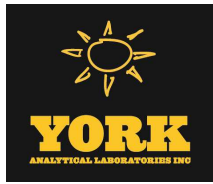
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
75-27-4	Bromodichloromethane	0.99		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
74-83-9	Bromomethane	ND	CCVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
67-66-3	Chloroform	11		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT



Sample Information

Client Sample ID: Field Blank-1			York Sample ID: 24E1374-05		
York Project (SDG) No. 24E1374		Client Project ID East Northport/5629		Matrix Water	
			Collection Date/Time May 20, 2024 6:30 pm		Date Received 05/21/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:22	BMT
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/29/2024 08:00	05/29/2024 19:22	BMT
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %		78-126						
2037-26-5	Surrogate: SURR: Toluene-d8	95.7 %		84-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	111 %		71-130						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	05/22/2024 08:14	05/22/2024 18:10	SS
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	63.6 %		36.6-118						

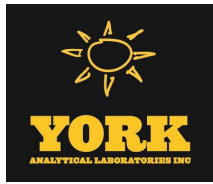
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	7.23		ng/L	0.453	1.71	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	67.6		ng/L	0.338	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	42.2		ng/L	0.685	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	15.9		ng/L	0.656	1.77	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
335-67-1	Perfluorooctanoic acid (PFOA)	47.8		ng/L	0.405	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	29.0		ng/L	0.791	1.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
375-95-1	Perfluorononanoic acid (PFNA)	2.69		ng/L	0.502	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.723	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.09	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER



Sample Information

Client Sample ID: Field Blank-1

York Sample ID: 24E1374-05

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 6:30 pm

Date Received

05/21/2024

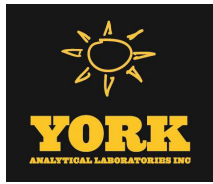
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.849	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.714	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.666	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.762	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
2991-50-6	N-EtFOSAA	2.09		ng/L	0.993	1.93	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	33.8		ng/L	0.222	3.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.849	1.93	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	1.36	J	ng/L	0.878	1.84	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.27	1.86	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.02	7.33	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.98	7.41	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	69.9		ng/L	0.318	7.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.482	3.43	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 01:05	ER
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.06	3.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 01:05	ER
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.241	3.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 01:05	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.357	3.86	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 01:05	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	4.85		ng/L	0.733	1.81	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.73	7.23	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.12	7.72	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.33	7.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.675	7.21	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
919005-14-4	ADONA	ND		ng/L	0.511	7.29	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-CCV -L	ng/L	0.897	1.87	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:05	ER



Sample Information

Client Sample ID: Field Blank-1

York Sample ID: 24E1374-05

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 6:30 pm

Date Received

05/21/2024

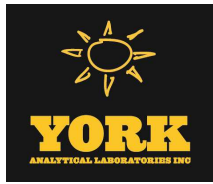
PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.830	1.85	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:05	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPPrPA)	ND		ng/L	1.96	4.82	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:05	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.07	24.1	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:05	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.13	24.1	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:05	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.85	19.3	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:05	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.52	1.93	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:05	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.85	19.3	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:05	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.74	1.93	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:05	ER
Surrogate Recoveries		Result		Acceptance Range							
Surrogate: M3PFBS		76.2 %		25-150							
Surrogate: M5PFHxA		96.3 %		25-150							
Surrogate: M4PFHpA		75.7 %		25-150							
Surrogate: M3PFHxS		91.3 %		25-150							
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		94.6 %		25-150							
Surrogate: M6PFDA		81.7 %		25-150							
Surrogate: M7PFUdA		61.3 %		25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)		39.8 %		25-150							
Surrogate: M2PFTeDA		18.3 %		10-150							
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)		20.0 %	PFSu-L	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)		118 %		25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)		98.8 %		25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)		58.4 %		10-150							
Surrogate: d3-N-MeFOSAA		44.0 %		25-150							
Surrogate: d5-N-EtFOSAA		45.6 %		25-150							
Surrogate: M2-6:2 FTS		245 %	PFSu-H	25-200							
Surrogate: M2-8:2 FTS		82.3 %		25-200							
Surrogate: M9PFNA		70.9 %		25-150							
Surrogate: M2-4:2 FTS		278 %	PFSu-H	25-150							
Surrogate: d-N-MeFOSA		22.3 %	PFSu-L	25-150							
Surrogate: d-N-EtFOSA		17.5 %	PFSu-L	25-150							



Sample Information

Client Sample ID: Field Blank-1

York Sample ID: 24E1374-05

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 6:30 pm

Date Received

05/21/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3HFPO-DA	99.0 %			25-150						
	Surrogate: d9-N-EtFOSE	22.7 %	PFSu-L		25-150						
	Surrogate: d7-N-MeFOSE	34.3 %			25-150						

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:33	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	0.158		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:33	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:33	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Hardness, Groundwater

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	ND		mg/L	1.11	1	SM 2340B-2011	05/28/2024 08:34	05/28/2024 17:33	AGNR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005										

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:33	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

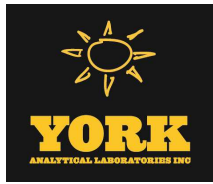
Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:33	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										



Sample Information

Client Sample ID: Field Blank-1

York Sample ID: 24E1374-05

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 6:30 pm

Date Received

05/21/2024

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:34	05/28/2024 17:33	AGNR

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	0.627		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:34	05/28/2024 17:33	AGNR

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:40	05/29/2024 13:19	cw

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:40	05/29/2024 13:19	cw

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:40	05/29/2024 13:19	cw

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/28/2024 08:16	05/28/2024 08:16	PFA

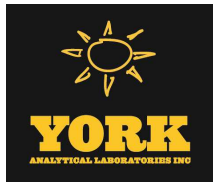
Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	0.705		mg/L	0.0690	0.500	1	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	05/22/2024 01:57	05/22/2024 01:57	NJO



Sample Information

Client Sample ID: Field Blank-1

York Sample ID: 24E1374-05

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 6:30 pm

Date Received

05/21/2024

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	0.0735		mg/L	0.0500	1	EPA 300.0	05/22/2024 01:57	05/22/2024 01:57	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	1.00	1	EPA 300.0	05/22/2024 01:57	05/22/2024 01:57	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	ND		mg/L	2.0	1	SM 2320B	05/30/2024 07:31	05/30/2024 11:42	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	ND		mg/L	0.0500	1	SM 4500-NH3 D	05/28/2024 13:00	05/28/2024 15:27	TCD
							Certifications:			

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Bicarbonate	ND		mg/L	2.00	1	SM 2310B	05/30/2024 07:33	05/30/2024 11:42	VR
							Certifications:			

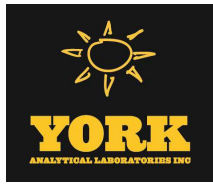
Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	ND		mg/L	10.0	1	SM 2540C-2015	05/21/2024 21:51	05/21/2024 21:51	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		



Sample Information

Client Sample ID: Blind Duplicate-1

York Sample ID: 24E1374-06

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 3:00 pm

Date Received

05/21/2024

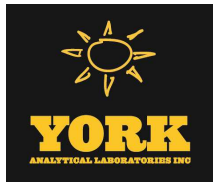
VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
106-46-7	1,4-Dichlorobenzene	0.75		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
74-83-9	Bromomethane	ND	CCVE	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
108-90-7	Chlorobenzene	0.68		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
156-59-2	cis-1,2-Dichloroethylene	1.2		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT



Sample Information

Client Sample ID: Blind Duplicate-1

York Sample ID: 24E1374-06

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 3:00 pm

Date Received

05/21/2024

VOA, 624 Low List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
75-01-4	Vinyl Chloride	0.57		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	05/29/2024 08:00	05/29/2024 19:50	BMT
526-73-8	* 1,2,3-Trimethylbenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications:	05/29/2024 08:00	05/29/2024 19:50	BMT
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	95.1 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	111 %	71-130							

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	18.6		ug/L	0.300	1	EPA 8270E SIM Certifications: NJDEP-CT005,NELAC-NY10854	05/22/2024 08:14	05/22/2024 18:27	SS
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	92.3 %	36.6-118							

PFAS, EPA 1633 Target List

Log-in Notes:

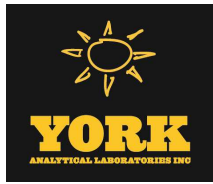
Sample Notes:

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: Blind Duplicate-1

York Sample ID: 24E1374-06

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

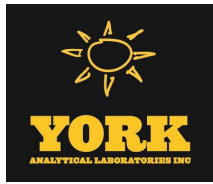
May 20, 2024 3:00 pm

Date Received

05/21/2024

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	7.66		ng/L	0.445	1.68	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
307-24-4	Perfluorohexanoic acid (PFHxA)	63.3		ng/L	0.332	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
375-85-9	Perfluoroheptanoic acid (PFHpA)	39.9		ng/L	0.673	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	17.6		ng/L	0.644	1.73	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
335-67-1	Perfluorooctanoic acid (PFOA)	44.7		ng/L	0.398	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	22.2		ng/L	0.777	1.76	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
375-95-1	Perfluorononanoic acid (PFNA)	2.15		ng/L	0.493	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.711	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.07	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.834	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.701	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.654	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
2355-31-9	N-MeFOSAA	ND		ng/L	0.749	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
2991-50-6	N-EtFOSAA	1.46	J	ng/L	0.976	1.90	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
2706-90-3	Perfluoropentanoic acid (PFPeA)	36.7		ng/L	0.218	3.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.834	1.90	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	1.65	J	ng/L	0.862	1.81	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.25	1.83	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.00	7.20	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.94	7.28	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
375-22-4	Perfluoro-n-butanoic acid (PFBA)	61.8		ng/L	0.313	7.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.474	3.37	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 01:21	ER
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.03	3.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 01:21	ER



Sample Information

Client Sample ID: Blind Duplicate-1

York Sample ID: 24E1374-06

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 3:00 pm

Date Received

05/21/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

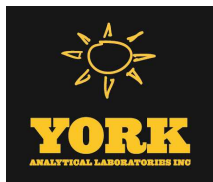
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.237	3.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 01:21	ER
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.351	3.79	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058	05/24/2024 09:28	05/29/2024 01:21	ER
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	4.85		ng/L	0.720	1.78	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.70	7.11	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.06	7.58	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.31	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
756426-58-1	9CL-PF3ONS	ND		ng/L	0.663	7.09	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
919005-14-4	ADONA	ND		ng/L	0.502	7.16	1	EPA 1633 Draft 3 Certifications: NELAC-NY12058,NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND	PF-CCV -L	ng/L	0.881	1.84	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:21	ER
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.815	1.82	1	EPA 1633 Draft 3 Certifications: NJDEP-NY037	05/24/2024 09:28	05/29/2024 01:21	ER
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ng/L	1.92	4.74	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:21	ER
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.95	23.7	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:21	ER
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.97	23.7	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:21	ER
24448-09-7	* N-MeFOSE	ND		ng/L	3.78	19.0	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:21	ER
31506-32-8	* N-MeFOSA	ND		ng/L	1.50	1.90	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:21	ER
1691-99-2	* N-EtFOSE	ND		ng/L	3.78	19.0	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:21	ER
4151-50-2	* N-EtFOSA	ND		ng/L	1.71	1.90	1	EPA 1633 Draft 3 Certifications:	05/24/2024 09:28	05/29/2024 01:21	ER

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	83.7 %	25-150
Surrogate: M5PFHxA	108 %	25-150
Surrogate: M4PFHpA	80.0 %	25-150
Surrogate: M3PFHxS	95.2 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	102 %	25-150
Surrogate: M6PFDA	87.3 %	25-150
Surrogate: M7PFUdA	62.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	45.9 %	25-150



Sample Information

Client Sample ID: Blind Duplicate-1

York Sample ID: 24E1374-06

York Project (SDG) No.
24E1374

Client Project ID
East Northport/5629

Matrix
Water

Collection Date/Time
May 20, 2024 3:00 pm

Date Received
05/21/2024

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2PFTeDA	20.4 %			10-150						
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	7.43 %	PFSu-L		25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	126 %			25-150						
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	107 %			25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	66.8 %			10-150						
	Surrogate: d3-N-MeFOSAA	53.4 %			25-150						
	Surrogate: d5-N-EtFOSAA	55.0 %			25-150						
	Surrogate: M2-6:2 FTS	269 %	PFSu-H		25-200						
	Surrogate: M2-8:2 FTS	95.3 %			25-200						
	Surrogate: M9PFNA	88.9 %			25-150						
	Surrogate: M2-4:2 FTS	298 %	PFSu-H		25-150						
	Surrogate: d-N-MeFOSA	19.9 %	PFSu-L		25-150						
	Surrogate: d-N-EtFOSA	14.2 %	PFSu-L		25-150						
	Surrogate: M3HFPO-DA	106 %			25-150						
	Surrogate: d9-N-EtFOSE	24.0 %	PFSu-L		25-150						
	Surrogate: d7-N-MeFOSE	37.4 %			25-150						

Aluminum by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.864		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:36	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Calcium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	78.0		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:36	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

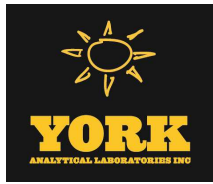
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:36	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Hardness, Groundwater

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Blind Duplicate-1

York Sample ID: 24E1374-06

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 3:00 pm

Date Received

05/21/2024

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	273		mg/L	1.11	1	SM 2340B-2011	05/28/2024 08:34	05/28/2024 17:36	AGNR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005										

Iron by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.89		mg/L	0.278	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:36	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Magnesium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	19.0		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:36	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	30.3		mg/L	0.0556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:36	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Sodium by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	157		mg/L	0.556	1	EPA 6010D	05/28/2024 08:34	05/28/2024 17:36	AGNR
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	1.35		ug/L	1.11	1	EPA 6020B	05/28/2024 08:40	05/29/2024 13:22	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

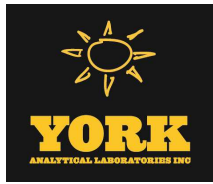
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B	05/28/2024 08:40	05/29/2024 13:22	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Lead by EPA 6020

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Blind Duplicate-1

York Sample ID: 24E1374-06

York Project (SDG) No.

24E1374

Client Project ID

East Northport/5629

Matrix

Water

Collection Date/Time

May 20, 2024 3:00 pm

Date Received

05/21/2024

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	1.80		ug/L	1.11	1	EPA 6020B	05/28/2024 08:40	05/29/2024 13:22	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04										

Mercury by EPA 245.1

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 245.1 Mercury

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 245.1	05/28/2024 08:16	05/28/2024 08:16	PFA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044										

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	148		mg/L	0.690	5.00	10	EPA 300.0	05/30/2024 15:47	05/30/2024 15:47	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04											

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0500	1	EPA 300.0	05/22/2024 01:06	05/22/2024 01:06	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	72.3		mg/L	10.0	10	EPA 300.0	05/30/2024 15:47	05/30/2024 15:47	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Alkalinity, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	450		mg/L	2.0	1	SM 2320B	05/30/2024 07:31	05/30/2024 11:42	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04										

Ammonia as NH3

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	* Ammonia Nitrogen as NH3	14.6		mg/L	0.0500	1	SM 4500-NH3 D	05/28/2024 13:00	05/28/2024 15:27	TCD
Certifications:										



Sample Information

Client Sample ID: Blind Duplicate-1

York Sample ID: 24E1374-06

York Project (SDG) No.
24E1374

Client Project ID
East Northport/5629

Matrix
Water

Collection Date/Time
May 20, 2024 3:00 pm

Date Received
05/21/2024

Bicarbonate

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Bicarbonate		452		mg/L	2.00	1	SM 2310B Certifications:	05/30/2024 07:33	05/30/2024 11:42	VR

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids		800		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04	05/21/2024 21:51	05/21/2024 21:51	AA



Analytical Batch Summary

Batch ID: BE41447 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/21/24
24E1374-02	EN10-M	05/21/24
24E1374-03	EN7-M	05/21/24
24E1374-05	Field Blank-1	05/21/24
24E1374-06	Blind Duplicate-1	05/21/24
BE41447-BLK1	Blank	05/21/24
BE41447-DUP1	Duplicate	05/21/24
BE41447-DUP2	Duplicate	05/21/24
BE41447-MRL1	MRL Check	05/21/24

Batch ID: BE41471 **Preparation Method:** EPA 3535A **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-02	EN10-M	05/22/24
24E1374-03	EN7-M	05/22/24
24E1374-05	Field Blank-1	05/22/24
24E1374-06	Blind Duplicate-1	05/22/24
BE41471-BLK1	Blank	05/22/24
BE41471-BS1	LCS	05/22/24
BE41471-MS1	Matrix Spike	05/22/24
BE41471-MSD1	Matrix Spike Dup	05/22/24

Batch ID: BE41531 **Preparation Method:** EPA 300 **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/22/24
BE41531-BLK1	Blank	05/22/24
BE41531-BS1	LCS	05/22/24
BE41531-DUP1	Duplicate	05/22/24
BE41531-DUP2	Duplicate	05/22/24
BE41531-MS1	Matrix Spike	05/22/24
BE41531-MS2	Matrix Spike	05/22/24
BE41531-MSD1	Matrix Spike Dup	05/22/24
BE41531-MSD2	Matrix Spike Dup	05/22/24

Batch ID: BE41537 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-02	EN10-M	05/22/24
24E1374-03	EN7-M	05/22/24
24E1374-05	Field Blank-1	05/22/24
24E1374-06	Blind Duplicate-1	05/22/24
BE41537-BLK1	Blank	05/21/24
BE41537-BS1	LCS	05/21/24



BE41537-DUP1	Duplicate	05/21/24
BE41537-DUP2	Duplicate	05/21/24
BE41537-MS1	Matrix Spike	05/21/24
BE41537-MS2	Matrix Spike	05/21/24
BE41537-MSD1	Matrix Spike Dup	05/21/24
BE41537-MSD2	Matrix Spike Dup	05/21/24

Batch ID: BE41670 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/24/24
BE41670-BLK1	Blank	05/24/24
BE41670-BS1	LCS	05/24/24
BE41670-DUP1	Duplicate	05/24/24
BE41670-MS1	Matrix Spike	05/24/24
BE41670-PS1	Post Spike	05/24/24

Batch ID: BE41672 **Preparation Method:** EPA 3015A **Prepared By:** AD2

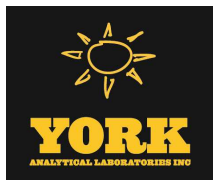
YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/24/24
BE41672-BLK1	Blank	05/24/24
BE41672-BS1	LCS	05/24/24
BE41672-DUP1	Duplicate	05/24/24
BE41672-MS1	Matrix Spike	05/24/24

Batch ID: BE41687 **Preparation Method:** EPA 1633 Prep **Prepared By:** AM

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/24/24
24E1374-02	EN10-M	05/24/24
24E1374-03	EN7-M	05/24/24
24E1374-05	Field Blank-1	05/24/24
24E1374-06	Blind Duplicate-1	05/24/24
BE41687-BLK1	Blank	05/24/24
BE41687-BS1	LCS	05/24/24
BE41687-BS2	LCS	05/24/24
BE41687-MS1	Matrix Spike	05/24/24
BE41687-MSD1	Matrix Spike Dup	05/24/24

Batch ID: BE41742 **Preparation Method:** EPA 3535A **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/25/24
BE41742-BLK1	Blank	05/25/24
BE41742-BS1	LCS	05/25/24
BE41742-MS1	Matrix Spike	05/25/24
BE41742-MSD1	Matrix Spike Dup	05/25/24



Batch ID: BE41771

Preparation Method: Analysis Preparation

Prepared By: TCD

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/28/24
24E1374-02	EN10-M	05/28/24
24E1374-03	EN7-M	05/28/24
24E1374-05	Field Blank-1	05/28/24
24E1374-06	Blind Duplicate-1	05/28/24
BE41771-BLK1	Blank	05/28/24
BE41771-BS1	LCS	05/28/24
BE41771-DUP1	Duplicate	05/28/24
BE41771-MS1	Matrix Spike	05/28/24
BE41771-MSD1	Matrix Spike Dup	05/28/24

Batch ID: BE41783

Preparation Method: EPA 245.1 Mercury

Prepared By: PFA

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/28/24
24E1374-02	EN10-M	05/28/24
24E1374-03	EN7-M	05/28/24
24E1374-05	Field Blank-1	05/28/24
24E1374-06	Blind Duplicate-1	05/28/24
BE41783-BLK1	Blank	05/28/24
BE41783-BS1	LCS	05/28/24
BE41783-DUP1	Duplicate	05/28/24
BE41783-MS1	Matrix Spike	05/28/24
BE41783-MSD1	Matrix Spike Dup	05/28/24

Batch ID: BE41791

Preparation Method: EPA 3015A

Prepared By: AD2

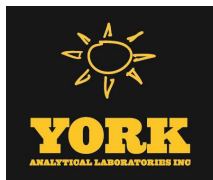
YORK Sample ID	Client Sample ID	Preparation Date
24E1374-02	EN10-M	05/28/24
24E1374-03	EN7-M	05/28/24
24E1374-05	Field Blank-1	05/28/24
24E1374-06	Blind Duplicate-1	05/28/24
BE41791-BLK1	Blank	05/28/24
BE41791-BS1	LCS	05/28/24
BE41791-DUP1	Duplicate	05/28/24
BE41791-MS1	Matrix Spike	05/28/24
BE41791-PS1	Post Spike	05/28/24

Batch ID: BE41796

Preparation Method: EPA 3015A

Prepared By: AD2

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-02	EN10-M	05/28/24
24E1374-03	EN7-M	05/28/24
24E1374-05	Field Blank-1	05/28/24
24E1374-06	Blind Duplicate-1	05/28/24



BE41796-BLK1	Blank	05/28/24
BE41796-BS1	LCS	05/28/24
BE41796-DUP1	Duplicate	05/28/24
BE41796-MS1	Matrix Spike	05/28/24

Batch ID: BE41893 **Preparation Method:** EPA 5030B **Prepared By:** FO

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/29/24
24E1374-04	Trip Blank-5/20/24	05/29/24
24E1374-05	Field Blank-1	05/29/24
24E1374-06	Blind Duplicate-1	05/29/24
BE41893-BLK1	Blank	05/29/24
BE41893-BS1	LCS	05/29/24
BE41893-BSD1	LCS Dup	05/29/24
BE41893-MS1	Matrix Spike	05/29/24
BE41893-MSD1	Matrix Spike Dup	05/29/24

Batch ID: BE41894 **Preparation Method:** EPA 5030B **Prepared By:** SCB

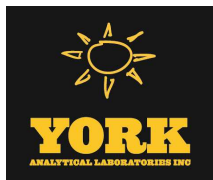
YORK Sample ID	Client Sample ID	Preparation Date
24E1374-02	EN10-M	05/29/24
24E1374-03	EN7-M	05/29/24
BE41894-BLK1	Blank	05/29/24
BE41894-BS1	LCS	05/29/24
BE41894-BSD1	LCS Dup	05/29/24

Batch ID: BE41955 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/30/24
24E1374-02	EN10-M	05/30/24
24E1374-03	EN7-M	05/30/24
24E1374-05	Field Blank-1	05/30/24
24E1374-06	Blind Duplicate-1	05/30/24
BE41955-DUP1	Duplicate	05/30/24
BE41955-SRM1	Reference	05/30/24

Batch ID: BE41956 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/30/24
24E1374-02	EN10-M	05/30/24
24E1374-03	EN7-M	05/30/24
24E1374-05	Field Blank-1	05/30/24
24E1374-06	Blind Duplicate-1	05/30/24
BE41956-BLK1	Blank	05/30/24
BE41956-DUP1	Duplicate	05/30/24

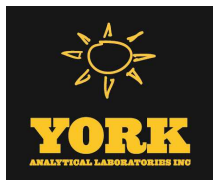


Batch ID: BE42037

Preparation Method: EPA 300

Prepared By: NJO

YORK Sample ID	Client Sample ID	Preparation Date
24E1374-01	EN1-M	05/30/24
24E1374-02	EN10-M	05/30/24
24E1374-03	EN7-M	05/30/24
24E1374-06	Blind Duplicate-1	05/30/24
BE42037-BLK1	Blank	05/30/24
BE42037-BS1	LCS	05/30/24
BE42037-BS2	LCS	05/30/24
BE42037-DUP1	Duplicate	05/30/24
BE42037-DUP2	Duplicate	05/30/24



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

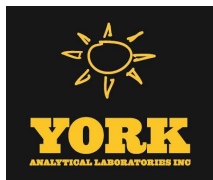
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41893 - EPA 5030B

Blank (BE41893-BLK1)

Prepared & Analyzed: 05/29/2024

1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2-Chloroethylvinyl ether	ND	20	"								
Benzene	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methylene chloride	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
1,2,3-Trimethylbenzene	ND	0.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.8		"	10.0		108	78-126				
Surrogate: SURR: Toluene-d8	9.51		"	10.0		95.1	84-117				
Surrogate: SURR: p-Bromofluorobenzene	11.3		"	10.0		113	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41893 - EPA 5030B

LCS (BE41893-BS1)

Prepared & Analyzed: 05/29/2024

1,1,1-Trichloroethane	11.2		ug/L	10.0		112	75-125				
1,1,2,2-Tetrachloroethane	11.5		"	10.0		115	60-140				
1,1,2-Trichloroethane	9.90		"	10.0		99.0	71-129				
1,1-Dichloroethane	10.2		"	10.0		102	72-128				
1,1-Dichloroethylene	12.4		"	10.0		124	50-150				
1,2-Dichlorobenzene	10.1		"	10.0		101	63-137				
1,2-Dichloroethane	10.9		"	10.0		109	68-132				
1,2-Dichloropropane	10.0		"	10.0		100	34-166				
1,3-Dichlorobenzene	10.3		"	10.0		103	73-127				
1,4-Dichlorobenzene	10.4		"	10.0		104	63-137				
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias			
Benzene	11.0		"	10.0		110	64-136				
Bromodichloromethane	10.2		"	10.0		102	65-135				
Bromoform	8.90		"	10.0		89.0	71-129				
Bromomethane	5.03		"	10.0		50.3	14-186				
Carbon tetrachloride	11.0		"	10.0		110	73-127				
Chlorobenzene	10.4		"	10.0		104	66-134				
Chloroethane	12.6		"	10.0		126	38-162				
Chloroform	10.4		"	10.0		104	67-133				
Chloromethane	11.4		"	10.0		114	0.5-204				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	70-130				
cis-1,3-Dichloropropylene	9.45		"	10.0		94.5	24-176				
Dibromochloromethane	9.88		"	10.0		98.8	67-133				
Ethyl Benzene	11.1		"	10.0		111	59-141				
Methylene chloride	9.77		"	10.0		97.7	60-140				
o-Xylene	11.0		"	10.0		110	70-130				
p- & m- Xylenes	21.9		"	20.0		109	70-130				
Tetrachloroethylene	5.14		"	10.0		51.4	73-127	Low Bias			
Toluene	10.3		"	10.0		103	74-126				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	69-131				
trans-1,3-Dichloropropylene	9.47		"	10.0		94.7	50-150				
Trichloroethylene	9.92		"	10.0		99.2	66-134				
Trichlorofluoromethane	14.4		"	10.0		144	48-152				
Vinyl Chloride	11.7		"	10.0		117	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	78-126				
Surrogate: SURR: Toluene-d8	9.71		"	10.0		97.1	84-117				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41893 - EPA 5030B

LCS Dup (BE41893-BSD1)

Prepared & Analyzed: 05/29/2024

1,1,1-Trichloroethane	11.8		ug/L	10.0		118	75-125		4.44	30	
1,1,2,2-Tetrachloroethane	11.9		"	10.0		119	60-140		3.67	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	71-129		6.83	30	
1,1-Dichloroethane	10.8		"	10.0		108	72-128		4.86	30	
1,1-Dichloroethylene	12.4		"	10.0		124	50-150		0.162	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	63-137		0.492	30	
1,2-Dichloroethane	11.6		"	10.0		116	68-132		6.48	30	
1,2-Dichloropropane	10.0		"	10.0		100	34-166		0.299	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	73-127		0.963	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	63-137		0.581	30	
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias		30	
Benzene	11.4		"	10.0		114	64-136		3.83	30	
Bromodichloromethane	10.5		"	10.0		105	65-135		2.79	30	
Bromoform	9.59		"	10.0		95.9	71-129		7.46	30	
Bromomethane	5.87		"	10.0		58.7	14-186		15.4	30	
Carbon tetrachloride	11.8		"	10.0		118	73-127		6.50	30	
Chlorobenzene	10.5		"	10.0		105	66-134		0.959	30	
Chloroethane	13.6		"	10.0		136	38-162		8.02	30	
Chloroform	11.0		"	10.0		110	67-133		5.33	30	
Chloromethane	11.8		"	10.0		118	0.5-204		3.62	30	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	70-130		6.13	30	
cis-1,3-Dichloropropylene	9.61		"	10.0		96.1	24-176		1.68	30	
Dibromochloromethane	10.3		"	10.0		103	67-133		3.77	30	
Ethyl Benzene	11.2		"	10.0		112	59-141		0.809	30	
Methylene chloride	10.1		"	10.0		101	60-140		3.62	30	
o-Xylene	11.1		"	10.0		111	70-130		0.812	30	
p- & m- Xylenes	22.2		"	20.0		111	70-130		1.63	30	
Tetrachloroethylene	5.18		"	10.0		51.8	73-127	Low Bias	0.775	30	
Toluene	10.4		"	10.0		104	74-126		0.771	30	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	69-131		4.20	30	
trans-1,3-Dichloropropylene	9.91		"	10.0		99.1	50-150		4.54	30	
Trichloroethylene	10.1		"	10.0		101	66-134		1.60	30	
Trichlorofluoromethane	15.4		"	10.0		154	48-152	High Bias	7.31	30	
Vinyl Chloride	12.7		"	10.0		127	4-196		7.62	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.6		"	10.0		106	78-126				
Surrogate: SURR: Toluene-d8	9.43		"	10.0		94.3	84-117				
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41893 - EPA 5030B

Matrix Spike (BE41893-MS1)		*Source sample: 24E1374-01 (EN1-M)					Prepared & Analyzed: 05/29/2024				
1,1,1-Trichloroethane	15.4		ug/L	10.0	0.00	154	52-162				
1,1,2,2-Tetrachloroethane	14.6		"	10.0	0.00	146	46-157				
1,1,2-Trichloroethane	12.5		"	10.0	0.00	125	52-150				
1,1-Dichloroethane	13.8		"	10.0	0.00	138	59-155				
1,1-Dichloroethylene	16.2		"	10.0	0.00	162	0.5-234				
1,2-Dichlorobenzene	12.9		"	10.0	0.00	129	18-190				
1,2-Dichloroethane	14.1		"	10.0	0.00	141	49-155				
1,2-Dichloropropane	12.9		"	10.0	0.00	129	0.5-210				
1,3-Dichlorobenzene	13.5		"	10.0	0.00	135	59-156				
1,4-Dichlorobenzene	13.4		"	10.0	0.00	134	18-190				
2-Chloroethylvinyl ether	0.00		"	10.0	0.00		20-305	Low Bias			
Benzene	14.6		"	10.0	0.00	146	37-151				
Bromodichloromethane	12.9		"	10.0	0.00	129	35-155				
Bromoform	11.7		"	10.0	0.00	117	45-169				
Bromomethane	8.31		"	10.0	0.00	83.1	0.5-242				
Carbon tetrachloride	15.6		"	10.0	0.00	156	70-140	High Bias			
Chlorobenzene	13.4		"	10.0	0.00	134	37-160				
Chloroethane	18.3		"	10.0	0.00	183	14-230				
Chloroform	14.8		"	10.0	1.08	137	51-138				
Chloromethane	17.4		"	10.0	0.00	174	0.5-273				
cis-1,2-Dichloroethylene	14.0		"	10.0	0.00	140	70-130	High Bias			
cis-1,3-Dichloropropylene	12.2		"	10.0	0.00	122	0.5-227				
Dibromochloromethane	12.6		"	10.0	0.00	126	53-149				
Ethyl Benzene	14.6		"	10.0	0.00	146	37-162				
Methylene chloride	12.8		"	10.0	0.00	128	0.5-221				
o-Xylene	14.5		"	10.0	0.00	145	70-130	High Bias			
p- & m- Xylenes	29.2		"	20.0	0.00	146	70-130	High Bias			
Tetrachloroethylene	7.01		"	10.0	0.00	70.1	64-148				
Toluene	13.5		"	10.0	0.00	135	70-130	High Bias			
trans-1,2-Dichloroethylene	14.7		"	10.0	0.00	147	54-156				
trans-1,3-Dichloropropylene	12.3		"	10.0	0.00	123	17-183				
Trichloroethylene	12.9		"	10.0	0.00	129	71-157				
Trichlorofluoromethane	19.0		"	10.0	0.00	190	17-181	High Bias			
Vinyl Chloride	17.0		"	10.0	0.00	170	0.5-251				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	78-126				
Surrogate: SURR: Toluene-d8	9.45		"	10.0		94.5	84-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		"	10.0		108	71-130				



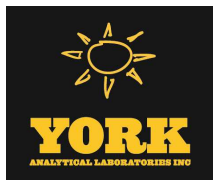
Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41893 - EPA 5030B

Matrix Spike Dup (BE41893-MSD1)		*Source sample: 24E1374-01 (EN1-M)				Prepared & Analyzed: 05/29/2024					
1,1,1-Trichloroethane	15.4		ug/L	10.0	0.00	154	52-162		0.195	30	
1,1,2,2-Tetrachloroethane	14.1		"	10.0	0.00	141	46-157		3.83	30	
1,1,2-Trichloroethane	12.1		"	10.0	0.00	121	52-150		3.34	30	
1,1-Dichloroethane	13.5		"	10.0	0.00	135	59-155		2.41	30	
1,1-Dichloroethylene	15.8		"	10.0	0.00	158	0.5-234		2.50	30	
1,2-Dichlorobenzene	12.6		"	10.0	0.00	126	18-190		2.44	30	
1,2-Dichloroethane	13.4		"	10.0	0.00	134	49-155		4.88	30	
1,2-Dichloropropane	12.5		"	10.0	0.00	125	0.5-210		2.83	30	
1,3-Dichlorobenzene	13.2		"	10.0	0.00	132	59-156		2.77	30	
1,4-Dichlorobenzene	12.9		"	10.0	0.00	129	18-190		3.80	30	
2-Chloroethylvinyl ether	0.00		"	10.0	0.00		20-305	Low Bias		30	
Benzene	14.2		"	10.0	0.00	142	37-151		2.43	30	
Bromodichloromethane	12.6		"	10.0	0.00	126	35-155		2.59	30	
Bromoform	11.4		"	10.0	0.00	114	45-169		2.69	30	
Bromomethane	8.87		"	10.0	0.00	88.7	0.5-242		6.52	30	
Carbon tetrachloride	15.1		"	10.0	0.00	151	70-140	High Bias	3.26	30	
Chlorobenzene	13.1		"	10.0	0.00	131	37-160		2.27	30	
Chloroethane	15.6		"	10.0	0.00	156	14-230		16.0	30	
Chloroform	14.6		"	10.0	1.08	135	51-138		1.70	30	
Chloromethane	15.4		"	10.0	0.00	154	0.5-273		12.4	30	
cis-1,2-Dichloroethylene	13.6		"	10.0	0.00	136	70-130	High Bias	2.17	30	
cis-1,3-Dichloropropylene	11.9		"	10.0	0.00	119	0.5-227		2.08	30	
Dibromochloromethane	12.3		"	10.0	0.00	123	53-149		2.50	30	
Ethyl Benzene	14.2		"	10.0	0.00	142	37-162		2.56	30	
Methylene chloride	12.3		"	10.0	0.00	123	0.5-221		3.91	30	
o-Xylene	14.1		"	10.0	0.00	141	70-130	High Bias	2.66	30	
p- & m- Xylenes	28.4		"	20.0	0.00	142	70-130	High Bias	2.78	30	
Tetrachloroethylene	6.94		"	10.0	0.00	69.4	64-148		1.00	30	
Toluene	13.1		"	10.0	0.00	131	70-130	High Bias	3.54	30	
trans-1,2-Dichloroethylene	14.6		"	10.0	0.00	146	54-156		0.751	30	
trans-1,3-Dichloropropylene	11.9		"	10.0	0.00	119	17-183		3.13	30	
Trichloroethylene	12.6		"	10.0	0.00	126	71-157		1.96	30	
Trichlorofluoromethane	17.4		"	10.0	0.00	174	17-181		8.97	30	
Vinyl Chloride	15.7		"	10.0	0.00	157	0.5-251		8.18	30	
Surrogate: SURR: 1,2-Dichloroethane-d4		10.2	"	10.0		102	78-126				
Surrogate: SURR: Toluene-d8		9.45	"	10.0		94.5	84-117				
Surrogate: SURR: p-Bromofluorobenzene		10.8	"	10.0		108	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

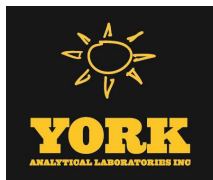
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41894 - EPA 5030B

Blank (BE41894-BLK1)

Prepared & Analyzed: 05/29/2024

1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2-Chloroethylvinyl ether	ND	20	"								
Benzene	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methylene chloride	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
1,2,3-Trimethylbenzene	ND	0.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.87		"	10.0		98.7	78-126				
Surrogate: SURR: Toluene-d8	9.98		"	10.0		99.8	84-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

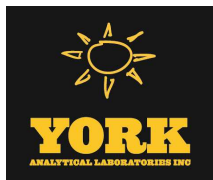
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41894 - EPA 5030B

LCS (BE41894-BS1)

Prepared & Analyzed: 05/29/2024

1,1,1-Trichloroethane	9.64		ug/L	10.0		96.4	75-125				
1,1,2,2-Tetrachloroethane	9.93		"	10.0		99.3	60-140				
1,1,2-Trichloroethane	8.57		"	10.0		85.7	71-129				
1,1-Dichloroethane	8.62		"	10.0		86.2	72-128				
1,1-Dichloroethylene	13.6		"	10.0		136	50-150				
1,2-Dichlorobenzene	8.36		"	10.0		83.6	63-137				
1,2-Dichloroethane	8.42		"	10.0		84.2	68-132				
1,2-Dichloropropane	8.57		"	10.0		85.7	34-166				
1,3-Dichlorobenzene	8.41		"	10.0		84.1	73-127				
1,4-Dichlorobenzene	8.27		"	10.0		82.7	63-137				
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias			
Benzene	9.20		"	10.0		92.0	64-136				
Bromodichloromethane	8.79		"	10.0		87.9	65-135				
Bromoform	9.17		"	10.0		91.7	71-129				
Bromomethane	14.5		"	10.0		145	14-186				
Carbon tetrachloride	13.1		"	10.0		131	73-127	High Bias			
Chlorobenzene	8.64		"	10.0		86.4	66-134				
Chloroethane	9.88		"	10.0		98.8	38-162				
Chloroform	8.46		"	10.0		84.6	67-133				
Chloromethane	11.0		"	10.0		110	0.5-204				
cis-1,2-Dichloroethylene	8.70		"	10.0		87.0	70-130				
cis-1,3-Dichloropropylene	8.53		"	10.0		85.3	24-176				
Dibromochloromethane	8.91		"	10.0		89.1	67-133				
Ethyl Benzene	10.3		"	10.0		103	59-141				
Methylene chloride	10.2		"	10.0		102	60-140				
o-Xylene	8.82		"	10.0		88.2	70-130				
p- & m- Xylenes	19.8		"	20.0		99.2	70-130				
Tetrachloroethylene	4.82		"	10.0		48.2	73-127	Low Bias			
Toluene	10.4		"	10.0		104	74-126				
trans-1,2-Dichloroethylene	9.26		"	10.0		92.6	69-131				
trans-1,3-Dichloropropylene	8.68		"	10.0		86.8	50-150				
Trichloroethylene	8.19		"	10.0		81.9	66-134				
Trichlorofluoromethane	15.1		"	10.0		151	48-152				
Vinyl Chloride	11.6		"	10.0		116	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.80		"	10.0		98.0	78-126				
Surrogate: SURR: Toluene-d8	9.99		"	10.0		99.9	84-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

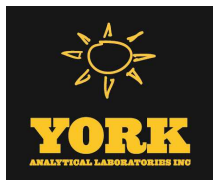
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41894 - EPA 5030B

LCS Dup (BE41894-BSD1)

Prepared & Analyzed: 05/29/2024

1,1,1-Trichloroethane	9.48		ug/L	10.0		94.8	75-125		1.67	30	
1,1,2,2-Tetrachloroethane	9.75		"	10.0		97.5	60-140		1.83	30	
1,1,2-Trichloroethane	8.44		"	10.0		84.4	71-129		1.53	30	
1,1-Dichloroethane	8.38		"	10.0		83.8	72-128		2.82	30	
1,1-Dichloroethylene	13.3		"	10.0		133	50-150		2.53	30	
1,2-Dichlorobenzene	8.24		"	10.0		82.4	63-137		1.45	30	
1,2-Dichloroethane	8.33		"	10.0		83.3	68-132		1.07	30	
1,2-Dichloropropane	8.31		"	10.0		83.1	34-166		3.08	30	
1,3-Dichlorobenzene	8.20		"	10.0		82.0	73-127		2.53	30	
1,4-Dichlorobenzene	8.10		"	10.0		81.0	63-137		2.08	30	
2-Chloroethylvinyl ether	0.00		"	10.0			20-224	Low Bias		30	
Benzene	8.95		"	10.0		89.5	64-136		2.75	30	
Bromodichloromethane	8.50		"	10.0		85.0	65-135		3.35	30	
Bromoform	9.07		"	10.0		90.7	71-129		1.10	30	
Bromomethane	13.9		"	10.0		139	14-186		4.15	30	
Carbon tetrachloride	13.0		"	10.0		130	73-127	High Bias	0.459	30	
Chlorobenzene	8.45		"	10.0		84.5	66-134		2.22	30	
Chloroethane	10.0		"	10.0		100	38-162		1.31	30	
Chloroform	8.21		"	10.0		82.1	67-133		3.00	30	
Chloromethane	10.4		"	10.0		104	0.5-204		5.34	30	
cis-1,2-Dichloroethylene	8.44		"	10.0		84.4	70-130		3.03	30	
cis-1,3-Dichloropropylene	8.28		"	10.0		82.8	24-176		2.97	30	
Dibromochloromethane	8.78		"	10.0		87.8	67-133		1.47	30	
Ethyl Benzene	10.1		"	10.0		101	59-141		1.76	30	
Methylene chloride	9.87		"	10.0		98.7	60-140		3.19	30	
o-Xylene	8.63		"	10.0		86.3	70-130		2.18	30	
p- & m- Xylenes	19.5		"	20.0		97.4	70-130		1.83	30	
Tetrachloroethylene	4.74		"	10.0		47.4	73-127	Low Bias	1.67	30	
Toluene	10.1		"	10.0		101	74-126		2.84	30	
trans-1,2-Dichloroethylene	8.91		"	10.0		89.1	69-131		3.85	30	
trans-1,3-Dichloropropylene	8.45		"	10.0		84.5	50-150		2.69	30	
Trichloroethylene	7.92		"	10.0		79.2	66-134		3.35	30	
Trichlorofluoromethane	15.8		"	10.0		158	48-152	High Bias	4.52	30	
Vinyl Chloride	11.5		"	10.0		115	4-196		0.782	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.88		"	10.0		98.8	78-126				
Surrogate: SURR: Toluene-d8	9.97		"	10.0		99.7	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.92		"	10.0		99.2	71-130				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41471 - EPA 3535A

Blank (BE41471-BLK1)

Prepared & Analyzed: 05/22/2024

1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.24		"	4.00		81.0	36.6-118				

LCS (BE41471-BS1)

Prepared & Analyzed: 05/22/2024

1,4-Dioxane	3.89	0.300	ug/L	4.00		97.2	50-130				
Surrogate: 1,4-Dioxane-d8	3.34		"	4.00		83.4	36.6-118				

Matrix Spike (BE41471-MS1)

*Source sample: 24E1407-05 (Matrix Spike)

Prepared & Analyzed: 05/22/2024

1,4-Dioxane	3.76	0.300	ug/L	4.00	ND	94.0	50-130				
Surrogate: 1,4-Dioxane-d8	3.10		"	4.00		77.4	50-130				

Matrix Spike Dup (BE41471-MSD1)

*Source sample: 24E1407-05 (Matrix Spike Dup)

Prepared & Analyzed: 05/22/2024

1,4-Dioxane	3.78	0.300	ug/L	4.00	ND	94.4	50-130		0.425	30	
Surrogate: 1,4-Dioxane-d8	3.56		"	4.00		88.9	50-130				

Batch BE41742 - EPA 3535A

Blank (BE41742-BLK1)

Prepared: 05/25/2024 Analyzed: 05/28/2024

1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.37		"	4.00		84.3	36.6-118				

LCS (BE41742-BS1)

Prepared: 05/25/2024 Analyzed: 05/28/2024

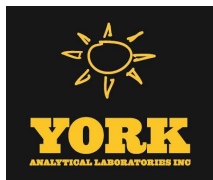
1,4-Dioxane	3.41	0.300	ug/L	4.00		85.2	50-130				
Surrogate: 1,4-Dioxane-d8	3.30		"	4.00		82.4	36.6-118				

Matrix Spike (BE41742-MS1)

*Source sample: 24E1374-01 (EN1-M)

Prepared: 05/25/2024 Analyzed: 05/28/2024

1,4-Dioxane	3.42	0.300	ug/L	4.00	0.304	78.0	50-130				
Surrogate: 1,4-Dioxane-d8	3.41		"	4.00		85.2	50-130				



Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41742 - EPA 3535A

Matrix Spike Dup (BE41742-MSD1)		*Source sample: 24E1374-01 (EN1-M)						Prepared: 05/25/2024 Analyzed: 05/28/2024			
1,4-Dioxane	3.57	0.300	ug/L	4.00	0.304	81.6	50-130		4.12	30	
Surrogate: 1,4-Dioxane-d8	2.89		"	4.00		72.2	50-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41687 - EPA 1633 Prep

Blank (BE41687-BLK1)

Prepared: 05/24/2024 Analyzed: 05/28/2024

Perfluorobutanesulfonic acid (PFBS)	ND	3.54	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	3.66	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	3.72	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
Perfluoropentanoic acid (PFPeA)	ND	8.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	4.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	3.82	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	3.86	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	15.2	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	15.4	"								
Perfluoro-n-butanoic acid (PFBA)	ND	16.0	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	7.12	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	8.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	8.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	8.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	3.76	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	15.0	"								
HFPO-DA (Gen-X)	ND	16.0	"								
11CL-PF3OUdS	ND	15.1	"								
9CL-PF3ONS	ND	15.0	"								
ADONA	ND	15.1	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	3.88	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	3.84	"								
3-Perfluoropropyl propanoic acid (FPrPA)	ND	10.0	"								
3-Perfluoropentyl propanoic acid (FPePA)	ND	50.0	"								
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	50.0	"								
N-MeFOSE	ND	40.0	"								
N-MeFOSA	ND	4.00	"								
N-EtFOSE	ND	40.0	"								
N-EtFOSA	ND	4.00	"								
Surrogate: M3PFBS	45.2		"	46.6		97.0	25-150				
Surrogate: M5PFHxA	49.6		"	50.0		99.3	25-150				
Surrogate: M4PFHpA	50.8		"	50.0		102	25-150				
Surrogate: M3PFHxS	47.0		"	47.4		99.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	48.4		"	50.0		96.7	25-150				
Surrogate: M6PFDA	23.9		"	25.0		95.5	25-150				
Surrogate: M7PFUdA	14.2		"	25.0		56.6	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41687 - EPA 1633 Prep

Blank (BE41687-BLK1)

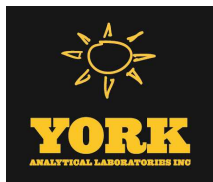
Prepared: 05/24/2024 Analyzed: 05/28/2024

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.98		ng/L	25.0		35.9	25-150				
Surrogate: M2PFTeDA	4.10		"	25.0		16.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	216		"	200		108	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	53.0		"	47.9		111	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	103		"	100		103	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	21.9		"	50.0		43.7	10-150				
Surrogate: d3-N-MeFOSAA	37.6		"	100		37.7	25-150				
Surrogate: d5-N-EtFOSAA	32.9		"	100		32.9	25-150				
Surrogate: M2-6:2 FTS	114		"	95.1		119	25-200				
Surrogate: M2-8:2 FTS	75.3		"	96.0		78.4	25-200				
Surrogate: M9PFNA	23.4		"	25.0		93.7	25-150				
Surrogate: M2-4:2 FTS	81.4		"	93.8		86.8	25-150				
Surrogate: d-N-MeFOSA	8.05		"	50.0		16.1	25-150				
Surrogate: d-N-EtFOSA	4.85		"	50.0		9.70	25-150				
Surrogate: M3HFPO-DA	199		"	200		99.4	25-150				
Surrogate: d9-N-EtFOSE	93.7		"	500		18.7	25-150				
Surrogate: d7-N-MeFOSE	152		"	500		30.4	25-150				

LCS (BE41687-BS1)

Prepared: 05/24/2024 Analyzed: 05/28/2024

Perfluorobutanesulfonic acid (PFBS)	75.1	3.54	ng/L	70.8		106	50-150				
Perfluorohexanoic acid (PFHxA)	86.4	4.00	"	80.0		108	50-150				
Perfluoroheptanoic acid (PFHpA)	87.1	4.00	"	80.0		109	50-150				
Perfluorohexanesulfonic acid (PFHxS)	76.8	3.66	"	73.2		105	50-150				
Perfluorooctanoic acid (PFOA)	76.6	4.00	"	80.0		95.8	50-150				
Perfluorooctanesulfonic acid (PFOS)	74.9	3.72	"	74.4		101	50-150				
Perfluorononanoic acid (PFNA)	89.0	4.00	"	80.0		111	50-150				
Perfluorodecanoic acid (PFDA)	75.8	4.00	"	80.0		94.7	50-150				
Perfluoroundecanoic acid (PFUnA)	88.7	4.00	"	80.0		111	50-150				
Perfluorododecanoic acid (PFDoA)	102	4.00	"	80.0		128	50-150				
Perfluorotridecanoic acid (PFTriDA)	118	4.00	"	80.0		147	50-150				
Perfluorotetradecanoic acid (PFTA)	75.3	4.00	"	80.0		94.1	50-150				
N-MeFOSAA	81.6	4.00	"	80.0		102	50-150				
N-EtFOSAA	81.8	4.00	"	80.0		102	50-150				
Perfluoropentanoic acid (PFPeA)	166	8.00	"	160		104	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	57.5	4.00	"	80.0		71.9	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.2	3.82	"	76.4		104	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	71.5	3.86	"	77.2		92.7	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	275	15.2	"	304		90.3	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	356	15.4	"	307		116	50-150				
Perfluoro-n-butanoic acid (PFBA)	331	16.0	"	320		103	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	175	7.12	"	142		123	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	193	8.00	"	160		121	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	155	8.00	"	160		96.9	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	160	8.00	"	160		100	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	78.1	3.76	"	75.2		104	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

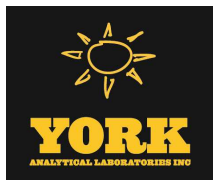
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41687 - EPA 1633 Prep

LCS (BE41687-BS1)

Prepared: 05/24/2024 Analyzed: 05/28/2024

1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	279	15.0	ng/L	300		92.9	50-150				
HFPO-DA (Gen-X)	197	16.0	"	160		123	50-150				
11CL-PF3OUdS	123	15.1	"	151		81.2	50-150				
9CL-PF3ONS	129	15.0	"	150		86.5	50-150				
ADONA	161	15.1	"	151		106	50-150				
Perfluorododecanesulfonic acid (PFDoS)	40.7	3.88	"	77.6		52.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	62.5	3.84	"	76.8		81.4	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	346	10.0	"	320		108	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	1900	50.0	"	1600		119	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	1860	50.0	"	1600		116	50-150				
N-MeFOSE	777	40.0	"	800		97.2	50-150				
N-MeFOSA	71.4	4.00	"	80.0		89.3	50-150				
N-EtFOSE	793	40.0	"	800		99.1	50-150				
N-EtFOSA	69.6	4.00	"	80.0		87.0	50-150				
Surrogate: M3PFBS	52.0		"	46.6		112	25-150				
Surrogate: M5PFHxA	50.9		"	50.0		102	25-150				
Surrogate: M4PFHpA	52.9		"	50.0		106	25-150				
Surrogate: M3PFHxS	56.2		"	47.4		119	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	50.1		"	50.0		100	25-150				
Surrogate: M6PFDA	26.8		"	25.0		107	25-150				
Surrogate: M7PFUdA	15.4		"	25.0		61.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.4		"	25.0		41.7	25-150				
Surrogate: M2PFTeDA	5.77		"	25.0		23.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	227		"	200		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	57.7		"	47.9		120	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	111		"	100		111	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.6		"	50.0		45.3	10-150				
Surrogate: d3-N-MeFOSAA	46.5		"	100		46.5	25-150				
Surrogate: d5-N-EtFOSAA	36.0		"	100		36.0	25-150				
Surrogate: M2-6:2 FTS	137		"	95.1		144	25-200				
Surrogate: M2-8:2 FTS	107		"	96.0		111	25-200				
Surrogate: M9PFNA	23.3		"	25.0		93.2	25-150				
Surrogate: M2-4:2 FTS	103		"	93.8		109	25-150				
Surrogate: d-N-MeFOSA	9.81		"	50.0		19.6	25-150				
Surrogate: d-N-EtFOSA	7.78		"	50.0		15.6	25-150				
Surrogate: M3HFPO-DA	210		"	200		105	25-150				
Surrogate: d9-N-EtFOSE	124		"	500		24.9	25-150				
Surrogate: d7-N-MeFOSE	194		"	500		38.8	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

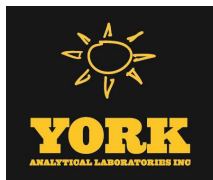
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41687 - EPA 1633 Prep

LCS (BE41687-BS2)

Prepared: 05/24/2024 Analyzed: 05/28/2024

Perfluorobutanesulfonic acid (PFBS)	15.4	3.54	ng/L	14.2		109	50-150				
Perfluorohexanoic acid (PFHxA)	17.1	4.00	"	16.0		107	50-150				
Perfluoroheptanoic acid (PFHpA)	17.6	4.00	"	16.0		110	50-150				
Perfluorohexanesulfonic acid (PFHxS)	17.0	3.66	"	14.6		116	50-150				
Perfluorooctanoic acid (PFOA)	14.7	4.00	"	16.0		92.0	50-150				
Perfluorooctanesulfonic acid (PFOS)	16.5	3.72	"	14.9		111	50-150				
Perfluorononanoic acid (PFNA)	15.1	4.00	"	16.0		94.2	50-150				
Perfluorodecanoic acid (PFDA)	14.4	4.00	"	16.0		90.0	50-150				
Perfluoroundecanoic acid (PFUnA)	18.4	4.00	"	16.0		115	50-150				
Perfluorododecanoic acid (PFDoA)	18.2	4.00	"	16.0		114	50-150				
Perfluorotridecanoic acid (PFTriDA)	20.6	4.00	"	16.0		129	50-150				
Perfluorotetradecanoic acid (PFTA)	14.0	4.00	"	16.0		87.5	50-150				
N-MeFOSAA	14.4	4.00	"	16.0		90.2	50-150				
N-EtFOSAA	18.5	4.00	"	16.0		116	50-150				
Perfluoropentanoic acid (PFPeA)	33.2	8.00	"	32.0		104	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	12.2	4.00	"	16.0		76.5	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	15.0	3.82	"	15.3		98.3	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	15.6	3.86	"	15.4		101	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	58.0	15.2	"	60.8		95.4	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	79.2	15.4	"	61.4		129	50-150				
Perfluoro-n-butanoic acid (PFBA)	65.2	16.0	"	64.0		102	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	33.0	7.12	"	28.5		116	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	33.1	8.00	"	32.0		104	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	31.2	8.00	"	32.0		97.6	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	32.0	8.00	"	32.0		100	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	15.6	3.76	"	15.0		104	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	58.2	15.0	"	60.0		97.1	50-150				
HFPO-DA (Gen-X)	32.7	16.0	"	32.0		102	50-150				
11CL-PF3OUdS	24.6	15.1	"	30.2		81.5	50-150				
9CL-PF3ONS	27.0	15.0	"	29.9		90.3	50-150				
ADONA	31.6	15.1	"	30.2		105	50-150				
Perfluorododecanesulfonic acid (PFDoS)	9.83	3.88	"	15.5		63.4	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	11.7	3.84	"	15.4		75.9	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	68.6	10.0	"	64.0		107	50-150				
3-Perfluoropentyl propanoic acid (FPePA)	369	50.0	"	320		115	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	380	50.0	"	320		119	50-150				
N-MeFOSE	151	40.0	"	160		94.4	50-150				
N-MeFOSA	12.1	4.00	"	16.0		75.4	50-150				
N-EtFOSE	171	40.0	"	160		107	50-150				
N-EtFOSA	21.6	4.00	"	16.0		135	50-150				
Surrogate: M3PFBS	47.8		"	46.6		103	25-150				
Surrogate: M5PFHxA	53.3		"	50.0		107	25-150				
Surrogate: M4PFHpA	50.9		"	50.0		102	25-150				
Surrogate: M3PFHxS	52.2		"	47.4		110	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	52.3		"	50.0		105	25-150				
Surrogate: M6PFDA	24.1		"	25.0		96.4	25-150				
Surrogate: M7PFUdA	14.3		"	25.0		57.2	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41687 - EPA 1633 Prep

LCS (BE41687-BS2)

Prepared: 05/24/2024 Analyzed: 05/28/2024

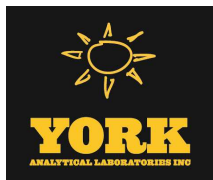
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.3		ng/L	25.0		41.3	25-150				
Surrogate: M2PFTeDA	5.88		"	25.0		23.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	229		"	200		115	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	65.1		"	47.9		136	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	113		"	100		113	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.4		"	50.0		50.8	10-150				
Surrogate: d3-N-MeFOSAA	49.9		"	100		49.9	25-150				
Surrogate: d5-N-EtFOSAA	43.3		"	100		43.3	25-150				
Surrogate: M2-6:2 FTS	112		"	95.1		117	25-200				
Surrogate: M2-8:2 FTS	88.2		"	96.0		91.9	25-200				
Surrogate: M9PFNA	27.6		"	25.0		110	25-150				
Surrogate: M2-4:2 FTS	84.4		"	93.8		89.9	25-150				
Surrogate: d-N-MeFOSA	10.4		"	50.0		20.9	25-150				
Surrogate: d-N-EtFOSA	7.06		"	50.0		14.1	25-150				
Surrogate: M3HFPO-DA	209		"	200		104	25-150				
Surrogate: d9-N-EtFOSE	133		"	500		26.5	25-150				
Surrogate: d7-N-MeFOSE	225		"	500		45.0	25-150				

Matrix Spike (BE41687-MS1)

*Source sample: 24E1374-01 (EN1-M)

Prepared: 05/24/2024 Analyzed: 05/29/2024

Perfluorobutanesulfonic acid (PFBS)	34.6	1.61	ng/L	32.1	0.578	106	25-150				
Perfluorohexanoic acid (PFHxA)	46.0	1.81	"	36.3	5.83	111	25-150				
Perfluoroheptanoic acid (PFHpA)	38.3	1.81	"	36.3	ND	106	25-150				
Perfluorohexanesulfonic acid (PFHxS)	44.1	1.66	"	33.2	9.66	104	25-150				
Perfluorooctanoic acid (PFOA)	39.1	1.81	"	36.3	4.88	94.3	25-150				
Perfluorooctanesulfonic acid (PFOS)	33.0	1.69	"	33.7	2.10	91.5	25-150				
Perfluorononanoic acid (PFNA)	35.1	1.81	"	36.3	ND	96.7	25-150				
Perfluorodecanoic acid (PFDA)	32.9	1.81	"	36.3	ND	90.6	25-150				
Perfluoroundecanoic acid (PFUnA)	35.8	1.81	"	36.3	ND	98.8	25-150				
Perfluorododecanoic acid (PFDoA)	35.5	1.81	"	36.3	ND	97.8	25-150				
Perfluorotridecanoic acid (PFTriDA)	36.8	1.81	"	36.3	ND	102	25-150				
Perfluorotetradecanoic acid (PFTA)	32.3	1.81	"	36.3	ND	89.0	25-150				
N-MeFOSAA	43.0	1.81	"	36.3	ND	119	25-150				
N-EtFOSAA	40.2	1.81	"	36.3	ND	111	25-150				
Perfluoropentanoic acid (PFPeA)	79.8	3.63	"	72.5	5.45	103	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	27.8	1.81	"	36.3	ND	76.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	32.0	1.73	"	34.6	ND	92.3	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	25.2	1.75	"	35.0	ND	72.1	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	117	6.89	"	138	ND	84.6	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	155	6.96	"	139	ND	112	25-150				
Perfluoro-n-butanoic acid (PFBA)	147	7.25	"	145	ND	102	25-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	80.9	3.23	"	64.6	ND	125	25-150				
Perfluoro-3,6-dioxahheptanoic acid (NFDHA)	86.0	3.63	"	72.5	ND	119	25-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	48.6	3.63	"	72.5	ND	67.0	25-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	70.7	3.63	"	72.5	ND	97.5	25-150				
Perfluoro-1-pentanesulfonate (PFPeS)	36.1	1.70	"	34.1	ND	106	25-150				



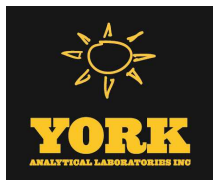
PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41687 - EPA 1633 Prep

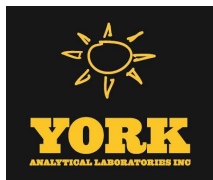
Matrix Spike (BE41687-MS1)	*Source sample: 24E1374-01 (EN1-M)						Prepared: 05/24/2024 Analyzed: 05/29/2024				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	122	6.80	ng/L	136	ND	89.7	25-150				
HFPO-DA (Gen-X)	79.3	7.25	"	72.5	ND	109	25-150				
11CL-PF3OUdS	48.7	6.86	"	68.6	ND	71.0	25-150				
9CL-PF3ONS	59.0	6.78	"	67.8	ND	87.0	25-150				
ADONA	74.0	6.86	"	68.6	ND	108	25-150				
Perfluorododecanesulfonic acid (PFDoS)	13.3	1.76	"	35.2	ND	37.9	25-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	23.5	1.74	"	34.8	ND	67.5	25-150				
3-Perfluoropropyl propanoic acid (FPrPA)	156	4.53	"	145	ND	108	25-150				
3-Perfluoropentyl propanoic acid (FPePA)	842	22.7	"	725	ND	116	25-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	859	22.7	"	725	ND	118	25-150				
N-MeFOSE	346	18.1	"	363	ND	95.4	25-150				
N-MeFOSA	31.8	1.81	"	36.3	ND	87.6	25-150				
N-EtFOSE	360	18.1	"	363	ND	99.4	25-150				
N-EtFOSA	29.2	1.81	"	36.3	ND	80.4	25-150				
Surrogate: M3PFBS	22.7		"	21.1		107	25-150				
Surrogate: M5PFHxA	24.6		"	22.7		109	25-150				
Surrogate: M4PFHpA	26.3		"	22.7		116	25-150				
Surrogate: M3PFHxS	24.6		"	21.5		114	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	24.8		"	22.7		109	25-150				
Surrogate: M6PFDA	13.1		"	11.3		115	25-150				
Surrogate: M7PFUdA	8.37		"	11.3		73.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	4.85		"	11.3		42.8	25-150				
Surrogate: M2PFTeDA	3.01		"	11.3		26.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	28.7		"	90.7		31.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	32.3		"	21.7		149	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	53.3		"	45.3		118	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	16.6		"	22.7		73.1	10-150				
Surrogate: d3-N-MeFOSAA	23.8		"	45.3		52.5	25-150				
Surrogate: d5-N-EtFOSAA	22.9		"	45.3		50.6	25-150				
Surrogate: M2-6:2 FTS	60.1		"	43.1		139	25-200				
Surrogate: M2-8:2 FTS	44.3		"	43.5		102	25-200				
Surrogate: M9PFNA	13.0		"	11.3		115	25-150				
Surrogate: M2-4:2 FTS	52.0		"	42.5		122	25-150				
Surrogate: d-N-MeFOSA	7.24		"	22.7		31.9	25-150				
Surrogate: d-N-EtFOSA	5.67		"	22.7		25.0	25-150				
Surrogate: M3HFPO-DA	102		"	90.7		112	25-150				
Surrogate: d9-N-EtFOSE	64.0		"	227		28.2	25-150				
Surrogate: d7-N-MeFOSE	93.3		"	227		41.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BE41687 - EPA 1633 Prep											
Matrix Spike Dup (BE41687-MSD1)		*Source sample: 24E1374-01 (EN1-M)					Prepared: 05/24/2024 Analyzed: 05/29/2024				
Perfluorobutanesulfonic acid (PFBS)	34.2	1.61	ng/L	32.3	0.578	104	25-150		0.965	35	
Perfluorohexanoic acid (PFHxA)	44.6	1.82	"	36.5	5.83	106	25-150		3.02	35	
Perfluoroheptanoic acid (PFHpA)	42.9	1.82	"	36.5	ND	118	25-150		11.2	35	
Perfluorohexanesulfonic acid (PFHxS)	42.1	1.67	"	33.4	9.66	97.1	25-150		4.61	35	
Perfluorooctanoic acid (PFOA)	37.7	1.82	"	36.5	4.88	89.9	25-150		3.71	35	
Perfluorooctanesulfonic acid (PFOS)	35.0	1.70	"	33.9	2.10	96.9	25-150		5.87	35	
Perfluorononanoic acid (PFNA)	38.9	1.82	"	36.5	ND	107	25-150		10.3	35	
Perfluorodecanoic acid (PFDA)	34.3	1.82	"	36.5	ND	93.9	25-150		4.19	35	
Perfluoroundecanoic acid (PFUnA)	42.1	1.82	"	36.5	ND	115	25-150		16.0	35	
Perfluorododecanoic acid (PFDoA)	39.0	1.82	"	36.5	ND	107	25-150		9.43	35	
Perfluorotridecanoic acid (PFTriDA)	74.0	1.82	"	36.5	ND	203	25-150	High Bias	67.1	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	36.2	1.82	"	36.5	ND	99.3	25-150		11.5	35	
N-MeFOSAA	41.5	1.82	"	36.5	ND	114	25-150		3.65	35	
N-EtFOSAA	41.4	1.82	"	36.5	ND	113	25-150		2.87	35	
Perfluoropentanoic acid (PFPeA)	79.0	3.65	"	73.0	5.45	101	25-150		1.10	35	
Perfluoro-1-octanesulfonamide (FOSA)	26.2	1.82	"	36.5	ND	71.8	25-150		5.88	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	34.6	1.74	"	34.9	ND	99.4	25-150		7.93	35	
Perfluoro-1-decanesulfonic acid (PFDS)	18.2	1.76	"	35.2	ND	51.7	25-150		32.3	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	117	6.93	"	139	ND	84.5	25-150		0.438	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	155	7.01	"	140	ND	111	25-150		0.242	35	
Perfluoro-n-butanoic acid (PFBA)	148	7.30	"	146	ND	102	25-150		0.750	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	80.0	3.25	"	65.0	ND	123	25-150		1.10	30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	78.8	3.65	"	73.0	ND	108	25-150		8.76	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	49.4	3.65	"	73.0	ND	67.7	25-150		1.65	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	71.2	3.65	"	73.0	ND	97.6	25-150		0.694	30	
Perfluoro-1-pentanesulfonate (PFPeS)	34.0	1.72	"	34.3	ND	99.2	25-150		6.08	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	124	6.84	"	137	ND	90.9	25-150		1.88	30	
HFPO-DA (Gen-X)	80.5	7.30	"	73.0	ND	110	25-150		1.50	30	
11CL-PF3OUdS	22.3	6.90	"	69.0	ND	32.4	25-150		74.3	30	Non-dir.
9CL-PF3ONS	60.6	6.82	"	68.2	ND	88.8	25-150		2.69	30	
ADONA	75.8	6.90	"	69.0	ND	110	25-150		2.48	30	
Perfluorododecanesulfonic acid (PFDoS)	4.25	1.77	"	35.4	ND	12.0	25-150	Low Bias	103	30	Non-dir.
Perfluoro-1-nonanesulfonic acid (PFNS)	22.2	1.75	"	35.0	ND	63.3	25-150		5.70	30	
3-Perfluoropropyl propanoic acid (FPrPA)	160	4.56	"	146	ND	110	25-150		2.53	30	
3-Perfluoropentyl propanoic acid (FPePA)	802	22.8	"	730	ND	110	25-150		4.89	30	
3-Perfluoroheptyl propanoic acid (FHpPA)	818	22.8	"	730	ND	112	25-150		4.94	30	
N-MeFOSE	352	18.2	"	365	ND	96.4	25-150		1.72	30	
N-MeFOSA	30.3	1.82	"	36.5	ND	83.1	25-150		4.65	30	
N-EtFOSE	415	18.2	"	365	ND	114	25-150		14.0	30	
N-EtFOSA	24.4	1.82	"	36.5	ND	67.0	25-150		17.6	30	
Surrogate: M3PFBS	27.3		"	21.3		129	25-150				
Surrogate: M5PFHxA	30.9		"	22.8		136	25-150				
Surrogate: M4PFHpA	28.6		"	22.8		125	25-150				
Surrogate: M3PFHxS	30.4		"	21.6		140	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	29.9		"	22.8		131	25-150				
Surrogate: M6PFDA	13.7		"	11.4		120	25-150				
Surrogate: M7PFUdA	6.37		"	11.4		55.9	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41687 - EPA 1633 Prep

Matrix Spike Dup (BE41687-MSD1)	*Source sample: 24E1374-01 (EN1-M)					Prepared: 05/24/2024 Analyzed: 05/29/2024					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.75		ng/L	11.4		24.1	25-150				
Surrogate: M2PFTeDA	0.523		"	11.4		4.59	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	28.5		"	91.2		31.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	34.3		"	21.9		157	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	66.4		"	45.6		146	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	19.7		"	22.8		86.2	10-150				
Surrogate: d3-N-MeFOSAA	25.6		"	45.6		56.1	25-150				
Surrogate: d5-N-EtFOSAA	18.4		"	45.6		40.4	25-150				
Surrogate: M2-6:2 FTS	71.5		"	43.4		165	25-200				
Surrogate: M2-8:2 FTS	53.3		"	43.8		122	25-200				
Surrogate: M9PFNA	15.7		"	11.4		138	25-150				
Surrogate: M2-4:2 FTS	59.7		"	42.8		140	25-150				
Surrogate: d-N-MeFOSA	6.76		"	22.8		29.7	25-150				
Surrogate: d-N-EtFOSA	3.23		"	22.8		14.1	25-150				
Surrogate: M3HFPO-DA	122		"	91.2		133	25-150				
Surrogate: d9-N-EtFOSE	17.1		"	228		7.49	25-150				
Surrogate: d7-N-MeFOSE	39.7		"	228		17.4	25-150				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41670 - EPA 3015A

Blank (BE41670-BLK1)

Prepared & Analyzed: 05/24/2024

Aluminum	ND	0.0556	mg/L
Hardness, Total	ND	1.11	"
Calcium	ND	0.0556	"
Chromium	ND	0.00556	"
Iron	ND	0.278	"
Magnesium	ND	0.0556	"
Potassium	ND	0.0556	"
Sodium	ND	0.556	"

LCS (BE41670-BS1)

Prepared & Analyzed: 05/24/2024

Aluminum	1.92	ug/mL	2.00	96.0	80-120
Calcium	1.27	"	1.00	127	80-120 High Bias
Chromium	0.208	"	0.200	104	80-120
Iron	1.01	"	1.00	101	80-120
Magnesium	0.953	"	1.00	95.3	80-120
Potassium	0.797	"	1.00	79.7	80-120 Low Bias
Sodium	1.08	"	1.00	108	80-120

Duplicate (BE41670-DUP1)

*Source sample: 24E1374-01 (EN1-M)

Prepared & Analyzed: 05/24/2024

Aluminum	0.0616	0.0556	mg/L	0.0670	8.34	20
Hardness, Total	ND	1.11	"	105		20
Calcium	25.2	0.0556	"	26.1	3.73	20
Chromium	0.107	0.00556	"	0.103	3.68	20
Iron	0.784	0.278	"	0.795	1.39	20
Magnesium	9.54	0.0556	"	9.61	0.781	20
Potassium	1.72	0.0556	"	2.01	15.4	20
Sodium	28.2	0.556	"	29.3	3.64	20



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41670 - EPA 3015A

Matrix Spike (BE41670-MS1)		*Source sample: 24E1374-01 (EN1-M)					Prepared & Analyzed: 05/24/2024				
Aluminum	2.20	0.0556	mg/L	2.22	0.0670	95.8	75-125				
Chromium	0.333	0.00556	"	0.222	0.103	104	75-125				
Iron	1.90	0.278	"	1.11	0.795	99.8	75-125				

Post Spike (BE41670-PS1)		*Source sample: 24E1374-01 (EN1-M)					Prepared & Analyzed: 05/24/2024				
Aluminum	2.05		ug/mL	2.00	0.0603	99.4	75-125				
Calcium	23.5		"	1.00	23.5	3.03	75-125	Low Bias			
Chromium	0.300		"	0.200	0.0930	103	75-125				
Iron	1.73		"	1.00	0.716	102	75-125				
Magnesium	9.54		"	1.00	8.65	88.4	75-125				
Potassium	2.49		"	1.00	1.81	68.1	75-125	Low Bias			
Sodium	24.7		"	1.00	26.4	NR	75-125	Low Bias			

Batch BE41791 - EPA 3015A

Blank (BE41791-BLK1)		Prepared & Analyzed: 05/28/2024									
Aluminum	ND	0.0556	mg/L								
Hardness, Total	ND	1.11	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Iron	ND	0.278	"								
Magnesium	ND	0.0556	"								
Potassium	ND	0.0556	"								
Sodium	ND	0.556	"								

LCS (BE41791-BS1)		Prepared: 05/28/2024 Analyzed: 05/29/2024									
Aluminum	1.95		ug/mL	2.00		97.7	80-120				
Calcium	1.02		"	1.00		102	80-120				
Chromium	0.212		"	0.200		106	80-120				
Iron	0.994		"	1.00		99.4	80-120				
Magnesium	0.976		"	1.00		97.6	80-120				
Potassium	1.04		"	1.00		104	80-120				
Sodium	1.14		"	1.00		114	80-120				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

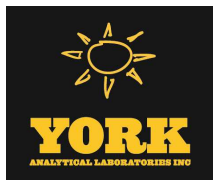
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41791 - EPA 3015A

Duplicate (BE41791-DUP1)		*Source sample: 24E1419-06 (Duplicate)					Prepared & Analyzed: 05/28/2024				
Aluminum	16.8	0.0556	mg/L		8.36				67.2	20	Non-dir.
Hardness, Total	ND	1.11	"		ND					20	
Calcium	87.9	0.0556	"		88.1				0.218	20	
Chromium	0.0361	0.00556	"		0.0225				46.1	20	Non-dir.
Iron	19.8	0.278	"		9.61				69.1	20	Non-dir.
Magnesium	11.2	0.0556	"		9.82				13.1	20	
Potassium	10.9	0.0556	"		9.17				17.5	20	
Sodium	174	0.556	"		171				1.81	20	

Matrix Spike (BE41791-MS1)		*Source sample: 24E1419-06 (Matrix Spike)					Prepared & Analyzed: 05/28/2024				
Aluminum	27.6	0.0556	mg/L	2.22	8.36	866	75-125	High Bias			
Chromium	0.267	0.00556	"	0.222	0.0225	110	75-125				
Iron	30.7	0.278	"	1.11	9.61	NR	75-125	High Bias			

Post Spike (BE41791-PS1)		*Source sample: 24E1419-06 (Post Spike)					Prepared & Analyzed: 05/28/2024				
Aluminum	9.38		ug/mL	2.00	7.52	92.8	75-125				
Calcium	79.5		"	1.00	79.3	21.2	75-125	Low Bias			
Chromium	0.226		"	0.200	0.0203	103	75-125				
Iron	9.75		"	1.00	8.65	110	75-125				
Magnesium	9.82		"	1.00	8.83	98.6	75-125				
Potassium	9.28		"	1.00	8.25	102	75-125				
Sodium	157		"	1.00	154	326	75-125	High Bias			



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41672 - EPA 3015A

Blank (BE41672-BLK1)

Prepared & Analyzed: 05/24/2024

Arsenic	ND	1.11	ug/L
Cadmium	ND	0.556	"
Lead	ND	1.11	"

LCS (BE41672-BS1)

Prepared & Analyzed: 05/24/2024

Arsenic	48.2	ug/L	50.0	96.4	80-120
Cadmium	50.0	"	50.0	99.9	80-120
Lead	48.8	"	50.0	97.6	80-120

Duplicate (BE41672-DUP1)

*Source sample: 24E1374-01 (EN1-M)

Prepared & Analyzed: 05/24/2024

Arsenic	ND	1.11	ug/L	ND	20
Cadmium	ND	0.556	"	ND	20
Lead	ND	1.11	"	ND	20

Matrix Spike (BE41672-MS1)

*Source sample: 24E1374-01 (EN1-M)

Prepared & Analyzed: 05/24/2024

Arsenic	48.1	ug/L	50.0	0.135	95.9	75-125
Cadmium	48.8	"	50.0	0.087	97.3	75-125
Lead	45.6	"	50.0	0.380	90.5	75-125

Batch BE41796 - EPA 3015A

Blank (BE41796-BLK1)

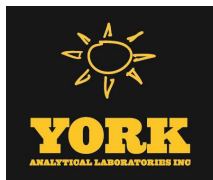
Prepared: 05/28/2024 Analyzed: 05/29/2024

Arsenic	ND	1.11	ug/L
Cadmium	ND	0.556	"
Lead	ND	1.11	"

LCS (BE41796-BS1)

Prepared: 05/28/2024 Analyzed: 05/29/2024

Arsenic	50.6	ug/L	50.0	101	80-120
Cadmium	57.4	"	50.0	115	80-120
Lead	48.2	"	50.0	96.4	80-120

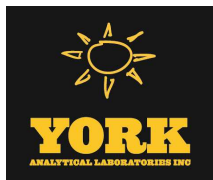


Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41796 - EPA 3015A

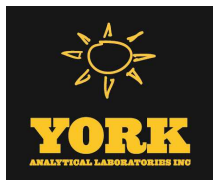
Duplicate (BE41796-DUP1)		*Source sample: 24E1374-06 (Blind Duplicate-1)						Prepared: 05/28/2024 Analyzed: 05/29/2024			
Arsenic	1.55	1.11	ug/L		1.35				14.1	20	
Cadmium	ND	0.556	"		ND					20	
Lead	1.89	1.11	"		1.80				5.04	20	
Matrix Spike (BE41796-MS1)		*Source sample: 24E1374-06 (Blind Duplicate-1)						Prepared: 05/28/2024 Analyzed: 05/29/2024			
Arsenic	56.7		ug/L	50.0	1.21	111	75-125				
Cadmium	56.2		"	50.0	0.059	112	75-125				
Lead	45.2		"	50.0	1.62	87.3	75-125				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

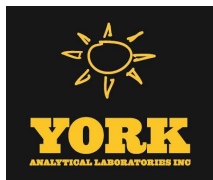
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41783 - EPA 245.1 Mercury											
Blank (BE41783-BLK1)											
Prepared & Analyzed: 05/28/2024											
Mercury	ND	0.0002000	mg/L								
LCS (BE41783-BS1)											
Prepared & Analyzed: 05/28/2024											
Mercury	0.002130	0.0002000	mg/L	0.00200		107	75-125				
Duplicate (BE41783-DUP1)											
*Source sample: 24E1374-01 (EN1-M)											
Prepared & Analyzed: 05/28/2024											
Mercury	ND	0.0002000	mg/L		ND					20	
Matrix Spike (BE41783-MS1)											
*Source sample: 24E1374-01 (EN1-M)											
Prepared & Analyzed: 05/28/2024											
Mercury	0.001291	0.0002000	mg/L	0.00200	ND	64.6	75-125	Low Bias			
Matrix Spike Dup (BE41783-MSD1)											
*Source sample: 24E1374-01 (EN1-M)											
Prepared & Analyzed: 05/28/2024											
Mercury	0.002335	0.0002000	mg/L	0.00200	ND	117	75-125		57.5	20	Non-dir.



Anions by Ion Chromatography - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41531 - EPA 300											
Blank (BE41531-BLK1)											
										Prepared & Analyzed: 05/22/2024	
Nitrate as N	ND	0.0500	mg/L								
Sulfate	ND	1.00	"								
LCS (BE41531-BS1)											
										Prepared & Analyzed: 05/22/2024	
Nitrate as N	10.9	0.0500	mg/L	10.0		109	90-110				
Sulfate	10.8	1.00	"	10.0		108	85-115				
Duplicate (BE41531-DUP1)											
*Source sample: 24E1374-01 (EN1-M)										Prepared & Analyzed: 05/22/2024	
Nitrate as N	7.97	0.0500	mg/L		7.91				0.776	15	
Sulfate	34.0	1.00	"		37.1				8.78	15	
Duplicate (BE41531-DUP2)											
*Source sample: 24E1424-04 (Duplicate)										Prepared & Analyzed: 05/22/2024	
Nitrate as N	0.0468	0.0500	mg/L		0.0463				1.07	15	
Sulfate	4.56	1.00	"		4.55				0.0768	15	
Matrix Spike (BE41531-MS1)											
*Source sample: 24E1374-01 (EN1-M)										Prepared & Analyzed: 05/22/2024	
Nitrate as N	18.3	0.0500	mg/L	10.0	7.91	104	90-110				
Sulfate	42.9	1.00	"	10.0	37.1	58.1	85-115	Low Bias			
Matrix Spike (BE41531-MS2)											
*Source sample: 24E1424-04 (Matrix Spike)										Prepared & Analyzed: 05/22/2024	
Nitrate as N	11.1	0.0500	mg/L	10.0	0.0463	110	90-110				
Sulfate	15.1	1.00	"	10.0	4.55	106	85-115				
Matrix Spike Dup (BE41531-MSD1)											
*Source sample: 24E1374-01 (EN1-M)										Prepared & Analyzed: 05/22/2024	
Nitrate as N	18.4	0.0500	mg/L	10.0	7.91	105	90-110		0.899	200	
Sulfate	42.8	1.00	"	10.0	37.1	57.1	85-115	Low Bias	0.228	20	
Matrix Spike Dup (BE41531-MSD2)											
*Source sample: 24E1424-04 (Matrix Spike Dup)										Prepared & Analyzed: 05/22/2024	
Nitrate as N	11.1	0.0500	mg/L	10.0	0.0463	110	90-110		0.00631	200	
Sulfate	14.7	1.00	"	10.0	4.55	101	85-115		3.19	20	



Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41537 - EPA 300											
Blank (BE41537-BLK1)											
										Prepared & Analyzed: 05/21/2024	
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BE41537-BS1)											
										Prepared & Analyzed: 05/21/2024	
Chloride	10.1	0.500	mg/L	10.0		101	90-110				
Nitrate as N	10.3	0.0500	"	10.0		103	90-110				
Sulfate	9.49	1.00	"	10.0		94.9	85-115				
Duplicate (BE41537-DUP1)											
*Source sample: 24E1327-01 (Duplicate)										Prepared & Analyzed: 05/21/2024	
Chloride	32.2	0.500	mg/L		32.0				0.395	15	
Nitrate as N	0.372	0.0500	"		0.349				6.52	15	
Sulfate	32.4	1.00	"		32.2				0.535	15	
Duplicate (BE41537-DUP2)											
*Source sample: 24E1327-02 (Duplicate)										Prepared & Analyzed: 05/21/2024	
Chloride	11.5	0.500	mg/L		11.7				1.17	15	
Nitrate as N	4.72	0.0500	"		4.97				5.17	15	
Sulfate	71.4	1.00	"		71.9				0.697	15	
Matrix Spike (BE41537-MS1)											
*Source sample: 24E1327-01 (Matrix Spike)										Prepared & Analyzed: 05/21/2024	
Chloride	38.4	0.500	mg/L	10.0	32.0	63.5	85-115	Low Bias			
Nitrate as N	8.43	0.0500	"	10.0	0.349	80.9	90-110	Low Bias			
Sulfate	38.6	1.00	"	10.0	32.2	63.3	85-115	Low Bias			
Matrix Spike (BE41537-MS2)											
*Source sample: 24E1327-02 (Matrix Spike)										Prepared & Analyzed: 05/21/2024	
Chloride	20.7	0.500	mg/L	10.0	11.7	90.1	85-115				
Nitrate as N	15.0	0.0500	"	10.0	4.97	100	90-110				
Sulfate	75.2	1.00	"	10.0	71.9	33.6	85-115	Low Bias			



Anions by Ion Chromatography - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

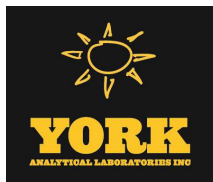
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41537 - EPA 300

Matrix Spike Dup (BE41537-MSD1)		*Source sample: 24E1327-01 (Matrix Spike Dup)						Prepared & Analyzed: 05/21/2024			
Chloride	38.5	0.500	mg/L	10.0	32.0	64.3	85-115	Low Bias	0.209	20	
Nitrate as N	8.23	0.0500	"	10.0	0.349	78.8	90-110	Low Bias	2.41	200	
Sulfate	38.8	1.00	"	10.0	32.2	65.3	85-115	Low Bias	0.517	20	
Matrix Spike Dup (BE41537-MSD2)		*Source sample: 24E1327-02 (Matrix Spike Dup)						Prepared & Analyzed: 05/21/2024			
Chloride	20.7	0.500	mg/L	10.0	11.7	90.7	85-115		0.302	20	
Nitrate as N	15.1	0.0500	"	10.0	4.97	101	90-110		0.847	200	
Sulfate	74.6	1.00	"	10.0	71.9	27.6	85-115	Low Bias	0.803	20	

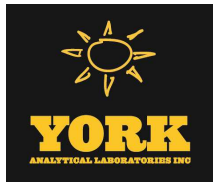
Batch BE42037 - EPA 300

Blank (BE42037-BLK1)		Prepared & Analyzed: 05/30/2024									
Chloride	ND	0.500	mg/L								
Sulfate	ND	1.00	"								
LCS (BE42037-BS1)		Prepared & Analyzed: 05/30/2024									
Chloride	10.1	0.500	mg/L	10.0		101	90-110				
Sulfate	10.1	1.00	"	10.0		101	85-115				
LCS (BE42037-BS2)		Prepared & Analyzed: 05/30/2024									
Chloride	10.3	0.500	mg/L	10.0		103	90-110				
Sulfate	10.8	1.00	"	10.0		108	85-115				
Duplicate (BE42037-DUP1)		*Source sample: 24E1374-01 (EN1-M)						Prepared & Analyzed: 05/30/2024			
Chloride	51.1	5.00	mg/L		50.8				0.666	15	
Duplicate (BE42037-DUP2)		*Source sample: 24E1374-02 (EN10-M)						Prepared & Analyzed: 05/30/2024			
Chloride	30.1	5.00	mg/L		30.5				1.21	15	
Sulfate	ND	10.0	"		27.6					15	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41771 - Analysis Preparation											
Blank (BE41771-BLK1)											
										Prepared & Analyzed: 05/28/2024	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L								
LCS (BE41771-BS1)											
										Prepared & Analyzed: 05/28/2024	
Ammonia Nitrogen as NH3	1.07	0.0500	mg/L				85-125				
Duplicate (BE41771-DUP1)											
*Source sample: 24E1374-01 (EN1-M)										Prepared & Analyzed: 05/28/2024	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L		ND					15	
Matrix Spike (BE41771-MS1)											
*Source sample: 24E1374-01 (EN1-M)										Prepared & Analyzed: 05/28/2024	
Ammonia Nitrogen as NH3	12.6	0.0500	mg/L		ND		80-120				
Matrix Spike Dup (BE41771-MSD1)											
*Source sample: 24E1374-01 (EN1-M)										Prepared & Analyzed: 05/28/2024	
Ammonia Nitrogen as NH3	13.2	0.0500	mg/L		ND		80-120		4.72	200	
Batch BE41955 - Analysis Preparation											
Duplicate (BE41955-DUP1)											
*Source sample: 24E1374-01 (EN1-M)										Prepared & Analyzed: 05/30/2024	
Alkalinity, total	36	2.0	mg/L		32				11.8	15	
Reference (BE41955-SRM1)											
										Prepared & Analyzed: 05/30/2024	
Alkalinity, total	96		mg/L	95.2		101	90-110				
Batch BE41956 - Analysis Preparation											
Blank (BE41956-BLK1)											
										Prepared & Analyzed: 05/30/2024	
Bicarbonate	ND	2.00	mg/L								

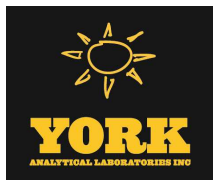


Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41956 - Analysis Preparation

Duplicate (BE41956-DUP1)		*Source sample: 24E1374-01 (EN1-M)						Prepared & Analyzed: 05/30/2024			
Bicarbonate	36.0	2.00	mg/L		32.0				11.8	15	



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE41447 - % Solids Prep

Blank (BE41447-BLK1)

Prepared & Analyzed: 05/21/2024

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BE41447-DUP1)

*Source sample: 24E1374-01 (EN1-M)

Prepared & Analyzed: 05/21/2024

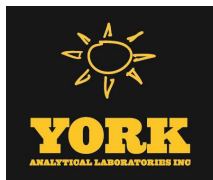
Total Dissolved Solids 285 10.0 mg/L 273 4.30 15

Duplicate (BE41447-DUP2)

*Source sample: 24E1428-01 (Duplicate)

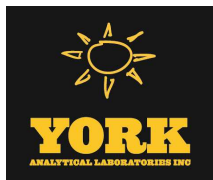
Prepared & Analyzed: 05/21/2024

Total Dissolved Solids 277 10.0 mg/L 284 2.50 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24E1374-01	EN1-M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1374-02	EN10-M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1374-03	EN7-M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1374-04	Trip Blank-5/20/24	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1374-05	Field Blank-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24E1374-06	Blind Duplicate-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

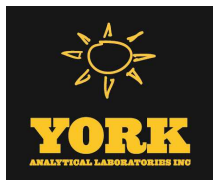


Sample and Data Qualifiers Relating to This Work Order

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) was outside the 90-110% recovery criteria.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

