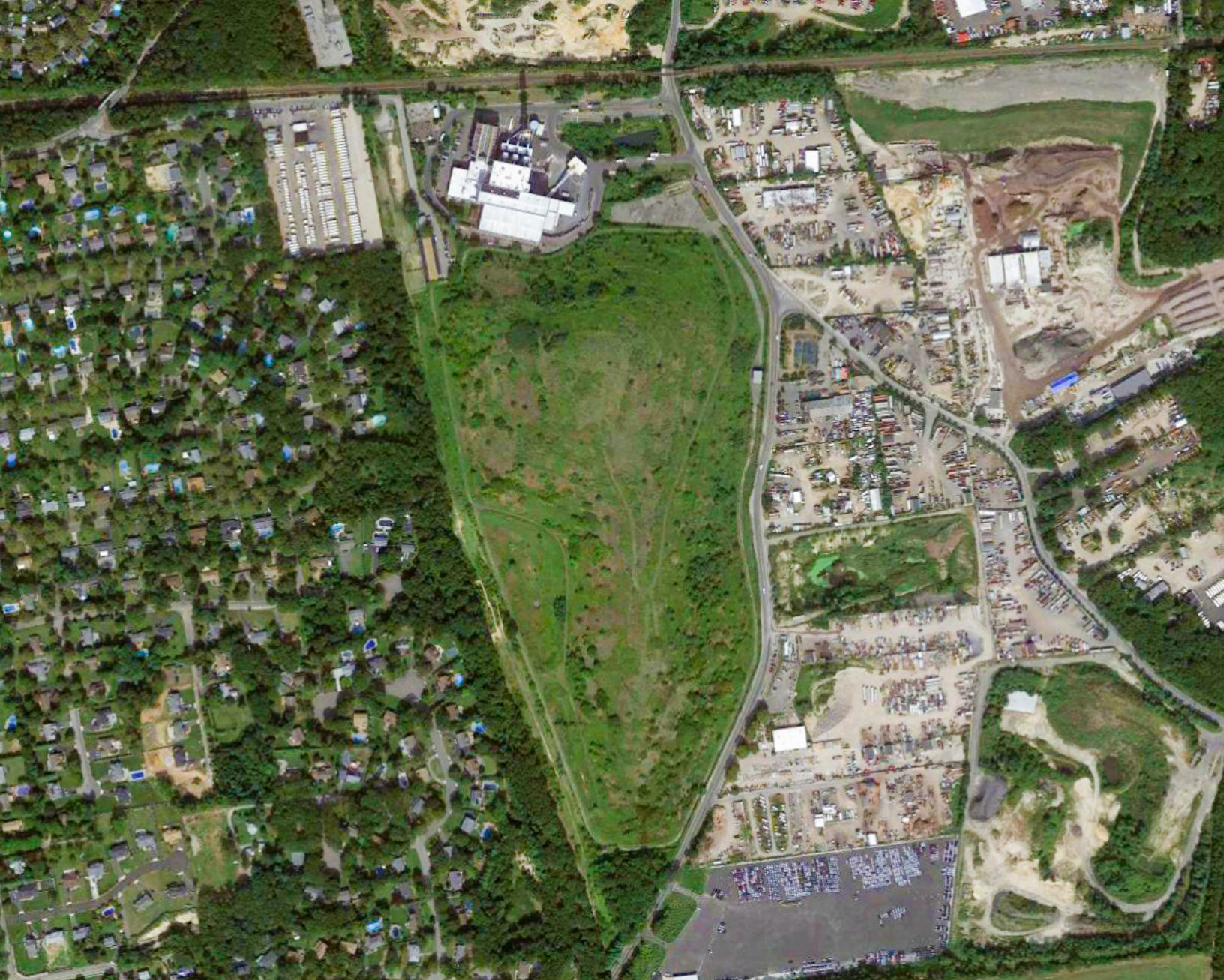




TOWN OF HUNTINGTON - EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING REPORT
FIRST SEMI-ANNUAL REPORT 2023



D&B ENGINEERS
AND ARCHITECTS

SEPTEMBER 2023

GROUNDWATER AND SURFACE WATER MONITORING PROGRAM

FIRST SEMI-ANNUAL RESULTS OF 2023

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

Prepared for:

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SEPTEMBER 2023

**EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
FIRST SEMI-ANNUAL RESULTS OF 2023**

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1.0 INTRODUCTION

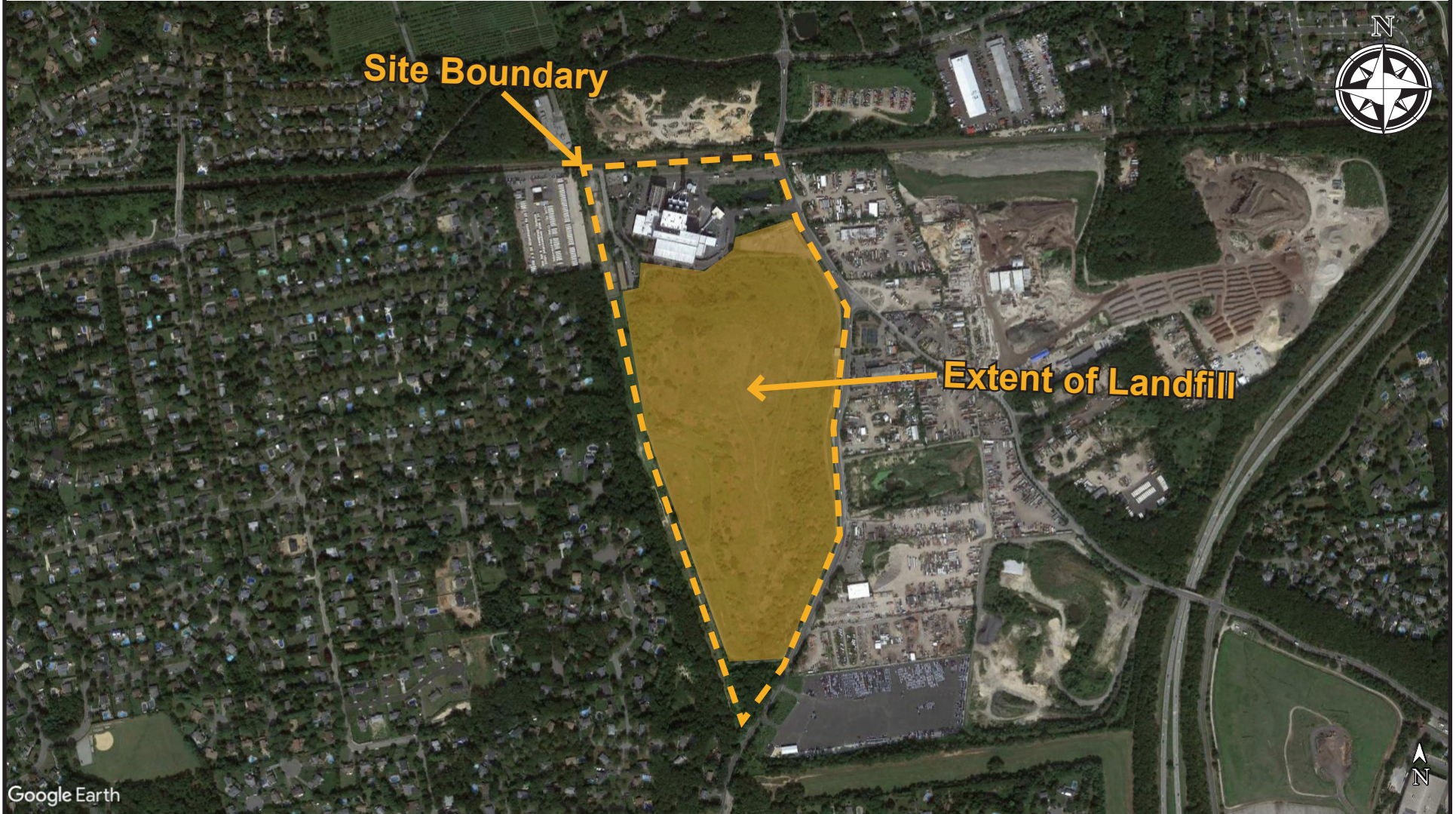
This report presents the field and analytical results obtained in support of the Groundwater and Surface Water Monitoring Program conducted during the first semi-annual event (second quarter of 2023), for the East Northport Landfill, on behalf of the Town of Huntington (TOH), Department of Environmental Waste Management. Groundwater sampling was performed by D&B Engineers and Architects (D&B) on May 9 , 10, and 11, 2023. Surface water sampling was performed on May 15, 2023. This monitoring program is performed on a semi-annual basis, as stipulated in the Record of Decision (ROD) (modified August 13, 2014), by the New York State Department of Conservation (NYSDEC).

1.1 Purpose

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

1.2 Site Location and Description

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



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

SITE LOCATION MAP

Figure 1-1

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

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

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

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

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

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

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

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

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

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

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

1.3 Report Format

This Semi-annual Groundwater and Surface Water Monitoring Program Report includes a discussion of the sample locations, sampling procedures, laboratory analyses, field and analytical results, including a comparison of the analytical results of this first semiannual (second quarter) 2023 sampling event to applicable New York State groundwater and surface water quality standards and guidelines, as well as data validation, conclusions and recommendations.

2.0 SAMPLING LOCATIONS

The groundwater monitoring well network for the East Northport Landfill consists of eleven (11) wells. The locations of the groundwater monitoring wells are shown on **Figure 2-1**. All eleven (11) wells were sampled as part of the first semi-annual (second quarter 2023) sampling event. Well construction information for these wells are summarized on **Table 2-1**.

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

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

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 below top of well casing)	Screen Setting (elevation relative to msl.)	Elevation of Measuring Point (feet above msl)	Well location relative to groundwater flow direction from the Site
CW1-S	6	77.40	43 to 37	112.92	Cross gradient
CW1-M	6	104.40	24.5 to 18.5	111.68	Cross gradient
CW2-M	4	116.49	19.5 to 13.5	130.57	Downgradient
CW4-S	4	116.92	36* to 30	147.19	Downgradient
CW4-M	4	148.02	-1.5 to -7.5*	146.94	Downgradient
EN1-M	4	175.50	-32 to -52	124.24	Upgradient
EN6-S	4	113.70	39 to 19	133.80	Downgradient
EN6-M	4	174.0	-27 to -47	132.62	Downgradient
EN7-M	4	223.74	-166 to -176	54.17	Downgradient
EN9-M	4	133.54	-94 to -104	31.28	Downgradient
EN10-M	4	416	-141 to -161	259.10	Downgradient

Notes:

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

msl: mean sea level

Source: Remedial Investigation of the East Northport Landfill (1994) relative to screen setting elevation and measuring point elevation.

3.0 SAMPLING PROCEDURES AND ANALYSES

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

3.1 Groundwater Level Measurement Procedures

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

3.2 Sampling Procedures

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

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

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

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

Groundwater samples collected from wells purged with a submersible pump and not analyzed for emergent contaminants were done so using new, dedicated, disposable 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 to be analyzed for Emerging Contaminants were segregated into separate coolers and did not come into contact with sample bottles for different parameters.

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

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

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

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

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

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

3.3 Sample Analyses

3.3.1 Groundwater Analyses

Groundwater samples collected during the first semi-annual (second quarter 2023) 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 2023) sampling event are provided in **Table 4-1** and **Table 4-2**.

4.2 Monitoring Well Groundwater Results

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

4.2.1 Volatile Organic Compounds

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

4.2.2 Inorganic Parameters

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

Table 4-1
EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
FIRST SEMI-ANNUAL GROUNDWATER SAMPLING-SECOND QUARTER 2023
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	6.81	18.22	0.371	0.1	-86	1.18	0.2	0.0	Submersible Pump
CW1-M	6.80	17.56	0.139	8.1	-38	0.24	0.1	0.0	Submersible Pump
CW2-M	5.59	14.40	0.201	0.0	292	0.0	0.1	0.0	Submersible Pump
CW4-S	5.95	17.35	0.126	1.3	208	0.00	0.1	0.0	Submersible Pump
CW4-M	6.15	14.24	0.139	0.5	311	3.68	0.1	0.2	Submersible Pump
EN1-M	5.84	13.37	0.287	3.6	143	7.15	0.13	0.0	Bladder Pump
EN6-S	5.18	12.83	0.382	0.8	306	5.48	0.2	0.0	Submersible Pump
EN6-M	6.11	12.65	0.511	0.1	266	0.70	0.2	0.0	Submersible Pump
EN7-M	6.28	13.30	1.20	49	-48	0.00	0.60	0.0	Bladder Pump
EN9-M	6.28	11.75	0.790	1.0	336	3.24	0.4	0.0	Submersible Pump
EN10-M	5.70	14.54	0.247	0.0	407	4.81	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 2023
SUMMARY OF FINAL FIELD PARAMETER RESULTS AND FIELD DATA**

Monitoring Well	Initial Depth to Water (in feet)	Depth of Well (in feet)	Well Diameter (inches)	Volume of Water Purged (gallons)	Date of Sampling	Time of Sampling	Initials of Samplers	Weather Condition
CW1-S	59.89	77.40	6	210	5/16/2023	10:45 am	RL	Sunny, 65°F
CW1-M	59.93	104.60	6	280	5/16/2023	9:10 am	RL	Sunny, 65°F
CW2-M	81.08	116.51	4	120	5/17/2023	1:30 pm	RL	Sunny, 60°F
CW4-S	95.95	117.10	4	80	5/16/2023	3:10 pm	RL	Sunny, 65°F
CW4-M	95.82	147.45	4	175	5/16/2023	1:15 pm	RL	Sunny, 65°F
EN1-M	66.72	175.60	4	2.3	5/18/2023	1:00 pm	RL	Sunny, 55°F
EN6-S	98.43	113.70	4	84	5/17/2023	10:10 am	RL	Sunny, 60°F
EN6-M	97.39	174.00	4	200	5/17/2023	8:45 am	RL	Sunny, 60°F
EN7-M	26.88	223.74	4	6.3	5/18/2023	5:00 pm	RL	Sunny, 55°F
EN9-M	27.40	133.60	4	300	5/17/2023	11:50 am	RL	Sunny, 60°F
EN10-M	224.00	416.00	4	600	5/18/2023	4:00 pm	RL	Sunny, 55°F

Notes:

Total depth for each monitoring well was measured in the field prior to each sampling event.

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

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

Table 4-2
EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
FIRST SEMI-ANNUAL SURFACE WATER SAMPLING-SECOND QUARTER 2023
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	6.20	17.05	0.272	0.0	118	11.55	0.13
SW-2	6.22	13.87	0.404	0.0	11	8.90	0.21
SW-3	6.42	14.15	0.568	0.0	26	11.25	0.28
SW-4	5.95	15.01	0.298	0.0	1.1	11.24	0.14
SW-5	6.42	16.35	0.370	0.0	36	12.71	0.18
SW-6	6.17	19.97	0.249	10	12	0.76	0.12
SW-7	6.97	18.81	37.3	28	130	11.90	24.3

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 72 ug/l. Arsenic was not detected within upgradient well EN1-M.
- *Cadmium* slightly exceeded the groundwater standard (5 ug/l) in downgradient well CW4-S at a concentration of 7.06 ug/l.
- *Iron* exceeded the groundwater standard (300 ug/l) in all downgradient wells except for well EN9-M and CW-4M. Iron concentrations that exceeded the groundwater standard in the downgradient wells ranged from 363 ug/l at CW2-M to 3,990 ug/l at EN6-S. Iron exceeded the groundwater standard in cross-gradient wells CW1-S and CW1-M, at concentrations of 27,900 ug/l and 3,760 ug/l, respectively. In upgradient well EN1-M, iron exceeded the groundwater standard at a concentration of 596 ug/l.
- *Lead* exceeded the groundwater standard (25 ug/l) in downgradient well EN10-M at a concentration of 81.6 ug/l.
- *Sodium* exceeded the groundwater standard (20,000 ug/l) in downgradient wells EN1-M, EN6-S, EN7-M and EN9-M at concentrations ranging from 179,000 ug/l at EN7-M to 25,600 ug/l at EN1-M. Sodium exceeded the groundwater standard in cross-gradient well CW1-S at a concentration of 54,600 ug/l. In upgradient well EN1-M, sodium was detected at a concentration of 11,000 ug/l, which does not exceed the groundwater standard.

Select inorganic parameters which exceeded the Class GA groundwater standards during the prior sampling event (2nd Semiannual Sampling – 2022 (fourth quarter 2022)) compared to the results of this sampling event is presented below:

- *Arsenic* has exceeded the groundwater standard for the second consecutive sampling event within cross-gradient well CW1-S. Arsenic was detected at a concentration of 27.8 ug/l during the prior sampling event and exhibited an increase to a concentration of 72 ug/l this sampling event.
- *Cadmium* was detected above the groundwater standard in downgradient well CW-2M at 6.2 ug/l during the prior event and decreased to 3.16 ug/l this sampling event which is below the GW standard.
- *Iron* has exceeded the groundwater standard for consecutive sampling events within all of the cross-gradient and downgradient wells besides EN9-M. Iron has also exceeded the groundwater standard for consecutive sampling events within the upgradient well EN1-M.
- *Sodium* has exceeded the groundwater standard at wells; CW1-S, EN1-M, EN6-S, EN7-M, and EN9-M for the second consecutive monitoring event. The maximum

concentration of sodium detected during this sampling event increased to 179,000 ug/l, which was detected within EN7-M. The maximum concentration detected during the prior sampling event was 165,000 ug/l, which was also detected within EN7-M.

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 10.8 mg/l and in downgradient well EN7-M at a concentration of 15.9 mg/l. Ammonia was detected below the standard within upgradient well EN1-M, at a concentration of 0.05 mg/l.
- *Total Dissolved Solids* were detected above the groundwater standard (500 mg/l) in downgradient well EN7-M and EN9-M at a concentration of 814 mg/l and 501 mg/l, respectively. Total Dissolved Solids were detected below the groundwater standards at upgradient well EN1-M, at a concentration of 169 mg/l.

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

- *Ammonia* has exceeded the groundwater standard for the second consecutive sampling event at wells CW1-S and EN7-M. Ammonia concentrations have decreased at CW1-S during the prior monitoring event from 21.0 mg/l to 10.8 mg/l and decreased at EN7-M during the prior monitoring event from 17.3 mg/l to 15.9 mg/l.
- *Total Dissolved Solids* has exceeded the groundwater standard for the second consecutive sampling event at well EN7-M. Total Dissolved Solids has increased in concentration within EN7-M this sampling event to 814 mg/l, compared to a concentration of 712 mg/l during the prior sampling event. Total dissolved solids has increased, exceeding the groundwater standards in well EN9-M to 501 mg/l, compared to a concentration of 380 mg/l during the prior sampling event.

4.2.4 Emerging Contaminants

Tabulated analytical results for Emerging Contaminants for the selected three (3) monitoring wells (EN1-M, EN7-M and EN10-M), are presented in **Appendix A-4**. It should be noted that the Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs dated April 2023 indicated that groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS. In addition the 2023 Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) NO. 1.1.1 updated the guidance value for 1,4-dioxane to 0.35 ug/l. Discussion of the individual Emerging Contaminants that were detected in monitoring wells at concentrations exceeding NYSDEC Guidance Values of PFAS, as well as for comparison of results from upgradient well EN1-M are discussed below:

- *Perfluorooctane Sulfonic Acid (PFOS)* was detected above the guidance value (2.7 ng/l) in downgradient well EN7-M at a concentration of 36.1 ng/l. PFOS was detected in upgradient well EN1-M, at a concentration of 1.83 ng/l.
- *Perfluorooctanoic Acid (PFOA)* was detected above the guidance value (6.7 ng/l) in downgradient well EN7-M at a concentration of 105 ng/l and in upgradient well EN1-M, at a concentration of 7.08 ng/l.
- *1,4-Dioxane* was detected above the Class GA guidance value (0.35 ug/l) in downgradient well EN7-M at a concentration of 23.6 ug/l.

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

- *Perfluorooctane Sulfonic Acid (PFOS)* has exceeded the guidance value in downgradient well EN7-M for a second consecutive sampling event. PFOS concentration in well EN7-M was 36.1 ng/l, increasing from 29.0 ng/l in the last sampling event.
- *Perfluorooctanoic Acid (PFOA)* has exceeded the guidance value in downgradient well EN7-M for a second consecutive sampling event. PFOA concentration in well EN7-M increased this sampling event to 105 ng/l, compared to a detected concentration of 65

ng/l during the prior sampling event. Upgradient well EN1-M had a PFOA concentration of 7.08 ng/l this event which increased from 3.6 ng/l the last round.

- *1,4-Dioxane* has exceeded the ground water guidance value in downgradient well EN7-M for a second consecutive sampling event. The 1,4-Dioxane concentration in well EN7-M increased this sampling event to 23.6 ug/l, compared to a detected concentration of 20 ug/l during the prior sampling event.

4.3 Surface Water Sampling Results

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

4.3.1 Volatile Organic Compounds

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

4.3.2 Leachate Indicators

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

5.0 DATA VALIDATION

5.1 Data Validation

The May 2023 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 (23E1005, 23E1107, 23E1224, and 23E1369) have been reviewed in accordance with the NYSDEC 7/05 ASP Quality Assurance/Quality Control (QA/QC) requirements. Data Validation Checklists were prepared for each data package and are presented in **Appendix B**.

The findings of the validation process are presented below:

- The percent (%R) was above the quality control (QC) limits for VOCs in the matrix spike (MS) and/or MS duplicate (MSD) associated with all samples in data package 23E1224. The following compounds were detected in the samples and were qualified as estimated (J): chloroform in samples EN1-M and EN10-M; 1,1-dichloroethane and cis-1,2-dichloroethylene in sample EN7-M.
- 2-Chloroethylvinyl ether %R was below the QC limit in the MS, MSD, and laboratory control spike (LCS) associated with all samples and it was qualified as an estimated detection limit (UJ) in all samples in data packages 23E1005, 23E1107, 23E1224, and 23E1369.
- The %R was below the QC limit in the LCS and LCS duplicate (LCSD) for tetrachloroethene associated with all samples and it was qualified as an estimated detection limit (UJ) in all samples in data packages 23E1005, 23E1107, 23E1224, and 23E1369.
- 3-Perfluoroheptyl propanoic acid, N-EtFOSA, and perfluorododecanesulfonic acid (PFDoS) %Rs were below the QC limits and 3-perfluoropropyl propanoic acid and perfluorotridecanoic acid %Rs were above the QC limits in the LCS associated with all samples. They were qualified as an estimated limit (UJ) in all samples in data package 23E1224.

- The internal standard was below the QC limit in samples Blind Duplicate-1-5-18-23 and EN7-M. The following PFAs were detected above the reporting limit and were qualified as estimated (J): perfluorobutanesulfonic acid (PFBS), perfluorohexanoic acid (PFHxA), perfluoroheptanoic acid (PFHpA), perfluorohexanesulfonic acid (PFHxS), perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS), N-EtFOSAA, perfluoropentanoic acid (PFPeA), perfluoro-n-butanoic acid (PFBA), and perfluoro-1-pentanesulfonate (PFPeS) in samples Blind Duplicate-1 and EN7-M; and perfluoro-1-heptanesulfonic acid (PFHpS) and HFPO-DA (Gen-X) in sample Blind Duplicate-1.
- The relative standard deviation (RSDs) were above the for 1H,1H,2H,2H-perfluorodecanesulfonic acid, 1H,1H,2H,2H-perfluorohexanesulfonic acid, 1H,1H,2H,2H-perfluorooctanesulfonic acid, and perfluorononanoic acid (PFNA) in the initial calibration. They were qualified as estimated (J/UJ) in all samples in data package 23E1224.
- Sample EN7-M was field duplicated and labeled BLIND DUPLICATE. Based on field duplicate results perfluoropentanoic acid (PFPeA) and perfluoro-1-heptanesulfonic acid (PFHpS) was qualified as estimated (J/UJ) in samples EN7-M and BLIND DUPLICATE.
- Aluminum detected in the initial calibration blank and/or FIELD BLANK and was qualified as non-detect (UB) in sample EN1-M. The B qualifier was removed from potassium in data package 23E1224.
- The %Rs were above the QC limits in the MS for chromium and iron. The following metals were qualified as estimated (J): chromium in sample EN-10M and iron in all samples in data package 23E1224.
- The %R was above the QC limit for cadmium in the continuing calibration verifications. Cadmium was qualified as estimated bias high (JH) in samples CW-1M and CW-4S.
- The %R was above the QC limit for cadmium in the CRDL standard. Cadmium was qualified as estimated bias high (JH) in samples EN-6M, EN-9M, and CW-2M.
- The relative percent difference (RPD) was above the QC limit for aluminum in the duplicate. It was qualified as estimated (J/UJ) in all samples in data package 23E1224.
- 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.
- Chloride, ammonia, TDS, and nitrate were detected in the blanks. Ammonia was qualified as non-detect (UB) in sample EN-10M.

- The %R was below in the spike for sulfate associated with all samples. It was qualified as estimated (J/UJ) in all samples in data package 23E1107 and 23E1224.

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

6.0 GROUNDWATER LEVEL MEASUREMENTS

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

Table 6-1

**EAST NORTHPORT LANDFILL
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
FIRST SEMI-ANNUAL MONITORING WELL GROUNDWATER ELEVATIONS-
SECOND QUARTER 2023**

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	5/16/2023	112.92	59.89	53.03
CW1-M	5/16/2023	111.68	59.93	51.75
CW2-M	5/17/2023	130.57	81.08	49.49
CW4-S	5/16/2023	147.19	95.95	51.24
CW4-M	5/16/2023	146.94	95.82	51.12
EN1-M	5/18/2023	124.24	66.72	57.52
EN6-S	5/17/2023	133.80	98.43	35.37
EN6-M	5/17/2023	132.62	97.37	35.25
EN7-M	5/18/2023	54.17	26.88	27.29
EN9-M	5/17/2023	31.28	27.40	3.88
EN10-M	5/18/2023	259.10	224.82	34.28

Note: MSL: Mean Sea Level

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

The results of the first semi-annual 2023 monitoring activities summarized in this report, indicate that groundwater beneath, cross gradient, and downgradient of the East Northport Landfill remains nominally impacted and of generally consistent water quality with past events. Surface waters of Sunken Meadow Creek, the local downgradient discharge point of shallow groundwater, remain below the NYSDEC Class C surface water standards.

7.2 Recommendations

Based on the findings of the first semi-annual 2023 groundwater and surface water sampling event, as well as historical analytical data, the following recommendations are presented:

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

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

APPENDIX A-1

MONITORING WELL SAMPLE RESULTS VOLATILE ORGANIC COMPOUNDS

Appendix A - 1
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2023 Sampling Event
Monitoring Well Sample Results
Volatile Organic Compounds

Sample ID Sample Date			CW-1M 5/16/23	CW-1S 5/16/23	CW-2M 5/17/23	CW-4M 5/16/23	CW-4S 5/16/23	EN-1M 5/18/23	EN-6M 5/17/23	EN-6S 5/17/23	EN-7M 5/18/23	EN-9M 5/17/23	EN-10M 5/18/23
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	0.59 J	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	1.4	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 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
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	0.72	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	0.5 U	0.5 U
Chloroethane	75-00-3	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
Chloroform	67-66-3	7	0.5 U	0.5 U	0.5 U	0.91	0.5 U	1.2 J	0.5 U	0.55	0.5 U	0.5 U	0.63 J
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	1.9 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 UJ	0.5 UJ	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	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 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
Vinyl chloride	75-01-4	2	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
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	0.72	0	0.91	0	1.2	0	0.55	4.89	0	0.63

Footnotes/Qualifiers:

ug/l: Micrograms per liter

J: Estimated limit

--: No standard or not analyzed U: Compound was analyzed for but not detected

APPENDIX A-2

MONITORING WELL SAMPLE RESULTS INORGANIC PARAMETERS

Appendix A-3
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2023 Sampling Event
Monitoring Well Sample Results
Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			CW-1M 5/16/23	CW-1S 5/16/23	CW-2M 5/17/23	CW-4M 5/16/23	CW-4S 5/16/23	EN1-M 5/18/23	EN-6M 5/17/23	EN-6S 5/17/23	EN7-M 5/18/23	EN-9M 5/17/23	EN-10M 5/18/23
Units in mg/l													
LEACHATE INDICATORS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Alkalinity, Carbonate	ALK	--	52	260	27	32	28	30	23	24	520	39	24
Ammonia, as N	7664-41-7	2	0.05 U	10.8	0.05 U	0.05 U	0.0704	0.05 U	0.05 U	0.05 U	15.9	0.05 U	0.0601 UB
Chloride	16887-00-6	250	21.8	38.1 D	32.7	38.3	29.2	51.1 D	10.1	70.8 D	174 D	226 D	33.3
Hardness	HARD	--	113	161	49.3	103	51.7	98.5	1.11 U	1.11 U	298	1.11 U	67.7
Nitrate	14797-55-8	10	0.222	0.05 U	2.48	6.31	3.90	7.03	0.730	6.44	0.05 U	0.736	6.54
Sulfate	14808-79-8	250	56.4 D	56.5 D	16.2 J	31.0	17.4	33.7 J	2.17 J	26.8 J	80.7 DJ	18.2 J	28.9 J
Total Dissolved Solids	E-10173	500	169	332	141	245	160	274	51.0	333	814	501	202

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
D Detected in at a secondary dilution
-- No standard or not analyzed

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
May 2023 Sampling Event
Monitoring Well Sample Results
Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			CW-1M 5/16/23	CW-1S 5/16/23	CW-2M 5/17/23	CW-4M 5/16/23	CW-4S 5/16/23	EN1-M 5/18/23	EN-6M 5/17/23	EN-6S 5/17/23	EN7-M 5/18/23	EN-9M 5/17/23	EN-10M 5/18/23
Units in mg/l													
LEACHATE INDICATORS	CAS Number	NYSDEC Class GA Standard or Guidance Value											
Alkalinity, Carbonate	ALK	--	52	260	27	32	28	30	23	24	520	39	24
Ammonia, as N	7664-41-7	2	0.05 U	10.8	0.05 U	0.05 U	0.0704	0.05 U	0.05 U	0.05 U	15.9	0.05 U	0.0601 UB
Chloride	16887-00-6	250	21.8	38.1 D	32.7	38.3	29.2	51.1 D	10.1	70.8 D	174 D	226 D	33.3
Hardness	HARD	--	113	161	49.3	103	51.7	98.5	1.11 U	1.11 U	298	1.11 U	67.7
Nitrate	14797-55-8	10	0.222	0.05 U	2.48	6.31	3.90	7.03	0.730	6.44	0.05 U	0.736	6.54
Sulfate	14808-79-8	250	56.4 D	56.5 D	16.2 J	31.0	17.4	33.7 J	2.17 J	26.8 J	80.7 DJ	18.2 J	28.9 J
Total Dissolved Solids	E-10173	500	169	332	141	245	160	274	51.0	333	814	501	202

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
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 2023 Sample Results
Per- and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane

Sample ID			EN1-M	EN7-M	EN-10M
Sample Date			5/18/2023	5/18/2023	5/18/2023
PFAS in ng/l	CAS Number	GV			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	763051-92-9	--	7.42 U	7.31 U	7.27 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	--	7.54 UJ	7.43 UJ	7.38 UJ
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	--	7.36 UJ	7.25 UJ	7.21 UJ
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	--	2.77 J	1.09 J	14.5 J
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	914637-49-3	--	24.5 U	24.2 U	24 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	812-70-4	--	24.5 UJ	24.2 UJ	24 UJ
3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	--	4.91 UJ	4.83 UJ	4.81 UJ
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	--	7.42 U	7.31 U	7.27 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	756426-58-1	--	7.34 U	7.23 U	7.19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	--	7.85 U	4.99 J	7.69 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	4151-50-2	--	1.96 UJ	1.93 UJ	1.92 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2991-50-6	--	1.96 U	5.42 J	1.92 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	1691-99-2	--	19.6 U	19.3 U	19.2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	31506-32-8	--	1.96 U	1.93 U	1.92 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	--	1.96 U	1.93 U	1.92 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	24448-09-7	--	19.6 U	19.3 U	19.2 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	--	3.93 U	3.87 U	3.84 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	--	3.49 U	3.44 U	3.42 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	--	3.93 U	3.87 U	3.84 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	--	3.93 U	3.87 U	3.84 U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	--	0.567 J	7.16 J	0.653 J
Perfluorobutanoic Acid	375-22-4	--	3.27 J	60.1 J	5.06 J
Perfluorodecanesulfonic acid (PFDS)	335-77-3	--	1.89 U	1.87 U	1.85 U
Perfluorodecanoic acid (PFDA)	335-76-2	--	1.96 U	1.93 U	1.92 U
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	--	1.9 UJ	1.88 UJ	1.86 UJ
Perfluorododecanoic acid (PFDoA)	307-55-1	--	1.96 U	1.93 U	1.92 U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	--	1.87 U	1.85 UJ	1.84 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	--	1.95 J	40.8 J	1.78 J
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	--	6.94	20.5 J	2.03
Perfluorohexanoic acid (PFHxA)	307-24-4	--	5.41	84.5 J	5.22
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	--	1.88 U	1.86 U	1.85 U
Perfluorononanoic acid (PFNA)	375-95-1	--	1.96 UJ	1.93 UJ	1.92 UJ
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	--	1.96 U	1.93 U	1.92 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	2.7 GV	1.83 U	<u>36.1 J</u>	1.79 U
Perfluorooctanoic acid (PFOA)	335-67-1	6.7 GV	<u>7.08</u>	<u>105 J</u>	2.89
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	--	1.85 U	6.2 J	1.81 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	--	4.13	65.2 J	5.21
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	--	1.96 U	1.93 U	1.92 U
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	--	1.96 UJ	1.93 UJ	1.92 UJ
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	--	1.96 U	1.93 U	1.92 U
Total PFAS		--	32.117	437.06	37.343
1,4-Dioxane (P-Dioxane) In ug/L	123-91-1	0.35 GV	0.32	<u>23.6</u>	0.3 U

Exceeds Preliminary target levels

GV: Guidance Values as per 2023 ADDENDUM TO JUNE 1998 DIVISION OF
WATER TECHNICAL AND
OPERATIONAL GUIDANCE SERIES (TOGS) NO. 1.1.1

--: No standard

ng/l: Nanogram per liter
ug/l: Micrograms per liter
U: Analyzed for but not detected
J: Estimated value or limit

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**

[illegible]

Table 2 continued

Parameter	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	DUP	TB-GW	FB-1	NYSDEC Class GA Standard
Ethylbenzene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0
1,2-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	3.0
1,3-Dichlorobenzene	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	3.0
1,4-Dichlorobenzene	ND(5.00)	0.29 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	3.0
Acetone	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	5.0 J	ND(10.00)	ND(10.00)	ND(10.00)	ND(10.00)	50.0 GV
Tert-Butyl Alcohol	ND(100.00)	13.00 J	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	ND(100.00)	NS/GV
cis-1,2-Dichloroethene	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	5.0

Note:

ND(): Compound not detected at the reporting limit

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

GV: NYSDEC Guidance Value for Source of Drinking Water

NS/GV: No NYSDEC Standard or Guidance Value Established

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

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

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

Table 2A

Summary of Analytical Results-Groundwater
East Northport Landfill, East Northport, NY
Sampled October 22-23, 2020
Metals and Leachate Indicators
Reported in Micrograms per Liter (µg/l) and Milligrams per Liter (mg/l)

Metals (µg/l)	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	GW-DUP	NYSDEC Class GA Standard
Aluminum	79.0 J	63.0 J	127.0	ND(100.0)	ND(100.0)	132.0	139.0	ND(100.0)	285.0	ND(100.0)	3,730.0	53.0 J	NS/GV
Arsenic	ND(5.0)	44.0	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	4.0 J	ND(5.0)	25.0
Cadmium	ND(5.0)	ND(5.0)	1.0 J	2.0 J	ND(5.0)	100.0 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.0
Calcium	19,500.0	36,800.0	19,900.0	9,850.0	22,200.0	5,090.0	13,900.0	21,100.0	13,900.0	22,400.0	6,750.0	19,200.0	NS/GV
Chromium	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	5.0 J	ND(10.0)	217.0	7.0 J	ND(10.0)	2.0 J	9.0 J	ND(10.0)	50.0
Iron	92.0	18,400.0	197.0	131.0	42.0 J	2,160.0	1,750.0	103.0	335.0	572.0	6,460.0	117.0	300.0
Lead	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	ND(10.0)	185.0	ND(10.0)	25.0
Magnesium	12,000.0	13,600.0	5,050.0	2,040.0	8,823.0	1,040.0	6,210.0	4,690.0	2,620.0	12,000.0	2,430.0	11,900.0	35,000.0 GV
Mercury	ND(0.2)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.7
Potassium	2,430.0 J	31,600.0	8,260.0	6,520.0	1,340.0 J	6,010.0	2,460.0 J	2,690.0	3,640.0	2,500.0	3,270.0	2,390.0 J	NS/GV
Sodium	10,100.0	69,700.0	21,500.0	6,410.0	17,100.0	2,226.0	43,900.0	52,300.0	5,800.0	43,700.0	5,420.0	9,950.0	20,000.0
Leachate Indicators (mg/l)													
Ammonia	0.059 J	22.30	ND(0.075)	ND(0.075)	0.025 J	0.319	0.062 J	ND(0.075)	0.093	0.672	1.22	0.066 J	2.0
Bicarbonate	56.80	335.00	48.70	29.30	36.20	20.20	13.20	48.80	42.40	52.60	30.30	56.70	NS/GV
Chloride	18.00	56.00	34.00	11.00	32.00	4.30	70.00	74.00	8.30	100.00	7.90	18.00	250.0
Nitrate	0.31	ND(0.10)	2.200	2.100	6.030	ND(0.10)	6.360	4.980	0.686	ND(0.10)	0.368	0.316	10.0
Sulfate	38.00	39.00	28.00	5.5 J	29.00	ND(10.0)	23.00	21.00	2.0 J	17.00	2.60 J	36.00	250.0
Alkalinity	56.80	335.00	48.70	29.30	36.20	20.20	13.20	48.80	42.40	52.60	30.30	56.70	NS/GV
TDS	170.00	400.00	160.00	64.00	160.00	40.00	180.00	250.00	92.00	260.00	31.00	160.00	NS/GV
Hardness	98.20	148.00	70.50	33.00	91.30	17.00	60.30	72.00	45.50	105.00	26.90	97.00	NS/GV

Note:

ND(): Compound not detected at the reporting limit

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

GV: NYSDEC Guidance Value for Source of Drinking Water

NS/GV: No NYSDEC Standard or Guidance Value Established

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

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

na: Not available

Table 4
Summary of Analytical Results- Groundwater
East Northport Landfill, East Northport, NY
Sampled October 23, 2020
Emerging Contaminants
Reported in Nanograms per liter

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

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

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

ND(): Compound not detected at the reporting limit

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

NS/GV: No Standard or Guidance Value Established

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

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

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

CW1-S (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.30)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	2.9	2.4	2.4	2.2 J	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	1.6 J
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.236)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	6.5	6.8	7.0	ND(1.0)	4.2 J	ND(0.24)	4.9 J	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	0.7	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	1.9	2.0 J	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	2.9	ND(0.3)	1.7	2.0 J	ND(1.4)	1.3 J	ND(0.30)	1.1 J	1.7 J

CW1-S (continued)

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

[illegible]

CW1-S (continued)

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

CW1-S (continued)

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

Note:

ND(): Compound not detected at method detection limit

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

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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Aluminum	180.0 B	162.0 B	44.2 B	ND(26.8)	85.4 B	ND(200.0)	49.6 B	54.1 B	124.0 B
Arsenic	62.1	79.4	62.4	44.8 B	70.8	61.0	56.8	67.2	60.6
Cadmium	ND(1.0)	ND(0.5)	ND(0.5)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	14,500.0	27,900.0	12,800.0	15,000.0 E	25,700.0	13,600.0	12,300.0	17,500.0	17,200.0
Chromium	8.0 B	10.8	7.9 B	ND(8.3)	22.0	ND(5.0)	4.8 B	4.8 B	4.1 B
Iron	3,570.0	5,760.0	3,690.0	4,540.0	5,900.0	5,270.0	5,450.0	5,800.0	5,510.0
Lead	5.4	ND(1.6)	ND(1.6)	ND(1.1)	3.0	ND(4.0)	4.2	12.7	2.2 B
Magnesium	32,900.0	47,300.0	31,300.0	36,700.0 E	34,200.0 E	30,700.0	24,300.0	37,300.0	30,700.0
Mercury	ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.19 B	ND(0.1)
Potassium	263,000.0	384,000.0	239,000.0	199,000.0	228,000.0 E	177,000.0	140,000.0 E	195,000.0	194,000.0 B
Sodium	472,000.0	592,000.0 E	480,000.0 E	406,000.0	450,000.0 E	360,000.0	271,000.0	420,000.0	442,000.0
Leachate Indicators (mg/l)									
Ammonia	273.000	343.000	319.000	280.000	190.000	243.000	143.000	190.000	200.000
Bicarbonate		2,330.00	1,850.00	1,820.00	1,850.00	1,550.00	1,539.00	1,400.00	1,240.00
Chloride	477.00	520.00	5.20	362.00	337.00	282.00	276.00	240.00	270.00
Nitrate	3.73	0.10	ND(0.04)	ND(0.20)	ND(0.05)	ND(0.50)	ND(0.05)	ND(0.50)	ND(0.50)
Sulfate	5.00	ND(3.00)	17.40	30.00	22.50	34.00	31.20	24.00	1.80
Alkalinity	216.00	2,330.00	1,850.00	1,820.00	1,850.00	1,550.00	1,540.00	1,400.00	1,240.00
TDS	3,600.00	2,300.00	2,070.00	1,540.00	1,690.00	1,430.00	1,821.00	1,500.00	1,600.00
Hardness	44.00	263.57	160.00	188.00 E	204.00	160.00	2,000.00	200.00	170.00

CW1-S (continued)

Metals (µg/l)	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	30.1 B	ND(45.7)	ND(7.3)	26.5 B	ND(78.9)	85.7 J	56.2 J	ND(180.0)	18.2 J
Arsenic	67.6	71.0	67.9	75.4	ND(11.0)	66.6	59.1	ND(4.84)	64.2
Cadmium	ND(0.4)	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.12)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	22,800.0	19,300.0	19,700.0	24,700.0	11,700.0	16,200.0	16,800.0	7,410.0	25,100.0
Chromium	6.6 B	ND(5.0)	1.6 B	5.3 B	ND(1.0)	15.4	125.0	2.13 J	2.48 J
Iron	4,580.0	5,080.0	5,180.0	6,580.0	721.0	4,750.0	4,370.0	1,400.0	6,690.0
Lead	ND(2.5)	ND(3.0)	3.5	4.3	ND(3.0)	6.2	4.5 J	ND(1.79)	ND(2.18)
Magnesium	35,400.0	27,600.0	25,900.0	25,800.0	6,740.0	19,500.0	19,100.0	2,020.0 J	25,600.0
Mercury	ND(0.2)	0.25	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.03)	0.07 J
Potassium	182,000.0	133,000.0	147,000.0	150,000.0	24,100.0	114,000.0	116,000.0	1,720.0 J	123,000.0
Sodium	447,000.0	336,000.0	316,000.0	407,000.0	56,400.0	219,000.0	219,000.0	5,850.0	263,000.0
Leachate Indicators (mg/l)									
Ammonia	180.000	170.000	150.000	160.000	ND(0.2)	55.000	39.000	110.000	34.000
Bicarbonate	1,400.00	1,500.00	1,300.00	1,300.00	820.00	880.00	900.00	870.00	990.00
Chloride	260.00	210.00	270.00	210.00	53.00	130.00	130.00	130.00	170.00
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Sulfate	7.80	31.00	20.00	2.46	28.00	34.00	28.00	12.00	17.00
Alkalinity	1,400.00	1,500.00	1,300.00	1,300.00	830.00	880.00	910.00	870.00	990.00
TDS	1,290.00	1,500.00	1,200.00	1,400.00	1,025.00	903.00	858.00	10,850.00	980.00
Hardness	200.00	160.00	160.00	170.00	57.00	121.00	120.00	27.00	168.00

CW1-S (continued)

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

CW1-S (continued)

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

CW1-S (continued)

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

CW1-S (continued)

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

Note:

ND(): Compound not detected at method detection limit

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

Bold indicates value above NYSDEC Class GA Standard

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

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

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

CW1-M (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.30)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	0.6	ND(0.6)	1.8 J	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	1.8	3.4 J	5.3	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	0.6	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

CW1-M (continued)

Parameter	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09	9/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.6 J	3.3 J	ND(5.00)
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	ND(0.59)	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	0.27 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	0.90 J	1.70 J	ND(0.47)	1.90 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	0.20 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	0.46 J	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)

[illegible]

CW1-M (continued)

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

CW1-M (continued)

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

Note:

ND(): Compound not detected at method detection limit

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

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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Aluminum	526.0	157.0 B	123.0 B	ND(26.8)	ND(21.3)	ND(200.0)	42.0 B	68.6 B	89.8 B
Arsenic	49.4	58.9	44.3	34.9	52.7	64.0	58.3	52.8	54.7
Cadmium	ND(1.0)	ND(0.5)	ND(0.5)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	3,580.0 B	4,270.0 B	2,550.0 B	16,500.0 E	19,300.0	20,000.0	22,500.0	19,600.0	17,700.0
Chromium	8.4 B	5.2 B	4.7 B	9.9 B	ND(8.2)	ND(5.0)	1.9 B	8.3 B	1.0 B
Iron	1,960.0	1,930.0	1,510.0	9,060.0	9,690.0	11,300.0	12,900.0	8,710.0	13,600.0
Lead	3.4	2.1 B	3.1	ND(1.1)	1.7 B	ND(4.0)	ND(3.0)	147.0	ND(2.0)
Magnesium	20,000.0	22,200.0	14,500.0	26,900.0 E	22,000.0 E	26,200.0	22,300.0	24,200.0	17,300.0
Mercury	ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	195,000.0	271,000.0	137,000.0	100,000.0	89,400.0 E	88,700.0	77,500.0 E	93,800.0	63,900.0
Sodium	391,000.0	411,000.0 E	302,000.0 E	177,000.0 E	163,000.0 E	152,000.0	142,000.0	160,000.0	102,000.0
Leachate Indicators (mg/l)									
Ammonia	221.000	204.000	195.000	115.000	84.000	106.000	80.000	90.000	65.000
Bicarbonate		1,450.00	1,180.00	814.00	724.00	680.00	597.00	560.00	420.00
Chloride	363.00	255.00	337.00	173.00	115.00	119.00	116.00	91.00	71.00
Nitrate	2.73	0.45	0.29	0.28	ND(0.05)	ND(0.50)	ND(0.05)	ND(0.50)	ND(0.50)
Sulfate	3.18	16.00	38.90	120.00	93.90	99.00	200.00	90.00	76.00
Alkalinity	1,870.00	1,450.00	1,180.00	814.00	724.00	680.00	598.00	560.00	420.00
TDS	2,570.00	1,280.00	1,380.00	736.00	744.00	773.00	792.00	770.00	600.00
Hardness	21.00	101.62	65.80	152.00 E	139.00	95.70	897.00	150.00	120.00

CW1-M (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	105.0 B	ND(45.7)	ND(7.3)	25.8 B	ND(78.9)	114.0 J	75.9 J	ND(180.0)	43.7 J
Arsenic	113.0	70.4	29.3	56.7	75.1	6.0 J	41.9	ND(4.84)	40.6
Cadmium	0.74 B	ND(3.0)	ND(0.4)	ND(1.0)	ND(1.0)	0.55 J	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	18,900.0	20,000.0	13,200.0	15,800.0	19,700.0	12,300.0	14,400.0	6,740.0	16,300.0
Chromium	83.9	ND(5.0)	ND(0.6)	5.8 B	4.4 B	2.2 J	25.1	1.3 J	ND(0.343)
Iron	23,700.0	13,900.0	3,770.0	7,770.0	6,640.0	191.0	7,400.0	81.8	12,200.0
Lead	ND(2.5)	ND(3.0)	4.6	7.1	3.8	5.3	7.3	ND(1.79)	ND(2.18)
Magnesium	18,700.0	20,300.0	14,700.0	16,700.0	24,400.0	11,300.0	11,700.0	1,260.0 J	12,500.0
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.03)	0.07 J
Potassium	66,600.0	59,700.0	58,000.0	72,800.0	124,773.4	44,800.0	44,800.0	1,050.0 J	39,300.0
Sodium	120,000.0	119,000.0	92,400.0	156,000.0	254,000.0	64,300.0	54,100.0	4,640.0 J	66,400.0
Leachate Indicators (mg/l)									
Ammonia	50.000	71.000	51.000	61.000	0.500	21.000	39.000	37.000	34.000
Bicarbonate	340.00	410.00	380.00	570.00	120.00	200.00	280.00	280.00	280.00
Chloride	68.00	89.00	78.00	95.00	170.00	47.00	36.00	32.00	42.00
Nitrate	0.60	ND(0.50)	ND(0.50)	ND(0.50)	2.40	7.40	0.70	0.70	ND(0.50)
Sulfate	54.00	83.00	69.00	54.00	19.00	73.00	110.00	56.00	48.00
Alkalinity	340.00	410.00	390.00	570.00	120.00	200.00	280.00	280.00	280.00
TDS	420.00	670.00	480.00	680.00	274.00	396.00	376.00	353.00	380.00
Hardness	120.00	130.00	94.00	110.00	150.00	77.00	83.00	22.00	92.00

CW1-M (continued)

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

CW1-M (continued)

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

CW1-M (continued)

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

CW1-M (continued)

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

ND(): Compound not detected at method detection limit

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

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

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

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

CW2-M (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04
Chloromethane	ND(1.1)	NA	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)
Bromomethane	ND(0.6)	NA	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)
Vinyl Chloride	ND(1.0)	NA	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)
Chloroethane	ND(0.7)	NA	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)
Methylene Chloride	ND(0.4)	NA	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)
Trichloroflouromethane	ND(0.4)	NA	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)
1,1-Dichloroethene	ND(0.4)	NA	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	NA	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)
*1,2-Dichloroethene, Total	ND(0.4)	NA	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)
Chloroform	ND(0.3)	NA	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)
1,2-Dichloroethane	ND(0.3)	NA	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)
1,1,1-Trichloroethane	ND(0.3)	NA	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)
Carbon Tetrachloride	ND(0.3)	NA	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)
Bromodichloromethane	ND(0.3)	NA	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)
1,2-Dichloropropane	ND(0.4)	NA	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)
cis-1,3-Dichloropropene	ND(0.3)	NA	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)
Trichloroethene	1.2	NA	ND(0.4)	1.0 J	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)
Benzene	ND(0.3)	NA	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)
Dibromochloromethane	ND(0.3)	NA	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)
trans-1,3-Dichloropropene	ND(0.2)	NA	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)
1,1,2-Trichloroethane	ND(0.3)	NA	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)
2-Chloroethylvinyl ether	ND(1.1)	NA	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)
Bromoform	ND(0.3)	NA	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)
1,1,2,2-Tetrachloroethane	ND(0.3)	NA	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)
Tetrachloroethene	2.8	NA	1.2	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)
Toluene	ND(0.3)	NA	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)
Chlorobenzene	ND(0.2)	NA	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)
Ethylbenzene	ND(0.4)	NA	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)
1,2-Dichlorobenzene	ND(0.2)	NA	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)
1,3-Dichlorobenzene	ND(0.4)	NA	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)
1,4-Dichlorobenzene	ND(0.3)	NA	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)

CW2-M (continued)

Parameter	9/05	8/06	11/06	7/07	11/07	4/08	9/08	4/09
Chloromethane	ND(0.45)	ND(0.45)	ND(0.45)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromomethane	ND(1.30)	ND(1.30)	ND(1.30)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Vinyl Chloride	ND(0.62)	ND(0.62)	ND(0.62)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroethane	ND(1.10)	ND(1.10)	ND(1.10)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Methylene Chloride	ND(0.98)	ND(0.98)	ND(0.98)	ND(5.00)	ND(5.00)	ND(5.00)	2.9 J	3.3 J
Trichloroflouromethane	ND(0.58)	ND(0.58)	ND(0.58)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethene	ND(0.33)	ND(0.33)	ND(0.33)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
*1,2-Dichloroethene, Total	ND(0.40)	ND(0.40)	ND(0.40)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chloroform	ND(0.18)	ND(0.18)	ND(0.18)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloroethane	ND(0.28)	ND(0.28)	ND(0.28)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,1-Trichloroethane	ND(0.17)	ND(0.17)	ND(0.17)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Carbon Tetrachloride	ND(0.34)	ND(0.34)	ND(0.34)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Bromodichloromethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichloropropane	ND(0.27)	ND(0.27)	ND(0.27)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
cis-1,3-Dichloropropene	ND(0.26)	ND(0.26)	ND(0.26)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Trichloroethene	0.8 J	ND(0.59)	ND(0.59)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Benzene	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Dibromochloromethane	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
trans-1,3-Dichloropropene	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2-Trichloroethane	ND(0.36)	ND(0.36)	ND(0.36)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
2-Chloroethylvinyl ether	ND(6.20)	ND(6.20)	ND(6.20)	ND(10.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(25.00)
Bromoform	ND(0.22)	ND(0.22)	ND(0.22)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,1,2,2-Tetrachloroethane	ND(0.35)	ND(0.35)	ND(0.35)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Tetrachloroethene	ND(0.74)	ND(0.74)	ND(0.74)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Toluene	ND(0.38)	ND(0.38)	ND(0.38)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Chlorobenzene	ND(0.47)	ND(0.47)	ND(0.47)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Ethylbenzene	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,2-Dichlorobenzene	ND(0.67)	ND(0.67)	ND(0.67)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,3-Dichlorobenzene	ND(0.65)	ND(0.65)	ND(0.65)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
1,4-Dichlorobenzene	ND(0.79)	ND(0.79)	ND(0.79)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)

CW2-M (continued)

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

CW2-M (continued)

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

CW2-M (continued)

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

ND(): Compound not detected at method detection limit

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

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

NA: Not Accessible

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



9/00
ND(1.1)
ND(0.6)
ND(1.0)
ND(0.7)
ND(0.4)
ND(0.4)
ND(0.4)
ND(0.2)
ND(0.4)
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ND(0.2)
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ND(1.1)
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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)
ND(5.00)
ND(1.00)
ND(2.00)
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ND(5.00)
ND(10.00)
ND(100.00)
ND(1.00)

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Aluminum	60.0 B	156.0 B	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	36.5 B	ND(25.8)	93.8 B
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	24.2	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	ND(0.5)	ND(0.5)	ND(5.2)	4.7 B	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	48,500.0	56,400.0	46,100.0	24,400.0 E	25,900.0	22,800.0	25,700.0	28,800.0	21,300.0
Chromium	ND(1.0)	ND(1.8)	ND(1.0)	ND(8.3)	10.3	ND(5.0)	2.3 B	4.7 B	ND(0.7)
Iron	416.0	263.0	346.0	109.0 B	484.0	390.0	184.0	60.9 B	112.0
Lead	ND(3.0)	ND(1.6)	ND(1.6)	3.5	2.4 B	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)
Magnesium	7,500.0	6,960.0	7,510.0	4,800.0 BE	5,860.0 E	6,010.0	6,940.0	7,940.0	6,260.0
Mercury	ND(0.2)	ND(0.06)	0.05 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	16,800.0	13,500.0	11,500.0	6,050.0	7,060.0 E	5,640.0	5,880.0 E	7,160.0	5,950.0
Sodium	34,900.0	31,700.0 E	31,800.0 E	23,500.0 E	24,400.0 E	22,500.0	29,500.0	27,600.0	24,800.0
Leachate Indicators (mg/l)									
Ammonia	2.520	ND(0.050)	1.190	1.100	4.900	0.740	7.400	0.200	ND(0.200)
Bicarbonate		111.00	67.20	63.80	70.30	61.00	73.00	68.00	110.00
Chloride	51.40	31.20	44.10	37.20	26.90	33.60	40.80	46.00	46.00
Nitrate	ND(1.00)	1.31	ND(0.04)	0.46	ND(0.05)	ND(0.50)	0.295	0.86	0.90
Sulfate	76.40	55.50	40.20	40.00	39.80	36.50	48.80	39.00	39.00
Alkalinity	110.00	111.00	67.20	63.80	70.30	61.00	74.00	68.00	110.00
TDS	334.00	352.00	279.00	224.00	178.00	158.00	158.00	180.00	190.00
Hardness	55.00	169.62	145.00	80.70 E	88.70	80.80	110.00	100.00	79.00

CW2-M (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	86.8 B	NA	ND(7.3)	35.8 B	ND(78.9)	25.1 J	53.4 J	ND(180.0)	35.8 J
Arsenic	ND(2.5)	NA	ND(2.8)	ND(3.6)	ND(11.9)	ND(4.0)	ND(5.5)	ND(4.84)	ND(3.32)
Cadmium	ND(0.4)	NA	ND(0.4)	ND(1.0)	ND(1.0)	ND(.80)	ND(0.57)	ND(0.994)	ND(0.327)
Calcium	27,000.0	NA	18,200.0	19,400.0	25,000.0	35,200.0	26,400.0	29,600.0	21,700.0
Chromium	ND(0.8)	NA	ND(0.6)	8.4 B	ND(1.0)	ND(1.4)	16.4	ND(1.22)	ND(0.343)
Iron	93.8 B	NA	25.0 B	112.0	227.0	85.4 J	92.2 J	168.0	234.0
Lead	2.9 B	NA	4.4	5.2	4.0	4.0	6.6	ND(1.79)	ND(2.18)
Magnesium	8,240.0	NA	5,650.0	6,010.0	8,330.0	11,900.0	9,240.0	10,600.0	7,890.0
Mercury	ND(0.2)	NA	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.14 J	0.04 J
Potassium	6,960.0	NA	5,480.0	7,580.0	7,670.0	9,380.0	8,760.0	13,100.0	8,810.0
Sodium	31,300.0	NA	20,900.0	22,300.0	23,500.0	31,800.0	22,800.0	22,300.0	21,100.0
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	NA	ND(0.200)	ND(0.200)	ND(0.200)	0.300	ND(0.200)	0.487	0.367
Bicarbonate	59.00	NA	52.00	46.00	55.00	90.00	71.00	83.00	64.00
Chloride	43.00	NA	40.00	26.00	37.00	49.00	32.00	31.00	25.00
Nitrate	1.60	NA	ND(0.50)	1.40	0.90	6.60	7.70	ND(0.50)	ND(0.50)
Sulfate	31.00	NA	48.00	35.00	69.00	100.00	62.00	85.00	64.00
Alkalinity	59.00	NA	52.00	46.00	55.00	90.00	71.00	83.00	64.00
TDS	190.00	NA	160.00	140.00	222.00	321.00	221.00	251.00	190.00
Hardness	100.00	NA	69.00	73.00	97.00	136.00	104.00	118.00	87.00

CW2-M (continued)

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

CW2-M (continued)

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

CW2-M (continued)

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

CW2-M (continued)

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

ND(): Compound not detected at method detection limit

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

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

NA: Not Accessible

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

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

CW4-S (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.30)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.29)	ND(0.29)	ND(0.33)
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	ND(0.18)
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	ND(0.27)
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

CW4-S (continued)

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

[illegible]

CW4-S (continued)

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

CW4-S (continued)

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

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

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

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

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

Metals (µg/l)	6/96	4/97	9/97	4/98	9/98	4/99	9/99	4/00	9/00
Aluminum	90.6 B	347.0	273.0	270.0	62.0 B	ND(200.0)	80.7 B	41.9 B	314.0
Arsenic	ND(9.0)	ND(4.5)	ND(2.7)	2.7 B	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)
Cadmium	ND(1.0)	ND(0.5)	ND(0.5)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)
Calcium	32,300.0	25,200.0	30,700.0	7,400.0 E	35,300.0	37,700.0	45,800.0	28,400.0	30,200.0
Chromium	1.8 B	8.7 B	1.4 B	ND(8.3)	13.7	9.0	5.1 B	5.5 B	7.7 B
Iron	8,160.0	7,720.0	7,650.0	2,700.0	9,220.0	10,100.0	9,590.0	5,530.0	5,710.0
Lead	3.4	4.1	6.4	6.7	5.8	ND(4.0)	ND(3.0)	1.6 B	3.8
Magnesium	9,790.0	7,760.0	9,100.0	419.0 BE	10,600.0 E	12,900.0	15,900.0	8,870.0	10,800.0
Mercury	ND(0.2)	ND(0.06)	0.06 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)
Potassium	12,800.0	13,200.0	9,760.0	1,650.0 B	12,700.0 E	15,100.0	19,500.0 E	12,800.0	19,700.0
Sodium	34,800.0	28,000.0 E	31,500.0 E	2,310.0 BE	40,200.0 E	46,500.0	51,100.0	27,400.0	42,300.0
Leachate Indicators (mg/l)									
Ammonia	4.700	1.650	1.810	ND(0.200)	6.200	5.990	1.140	ND(0.200)	4.500
Bicarbonate		82.70	110.00	15.40	126.00	150.00	191.00	40.00	280.00
Chloride	39.00	31.90	90.40	4.30	55.90	69.80	85.10	20.00	50.00
Nitrate	4.89	0.25	0.30	0.53	0.23	ND(0.50)	ND(0.05)	6.90	ND(0.50)
Sulfate	37.30	20.50	29.80	ND(5.00)	38.70	47.60	76.10	29.00	36.00
Alkalinity	63.00	82.70	110.00	15.40	126.00	150.00	192.00	40.00	280.00
TDS	218.00	173.00	206.00	46.00	324.00	305.00	376.00	130.00	280.00
Hardness	41.00	94.80	114.00	20.20 E	132.00	146.00	286.00	98.00	120.00

CW4-S (continued)

Metals (µg/l)	4/01	9/07	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Aluminum	142.0 B	202.0	75.1 B	65.4 B	319.0	106.0 J	64.4 J	ND(180.0)	154.0
Arsenic	ND(2.5)	ND(5.0)	ND(2.8)	ND(3.6)	ND(11.9)	ND(2.2)	ND(5.5)	ND(4.84)	ND(3.32)
Cadmium	2.9 B	3.3 B	3.3 B	ND(1.0)	1.2 B	0.93 J	1.3 J	1.58 J	2.7 J
Calcium	4,420.0 B	12,600.0	10,600.0	7,210.0	10,000.0	5,530.0	5,650.0	5,760.0	5,540.0
Chromium	2.6 B	ND(5.0)	ND(0.6)	6.5 B	7.6 B	2.7 J	4.2 J	ND(1.22)	11.1
Iron	1,070.0	2,210.0	2,340.0	398.0	2,540.0	237.0	310.0	197.0	1,570.0
Lead	4.8	14.9	9.1	10.6	35.1	8.3	6.0	ND(1.79)	17.2
Magnesium	222.0 B	2,400.0 B	1,520.0 B	520.0 B	2,230.0 B	293.0 J	288.0 J	619.0 J	229.0 J
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.08 J	0.04 J
Potassium	1,120.0 B	5,080.0	4,170.0 B	3,060.0 B	5,770.0	2,280.0 J	2,040.0 J	2,340.0 J	2,710.0 J
Sodium	1,430.0 B	8,520.0	4,570.0 B	4,210.0 B	5,980.0	1,750.0 J	1,380.0 J	1,190.0 J	1,740.0 J
Leachate Indicators (mg/l)									
Ammonia	ND(0.200)	0.600	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Bicarbonate	11.00	49.00	38.00	20.00	79.00	16.00	11.00	12.00	17.00
Chloride	2.30	11.00	8.50	4.70	8.40	2.40	2.50	2.80	3.30
Nitrate	ND(0.50)	ND(0.50)	ND(0.50)	0.90	0.50	0.70	0.90	0.50	0.717
Sulfate	ND(1.00)	10.00	8.60	4.06	7.70	1.90	14.00	ND(1.00)	ND(1.00)
Alkalinity	11.00	49.00	38.00	20.00	78.00	16.00	11.00	12.00	17.00
TDS	20.00	70.00	68.00	37.00	87.00	33.00	38.00	11.00	23.00
Hardness	12.00	41.00	33.00	20.00	34.00	15.00	15.00	17.00	15.00

CW4-S (continued)

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

CW4-S (continued)

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

CW4-S (continued)

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

CW4-S (continued)

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

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

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

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

CW4-M (continued)

Parameter	4/01	9/01	4/02	9/02	4/03	10/03	6/04	10/04	4/05
Chloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.4)	ND(1.4)	ND(2.2)	ND(0.49)	ND(0.49)	ND(0.45)
Bromomethane	ND(0.6)	ND(0.6)	ND(0.6)	ND(1.7)	ND(1.7)	ND(2.9)	ND(0.61)	ND(0.61)	ND(1.30)
Vinyl Chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.28)	ND(0.28)	ND(0.62)
Chloroethane	ND(0.7)	ND(0.7)	ND(0.7)	ND(1.8)	ND(1.8)	ND(2.0)	ND(0.62)	ND(0.62)	ND(1.10)
Methylene Chloride	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.40)	ND(1.40)	ND(0.98)
Trichloroflouromethane	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(0.80)	ND(0.80)	ND(0.58)
1,1-Dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.28)	ND(0.28)	ND(0.28)
1,1-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	1.2 J	ND(1.3)	ND(0.29)	ND(0.29)	1.0 J
*1,2-Dichloroethene, Total	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.0)	ND(1.0)	ND(1.3)	ND(0.32)	ND(0.32)	ND(0.40)
Chloroform	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.5)	ND(0.30)	ND(0.30)	0.4 J
1,2-Dichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.28)
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	1.4 J	1.1 J	ND(0.5)	ND(0.34)	ND(0.34)	ND(0.17)
Carbon Tetrachloride	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.1)	ND(0.18)	ND(0.18)	ND(0.34)
Bromodichloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.29)	ND(0.29)	ND(0.30)
1,2-Dichloropropane	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.2)	ND(0.32)	ND(0.32)	0.4 J
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.21)	ND(0.21)	ND(0.26)
Trichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.9)	ND(0.9)	ND(0.1)	ND(0.27)	ND(0.27)	ND(0.59)
Benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.6)	ND(0.1)	ND(0.17)	ND(0.17)	ND(0.35)
Dibromochloromethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(1.2)	ND(0.30)	ND(0.30)	ND(0.22)
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.5)	ND(1.5)	ND(0.7)	ND(0.23)	ND(0.23)	ND(0.29)
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.0)	ND(0.28)	ND(0.28)	ND(0.24)
2-Chloroethylvinyl ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.8)	ND(4.8)	ND(2.7)	ND(1.70)	ND(1.70)	ND(6.20)
Bromoform	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.5)	ND(1.5)	ND(1.3)	ND(0.25)	ND(0.25)	ND(0.22)
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.8)	ND(0.8)	ND(1.9)	ND(0.27)	ND(0.27)	ND(0.35)
Tetrachloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.1)	ND(0.30)	ND(0.30)	ND(0.74)
Toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.23)	ND(0.23)	ND(0.38)
Chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.24)	ND(0.24)	ND(0.47)
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(1.2)	ND(1.2)	ND(0.8)	ND(0.17)	ND(0.17)	ND(0.50)
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(1.6)	ND(1.6)	ND(0.5)	ND(0.20)	ND(0.20)	ND(0.67)
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.8)	ND(0.8)	ND(0.7)	ND(0.28)	ND(0.28)	ND(0.35)
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(1.4)	ND(1.4)	ND(0.8)	ND(0.30)	ND(0.30)	ND(0.79)

CW4-M (continued)

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

[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	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)							

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 2023 Sampling Event
 Surface Water Sample Results
 Volatile Organic Compounds

Sample ID Sample Date			SW-1 5/22/23	SW-2 5/22/23	SW-3 5/22/23	SW-4 5/22/23	SW-5 5/22/23	SW-6 5/22/23	SW-7 5/22/23
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 U	0.5 U
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 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	0.6 J	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Toluene	108-88-3	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4	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 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	75-01-4	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
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	0	0	0	1.4	0

Footnotes/Qualifiers:

ug/l Micrograms per liter

U Compound was analyzed for but not detected

J Estimated limit

-- No standard

APPENDIX C-2

SURFACE WATER SAMPLE RESULTS LEACHATE INDICATORS

Appendix C-2
East Northport Landfill
Semi-Annual Groundwater Monitoring
May 2023 Sampling Event
Surface Water Sample Results
Metals and Leachate Indicator Parameters

Page 1 of 1

Sample ID Sample Date			SW-1 5/22/23	SW-2 5/22/23	SW-3 5/22/23	SW-4 5/22/23	SW-5 5/22/23	SW-6 5/22/23	SW-7 5/22/23
Units in mg/l									
LEACHATE INDICATORS	CAS Number	Class C Surface Water Standard							
Alkalinity, Carbonate	ALK	--	48	84	52	48	52	36	84
Ammonia, as N	7664-41-7	2.2	0.0708	0.163	0.0593	0.149	0.0602	0.114	0.0809
Chloride	16887-00-6	--	51.6 D	87.7 D	93.5 D	61.1 D	52.3 D	59.7 D	14400 D
Hardness	HARD	--	81.2	128	125	85.5	89.5	1.11 U	1.11 U
Nitrate	14797-55-8	--	1.88	1.67	4.20	2.44	1.22	0.368	5 U
Sulfate	14808-79-8	--	21.8	43.2 D	39.3	22.5	19.4	17.0	2040 D
Total Dissolved Solids	E-10173	--	197	301	346	253	262	468	23100

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

**TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD**

SITE Town of Oyster Bay Landfill DATE 5/16/23

WELL ID: CW-1M Time On-site: 7:50 Time Off-site: 9:15
SAMPLERS: Ryan Lee

Depth of well (feet from top of casing) 104.40
Initial static water level (feet from top of casing) 59.93
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: 44.47 ft. of water x 1.47 = 66.71 gallons

volume of water removed: 280 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)
Initial	<u>6.27</u>	<u>18.02</u>	<u>0.151</u>	<u>17.4</u>	<u>0.77</u>	<u>54</u>
<u>40</u>	<u>6.61</u>	<u>17.61</u>	<u>0.143</u>	<u>5.7</u>	<u>0.16</u>	<u>-26</u>
<u>80</u>	<u>6.70</u>	<u>17.58</u>	<u>0.142</u>	<u>4.3</u>	<u>0.19</u>	<u>-35</u>
<u>120</u>	<u>6.79</u>	<u>17.56</u>	<u>0.140</u>	<u>4.8</u>	<u>0.14</u>	<u>-38</u>
<u>160</u>	<u>6.80</u>	<u>17.54</u>	<u>0.139</u>	<u>5.9</u>	<u>0.18</u>	<u>-38</u>
<u>200</u>	<u>6.80</u>	<u>17.66</u>	<u>0.138</u>	<u>6.9</u>	<u>0.18</u>	<u>-39</u>
<u>240</u>	<u>6.81</u>	<u>17.55</u>	<u>0.138</u>	<u>8.1</u>	<u>0.23</u>	<u>-38</u>
<u>280</u>	<u>6.80</u>	<u>17.56</u>	<u>0.139</u>	<u>8.3</u>	<u>0.24</u>	<u>-38</u>
-	-	-	-	-	-	-

Purging Rate: 4 gpm

Purging Time: 70 min

Sampling Rate:
0.1l/min VOCs / 0.5l/min Other
Analytes

Sampling

Time of Sample Collection: 9:10

Method:

X Submersible Pump
_____ In-line filter (Diss. metals)
_____ Pos. Disp. Pump
X Disposable bailer
_____ Dedicated pump

Analyses (Pace Analytical Laboratory)

X VOCs
X Total & Dissolved Metals
X Leachate Parameters

Observations

Weather/Temperature: 55-65° sunny
Sample description: _____
Free Product? yes _____ no X describe _____
Sheen? yes _____ no X describe _____
Odor? yes _____ no _____ describe slight sulfur odor when purging began

**D&B ENGINEERS
AND ARCHITECTS**

**TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD**

SITE Town of Oyster Bay Landfill DATE 5/16/2023

WELL ID: CW-15 Time On-site: 9:30 Time Off-site: 10:50
SAMPLERS: Ryan Lee

Depth of well (feet from top of casing) 77.40
Initial static water level (feet from top of casing) 59.89
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
3 in. casing: _____ ft. of water x 0.36 = _____ gallons
6 in. casing: 17.51 ft. of water x 1.47 = 20.2 gallons

volume of water removed: 210 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)
Initial	7.14	17.90	0.372	5.1	2.62	-40
30	6.80	18.14	0.370	0.0	1.63	-82
60	6.82	18.20	0.370	0.0	1.67	-88
90	6.82	18.21	0.370	0.2	1.64	-88
120	6.85	18.21	0.370	0.1	1.60	-89
150	6.83	18.21	0.369	0.1	1.48	-87
180	6.83	18.21	0.371	0.1	1.19	-86
210	6.81	18.22	0.371	0.1	1.18	-86

Purging Rate:

3 gpm

Purging Time:

70 min

Sampling Rate:

0.1l/min VOCs / 0.5l/min Other Analytes

Sampling

Time of Sample Collection: 10:45

Method:

☐ Submersible Pump
☐ In-line filter (Diss. metals)
☐ Pos. Disp. Pump
☒ Disposable bailer
☐ Dedicated pump

Analyses (Pace Analytical Laboratory)

☒ VOCs
☒ Total & Dissolved Metals
☒ Leachate
☒ Parameters

Observations

Weather/Temperature: 55-65°, Sunny

Sample description: _____

Free Product? yes ☐ no ☒ describe _____
Sheen? yes ☐ no ☒ describe _____
Odor? yes ☐ no ☒ describe _____

**db D&B ENGINEERS
AND ARCHITECTS**

**TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD**

SITE Town of Oyster Bay Landfill DATE 5/16/2023

WELL ID: CW-4M Time On-site: 12:00 Time Off-site: 1:20
SAMPLERS: Ryan Lee

Depth of well (feet from top of casing) 148.02
Initial static water level (feet from top of casing) 95.82
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
3 in. casing: _____ ft. of water x 0.36 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons
4 in. casing: 52.18 ft. of water x 0.65 = 33.92 gallons

volume of water removed: 175 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)
Initial	7.73	17.15	0.138	0.7	5.83	164
25	6.08	17.73	0.140	0.7	4.18	268
50	6.11	14.40	-	1.1	4.08	287
75	6.11	14.26	0.141	0.0	3.88	298
100	6.13	14.23	0.141	0.1	3.61	301
125	6.16	14.21	0.140	0.7	3.68	304
150	6.17	14.23	0.139	0.4	3.66	304
175	6.15	14.24	0.139	0.5	3.68	311
-	-	-	-	-	-	-

Purging Rate:

2.5

Purging Time:

70 min

Sampling Rate:

0.1l/min VOCs / 0.5l/min Other Analytes

Sampling

Time of Sample Collection: 1:15

Method:

☐ Submersible Pump
☐ In-line filter (Diss. metals)
☐ Pos. Disp. Pump
☒ Disposable bailer
☐ Dedicated pump

Analyses (Pace Analytical Laboratory)

☒ VOCs
☒ Total & Dissolved Metals
☒ Leachate
☒ Parameters

Observations

Weather/Temperature: 55°-65°, Sunny

Sample description:

Free Product? yes ☐ no ☒ describe _____
Sheen? yes ☐ no ☒ describe _____
Odor? yes ☐ no ☒ describe _____



**D&B ENGINEERS
AND ARCHITECTS**

**TOWN OF OYSTER BAY LANDFILL SAMPLING
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD**

SITE Town of Oyster Bay Landfill

DATE 5/16/2023

WELL ID: 176.92 CW-45
SAMPLERS: 95.45 Ryan Lee

Time On-site:

1:45

Time Off-site:

3:05

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

116.92

95.95

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: _____ ft. of water x 1.47 = _____ gallons
4 in. casing: 20.97 Ft of water x 0.65: 13.63 gallons

volume of water removed:
80 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)
Initial	6.36	17.19	0.082	12.4	6.89	202
10	6.16	16.43	0.080	13.2	1.33	206
20	6.11	16.77	0.091	6.7	0.52	192
30	6.08	16.99	0.101	7.4	0.43	188
40	6.05	17.21	0.111	5.0	0.00	188
50	6.00	17.33	0.122	2.8	0.00	191
60	6.00	17.39	0.125	1.8	0.00	197
70	5.95	17.38	0.126	1.4	0.00	206
80	5.95	17.35	0.126	1.3	0.00	208

Purging Rate:

1 gpm

Purging Time:

80 min

Sampling Rate:

0.1l/min VOCs / 0.5l/min Other
Analytes

Sampling

Time of Sample Collection: 3:10

Method:

Submersible Pump _____
In-line filter (Diss. metals) _____
Pos. Disp. Pump _____
X Disposable bailer _____
Dedicated pump _____

Analyses (Pace Analytical Laboratory)

X VOCs
X Total & Dissolved Metals
X Leachate Parameters

Observations

Weather/Temperature: 55-65° sunny

Sample description: _____

Free Product? yes _____ no X describe _____

Sheen? yes _____ no X describe _____

Odor? yes _____ no X describe _____



**D&B ENGINEERS
AND ARCHITECTS**

TOWN OF OYSTER BAY LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill

DATE 5/17/23

WELL ID: ENG-M

SAMPLERS: Ryan Lee

Time On-site: 7:45

Time Off-site: 8:45

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

174.0

97.37

Purging Method

Airlift

Bailer

Submersible

Pump

Centrifugal

Pos. Displ.

Disposable

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: _____ ft. of water x 1.47 = _____ gallons

4 in. casing: 76.63 ft. of water x 0.65 = 49.8 gallons

volume of water removed:
200 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)
Initial	5.93	12.83	0.524	3.5	0.95	344
40	6.15	12.71	0.513	0.5	0.69	247
80	6.12	12.67	0.512	0.3	0.68	259
120	6.09	12.67	0.511	0.2	0.71	264
160	6.11	12.66	0.511	0.1	0.68	266
200	6.11	12.65	0.511	0.1	0.70	266
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—

Purging Rate: 4 gpm

Purging Time: 50 min

Sampling Rate:

0.1/min VOCs / 0.5/min Other

Analytes

Sampling

Time of Sample Collection: 8:45

Analyses (Pace Analytical Laboratory)

Method:

Submersible Pump

In-line filter (Diss. metals)

Pos. Disp. Pump

Disposable bailer

X Dedicated pump

X VOCs

X Total & Dissolved Metals

X Leachate

X Parameters

Observations

Weather/Temperature: 60° Sunny

Sample description: _____

Free Product? yes _____ no X describe _____

Sheen? yes _____ no X describe _____

Odor? yes _____ no X describe _____



D&B ENGINEERS
AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 5/17/23

WELL ID: ENG-S Time On-site: 9:30 Time Off-site: 10:05
SAMPLERS: Ryan Lee

Depth of well (feet from top of casing) 113.70
Initial static water level (feet from top of casing) 98.43
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
3 in. casing: _____ ft. of water x 0.36 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons
4 in. casing: 15.27 ft. of water x 0.65 = 9.9 gallons

volume of water removed: 84 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)
Initial	5.65	12.47	0.396	67.7	5.21	303
12	5.36	12.73	0.394	14.4	4.77	345
24	5.31	12.76	0.393	8.4	4.90	353
36	5.34	12.76	0.393	2.5	4.80	367
48	5.31	12.81	0.393	1.9	4.81	372
60	5.33	12.82	0.393	1.6	4.75	373
72	5.18	12.84	0.391	0.9	5.44	384
84	5.18	12.83	0.392	0.8	5.48	386
-	-	-	-	-	-	-

Purging Rate:

2.5

Purging Time:

35 min

Sampling Rate:

0.1/min VOCs / 0.5l/min Other Analytes

Sampling

Time of Sample Collection: 10:10

Method:

☐ Submersible Pump
☐ In-line filter (Diss. metals)
☐ Pos. Displ. Pump
☒ Disposable bailer
☐ Dedicated pump

Analyses (Pace Analytical Laboratory)

☒ VOCs
☒ Total & Dissolved Metals
☒ Leachate
☒ Parameters

Observations

Weather/Temperature: 60° sunny

Sample description: _____

Free Product? yes ☐ no ☒ describe _____

Sheen? yes ☐ no ☒ describe _____

Odor? yes ☐ no ☒ describe _____

db D&B ENGINEERS
AND ARCHITECTS

TOWN OF OYSTER BAY LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill

DATE 5/17/23

WELL ID: EN9-M
SAMPLERS: Cyan Lee

Time On-site:

10:45

Time Off-site:

11:45

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

133.54

27.40

Purging Method

Airlift _____
Bailer _____
Submersible Pump X

Centrifugal _____
Pos. Displ. _____
Disposable 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: _____ ft. of water x 1.47 = _____ gallons
4 in. casing: 106.14 ft. of water x 0.65 = 68.99 gallons

volume of water removed: 300 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)
Initial	6.00	12.54	0.653	1.1	2.29	351
50	6.25	11.86	0.788	0.7	2.80	337
100	6.26	11.75	0.819	2.6	3.40	331
150	6.26	11.75	0.800	1.4	3.27	331
200	6.27	11.75	0.793	1.4	3.22	333
250	6.27	11.74	0.784	0.9	3.22	334
300	6.28	11.75	0.790	1.0	3.24	336
—	—	—	—	—	—	—
—	—	—	—	—	—	—

Purging Rate:

5 gpm

Purging Time:

50 min

Sampling Rate:

0.1l/min VOCs / 0.5l/min Other Analytes

Sampling

Time of Sample Collection: 11:50

Method:

Submersible Pump _____
In-line filter (Diss. metals) _____
Pos. Disp. Pump _____
Disposable bailer X
Dedicated pump _____

Analyses (Pace Analytical Laboratory)

X VOCs
X Total & Dissolved Metals
X Leachate
X Parameters

Observations

Weather/Temperature: 60° sunny

Sample description: _____

Free Product? yes _____ no X describe _____

Sheen? yes _____ no X describe _____

Odor? yes _____ no X describe _____



**D&B ENGINEERS
AND ARCHITECTS**

TOWN OF OYSTER BAY LANDFILL SAMPLING FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE Town of Oyster Bay Landfill DATE 5/17/23

WELL ID: CW-2M
SAMPLERS: Ryan Lee

Time On-site:
12:30

Time Off-site:
1:00

Depth of well (feet from top of casing) 116.49
Initial static water level (feet from top of casing) 81.08
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
3 in. casing: _____ ft. of water x 0.36 = _____ gallons
6 in. casing: _____ ft. of water x 1.47 = _____ gallons
4 in. casing: 35.41 ft. of water x 0.65 = 23.01 gallons

volume of water removed: 120 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)
Initial	<u>6.51</u>	<u>14.66</u>	<u>0.220</u>	<u>8.1</u>	<u>0.53</u>	<u>304</u>
20	<u>5.75</u>	<u>14.47</u>	<u>0.213</u>	<u>1.9</u>	<u>0.00</u>	<u>304</u>
40	<u>5.07</u>	<u>14.45</u>	<u>0.202</u>	<u>0.5</u>	<u>0.00</u>	<u>249</u>
60	<u>5.62</u>	<u>14.41</u>	<u>0.199</u>	<u>0.0</u>	<u>0.00</u>	<u>267</u>
80	<u>5.57</u>	<u>14.41</u>	<u>0.199</u>	<u>0.0</u>	<u>0.00</u>	<u>286</u>
100	<u>5.57</u>	<u>14.39</u>	<u>0.201</u>	<u>0.0</u>	<u>0.00</u>	<u>291</u>
120	<u>5.59</u>	<u>14.40</u>	<u>0.201</u>	<u>0.0</u>	<u>0.00</u>	<u>292</u>
—	—	—	—	—	—	—

Purging Rate:

4 gpm

Purging Time:

30 min

Sampling Rate:

0.1l/min VOCs / 0.5l/min Other Analytes

Sampling

Time of Sample Collection: 1:05

Method:

☐ Submersible Pump
☐ In-line filter (Diss. metals)
☐ Pos. Displ. Pump
☒ Disposable bailer
☐ Dedicated pump

Analyses (Pace Analytical Laboratory)

☒ VOCs
☒ Total & Dissolved Metals
☒ Leachate
☒ Parameters

Observations

Weather/Temperature: 60° sunny

Sample description:

Free Product? yes ☐ no ☒ describe _____
Sheen? yes ☐ no ☒ describe _____
Odor? yes ☐ no ☒ describe _____

**D&B ENGINEERS
AND ARCHITECTS**

APPENDIX F

CHAIN OF CUSTODY FORMS



Field Chain-of-Custody Record

YORK Project No.

23E1005

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

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company	DAB engineers & architects	Company	same	Company	same	Summary Report	5629	RUSH - Next Day	
Address	330 CROSSWAYS PARK DR	Address	same	Address	same	QA Report	YOUR Project Name	RUSH - Two Day	
Phone	WOODBURY NY, 11797	Phone	same	Phone	same	CMDP	East Northport Ground water	RUSH - Three Day	
516-364-9880		Contact	Keith Robins	Contact	same	Standard Excel EDD		RUSH - Four Day	
Contact	Keith Robins	E-mail	keith@db-eng.com	E-mail	same	NY ASP B Package		RUSH - Five Day	
E-mail	KRobins@db-eng.com					Other:		Standard (6-9 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.

Samples Collected by: (print AND sign your name)
Ryan Lee *Ryan Lee*

Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analyses Requested	Container Type	No.
CW-1M	GW	S - soil / solid	New York	☒ Summary Report	volatile organics, metals and hardness,	310mL vials, 2 IL	↓
CW-1S	GW	GW - groundwater	New Jersey	☐ QA Report	ALK, Bicarb to ALK, TD S, NO ₂ -N, NH ₄ -N	↓	↓
CW-4M	GW	DW - drinking water	Connecticut	☐ CMDP	NO ₃ , Cadmium, Arsenic, Chromium,	↓	↓
CW-4S	GW	WW - wastewater	Pennsylvania	☐ Standard Excel EDD	aluminum, calcium, iron, lead,	↓	↓
		O - Oil	Other:	☐ NY ASP B Package	Magnesium, mercury, potassium, sodium,		
					All Kalcinity/Bicarbonate, Ammonium, nitrate, chloride, TDS, Hardness, Sulfate		

Comments: Analyses is same for all four samples. Provide Category "B" and equiv send data to labdata@db-eng.com		Preservation: (check/all that apply)		Special Instruction	
		HCl ☒ MeOH ☐ HNO ₃ ☒ H ₂ SO ₄ ☒ NaOH ☐		Field Filtered ☒	
		ZnAc ☐ Ascorbic Acid ☐ Other: ☐		Lab to Filter ☐	
1. Samples Relinquished by / Company		Date/Time		Date/Time	
Ryan Lee/DAB		5/16/23 3:40		5/16/23 3:40	
2. Samples Relinquished by / Company		Date/Time		Date/Time	
Daniel Sassone/DAB		5/16/23 3:40 P		5/16/23 3:40	
3. Samples Relinquished by / Company		Date/Time		Date/Time	
Daniel Sassone/DAB		5/16/23 3:40 P		5/16/23 3:40	
4. Samples Relinquished by / Company		Date/Time		Date/Time	
Ryan Lee/DAB		5/17/23 1629		5/17/23 1629	



Field Chain-of-Custody Record

YORK Project No.
23E1107

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YOUR INFORMATION		YOUR PROJECT NUMBER
Company: D+B Engineers & Architects	Address: 330 crossways park	5629
Phone: 516-364-9890	City: Garden City, NY 11737	
Contact: Keith Robins	State: NY	
E-mail: krobins@db-eng.com	Zip: 11737	

Report To:		Invoice To:	
Company:	Address:	Company:	Address:
Phone:	City:	Phone:	City:
Contact:	State:	Contact:	State:
E-mail:	Zip:	E-mail:	Zip:

Report / EDD Type (circle selections)		YORK Reg. Comp.	
Summary Report	CT RCP	Compared to the following Regulation(s): (please fill in)	
QA Report	CT RCP DQADUE NYSDEC EQUIS		
CMDP	NJDEP Reduced		
Standard Excel EDD	Deliverables		
NY ASP B Package	Other:		

Matrix Codes		Samples From		Analyses Requested		Container Type	
S - soil / solid	New York	Date/Time Sampled					
GW - groundwater	New Jersey	5/17/23 8:45		Volatile Organics, Metals & hardness,		340-ml vials, 21L	
DW - drinking water	Connecticut	5/17/23 10:10		ALK, Bicarb, pH, TDS, NO ₂ , NH ₃ ,			
WW - wastewater	Pennsylvania	5/17/23 11:50		NO ₃ , Cadmium, Arsenic, Chromium,			
O - Oil	Other:	5/17/23 1:05		Aluminum, calcium, iron, lead,			
				Magnesium, Mercury, Potassium,			
				Sodium, Ammonia, Ammonium,			
				Nitrate, chloride, TDS, hardness, RL			
				Sulfate			

Preservation: (check all that apply)		Special Instruction			
HCl	MeOH	HNO ₃	H ₂ SO ₄	NaOH	
ZnAc	Ascorbic Acid	Other			

Comments: Analysis is same for all four samples provide category "B" and EQUIS end data to labdata@db-eng.com		1. Samples Relinquished by / Company		2. Samples Relinquished by / Company		3. Samples Relinquished by / Company		4. Samples Relinquished by / Company	
tB Ryan Lee 5/17/23		K. Robins 5/18/24 10:00 AM		K. Robins 5/18/23 16:25					
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	
5/17/23		5/18/24 10:00 AM		5/18/23 16:25					
5/17/23		5/18/24 10:00 AM		5/18/23 16:25					
5/17/23		5/18/24 10:00 AM		5/18/23 16:25					
5/17/23		5/18/24 10:00 AM		5/18/23 16:25					



YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

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YORK Project No.
23E1224

Page **1** of **2**

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YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	DtB Engineers + Architects	Company:	Same	Company:	same	5629		RUSH - Next Day	
Address:	330 crossways park	Address:	same	Address:	same	YOUR Project Name		RUSH - Two Day	
	Dr. woodbury NY, 11797		same		same	East northeast		RUSH - Three Day	
Phone:	(516)-364-9890	Phone:	same	Phone:	same	Groundwater		RUSH - Four Day	
Contact:	Keith Robins	Contact:	same	Contact:	same	YOUR PO#:		RUSH - Five Day	
E-mail:	KRobins@db-eng.com	E-mail:	KRobins@db-eng.com	E-mail:	KRobins@db-eng.com	5629		Standard (6-9 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.

Sample Identification		Samples Collected by: (print AND sign your name)		Report / EDD Type (circle selections)		YORK Reg. Comp.	
Sample Matrix		Date/Time Sampled		Analyses Requested		Container Type No.	
Field Blank-1-5/18/23	GW	5/45/5/18/23	New York	☒ Summary Report	CT RCP	Compared to the following Regulation(s): (please fill in)	
Blind duplicate-1-5/18/23	GW	1234/5/18/23	New Jersey	☐ QA Report	CT RCP DQADUE		
Trip blank-5/18/23	GW	- 5/18/23	Connecticut	☐ CMDP	NJDEP Reduced		
EN1-M-5/18/23	GW	1:00 5/18/23	Pennsylvania	☐ Standard Excel EDD	Deliverables		
EN1-M-5/18/23(MSD)	GW	1:00 5/18/23	Other:	☐ NY ASP B Package	Other: CATEGORY (B)		
EN7-M-5/18/23	GW	1:00 5/18/23					
EN-10M-5/18/23	GW	4:00 5/18/23					

Comments: Analyses is same for all samples on this chain of custody page		Preservation: (check all that apply)		Special Instruction	
HCl ☒	MeOH ☒	HNO3 ☒	H2SO4 ☒	NaOH ☐	Field Filtered
ZnAc ☐	Ascorbic Acid ☐	Other: ☐			Lab to Filter
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 17:10	
1. Samples Relinquished by / Company: Ryan Lee/OtB		2. Samples Relinquished by / Company: Vicki D. York		3. Samples Received by / Company: 5/19/23 2025	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 2025	
4. Samples Relinquished by / Company: Ryan Lee/OtB		5. Samples Received by / Company: 5/19/23 2025		Temperature: 4.0 Degrees C	



Field Chain-of-Custody Record

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YORK Project No.

23E1224

Page 2 of 2

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800-306-YORK

Page 2 of 2

YOUR INFORMATION		REPORT TO:		INVOICE TO:		YOUR PROJECT NUMBER		TURN-AROUND TIME	
Company: DDB ENGINEERS + ARCHITECTS 330 CROSSWAYS PARK DR. WOODBURY NY, 11797 Phone: 516-364-4890 Contact: Keith Robbins E-mail: krobins@db-eng.com	Company: DDB ENGINEERS + ARCHITECTS 330 CROSSWAYS PARK DR. WOODBURY NY, 11797 Phone: 516-364-4890 Contact: Keith Robbins E-mail: krobins@db-eng.com	Report To:		Invoice To:		YOUR PROJECT NUMBER		TURN-AROUND TIME	
Samples Collected by: (print AND sign your name) Ryan Lee Rylee		Sample Identification		Matrix Codes		Samples From		Report / EDD Type (circle selections)	
Field blank - 1-5/18/23		GL		S - soil / solid		New York		Summary Report	
Blank duplicate - 1-5/18/23		GL		GW - groundwater		New Jersey		CT RCP	
EN1-M-5/18/23		GL		DW - drinking water		Connecticut		CT RCP DQA/DUE NYSDEC EQUIS	
EN1-M-5/18/23 (MSD)		GL		WW - wastewater		Pennsylvania		NJDEP Reduced NJDKQP	
EN7-M-5/18/23		GL		O - Oil		Other:		Deliverables NJDEP SRP HazSite	
EN-10M-5/18/23		GL		Other:		Other:		Other: Category (B)	
Comments: analysis is same for all samples on this chain of custody page		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10		5/18/23 17:10	
Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time		Date/Time	
Ryan Lee Rylee		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15		5/18/23 8:15	
Vickor D. York									

APPENDIX G

DATA VALIDATION FORMS

kiDATA VALIDATION CHECKLIST

Project Name:	East Northport Landfill		
Project Number:	5629 17A		
Sample Date(s):	May 16, 2023		
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:	23E1005	Date:	6/22/2023

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: 23E1005
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis				
				VOC	SVOC	PCB	MET	MISC
CW-1M	23E1005-001	5/16/2023		X			X	X
CW-1S	23E1005-002	5/16/2023		X			X	X
CW-4M	23E1005-003	5/16/2023		X			X	X
CW-4S	23E1005-004	5/16/2023		X			X	X
TRIP BLANK	23E1005-005	5/16/2023		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:

Performance was acceptable, except the following:

- 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.

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
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:

Performance was acceptable, except the following:

- The %R was above the QC limit for cadmium in the continuing calibration verifications. Cadmium was qualified as estimated bias high (JH) in samples CW-1M and CW-4S.

**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
8. Field duplicate					X

%R percent recovery

RPD - relative percent difference

%D – percent difference

RSD - relative standard deviation

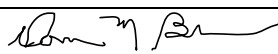
Comments:

Performance was acceptable.

**DATA VALIDATION AND
QUALIFICATION SUMMARY**

Laboratory Numbers: 23E1005

<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	The %Rs were below the QC limits in the LCS and LCSD
<u>Metals</u>			
CW-1M and CW-4S	Cadmium	JH	The %R was above the QC limit in the continuing calibration verifications
<u>General Chemistry</u>			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 8/7/2023
VALIDATION PERFORMED BY SIGNATURE:	

kiDATA VALIDATION CHECKLIST

Project Name:	East Northport Landfill		
Project Number:	5629 17A		
Sample Date(s):	May 17, 2023		
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:	23E1107	Date:	7/10/2023

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: 23E1107
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis				
				VOC	SVOC	PCB	MET	MISC
EN-6M	23E1107-001	5/17/2023		X			X	X
EN-6S	23E1107-002	5/17/2023		X			X	X
EN-9M	23E1107-003	5/17/2023		X			X	X
CW-2M	23E1107-004	5/17/2023		X			X	X
TRIP BLANK	23E1107-005	5/17/2023		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:

Performance was acceptable, except the following:

- 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.

INORGANIC ANALYSES METALS

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

Performance was acceptable, except the following:

- 2A. Potassium was detected in the initial calibration blank and no qualification of the data was necessary.
- 5. The %R was above the QC limit for cadmium in the CRDL standard. Cadmium was qualified as estimated bias high (JH) in samples EN-6M, EN-9M, and CW-2M.

**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:

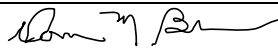
Performance was acceptable, except the following:

- The %R was below the QC limit for sulfate and it was qualified as estimated (J) in all samples.

**DATA VALIDATION AND
QUALIFICATION SUMMARY**

Laboratory Numbers: 23E1107

<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	The %Rs were below the QC limits in the LCS and LCSD
<u>Metals</u>			
All samples	Cadmium	JH	The %R was above the QC limit in the CRDL standard
<u>General Chemistry</u>			
All samples	Sulfate	J	The %R was below the QC limit

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 7/31/2023
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECKLIST

Project Name:	East Northport Landfill		
Project Number:	5629 17A		
Sample Date(s):	May 18, 2023		
Sample Team:	Keith Robins		
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 8270D <u>PFAS:</u> by Method 1633 <u>Metals:</u> by Method 6010D <u>General Chemistry:</u> Hardness (SM 2340B), Alkalinity (SM2320B), Chemical Oxygen Demand (COD) (USEPA 410.4), Chloride, Sulfate, and Bromide (USEPA 300.0), Total Dissolved Solids (SM 2540C), Biochemical Oxygen Demand (BOD) (SM5210B), Nitrate and Nitrite (USEPA 353.2), Ammonia (SM 22 4500), Total Kjeldahl Nitrogen (TKN) (USEPA 351.2), Total Organic Carbon (SM22 5310B) and Phenolics (USEPA 420.1)		
Laboratory Report No:	23E1224	Date:	6/29/2023

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: 23E1224
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis				
				VOC	1,4-Dioxane	PFAS	MET	MISC
FIELD BLANK	23E1224-001	5/18/2023		X	X	X	X	X
BLIND DUPLICATE-1	23E1224-002	5/18/2023	EN7-M	X	X	X	X	X
EN1-M	23E1224-003	5/18/2023		X	X	X	X	X
EN7-M	23E1224-004	5/18/2023		X	X	X	X	X
EN10-M	23E1224-005	5/18/2023		X	X	X	X	X
TRIP BLANK	23E1224-006	5/18/2023		X				

ORGANIC ANALYSES

VOCS & 1,4-Dioxane

	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	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
%R - percent recovery

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

RRF - relative response factor
RPD - relative percent difference

Comments:

Performance was acceptable, except the following:

- 2C. The methylene chloride was detected in the field blank and method blank. It was not detected in the associated samples therefore qualification of the data was not necessary.
 3. The %R was above the QC limits for 1,1,1-trichloroethane, 1,1-dichloroethane, 1,2-dichloroethane, benzene, carbon tetrachloride, chloroform, cis-1,2-dichloroethylene, o-xylene, p- & m- xylenes, toluene, and trans-1,2-dichloroethylene in the MS and/or MSD associated with all samples. The following compounds were detected in the samples and were qualified as estimated (J): chloroform in samples EN1-M and EN10-M; 1,1-dichloroethane and cis-1,2-dichloroethylene in sample EN7-M.
 - 3,4&6. 2-Chloroethylvinyl ether %R was below the QC limit in the MS, MSD, and LCS associated with all samples, and it 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 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 1,1,1-trichloroethane and carbon tetrachloride associated samples EN1-M and TRIP BLANK. No qualification of the data was necessary.

ORGANIC ANALYSES

PFAS

	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		X
3. Duplicate (RPD)		X	X		
4. Laboratory control sample (LCS) & LCS Duplicate (LCSD) %R %RPD		X	X		
5. Surrogate spike recoveries		X	X		
6. Instrument performance check					X
7. Internal standard retention times and areas		X	X		
8. Initial calibration RRF's and %RSD's		X	X		
9. Continuing calibration RRF's and %D's		X		X	
10. Transcriptions – quant report vs. Form I		X		X	
11. 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:

- 2B. Perfluoro-n-butanoic acid (PFBA) was detected in the field blank. No qualification of the data was necessary.
3. The RPDs were above the QC limits for perfluorobutanesulfonic acid and perfluorooctanoic acid in the duplicate done from sample EN1-M. These pfas were not reported above the reporting limit and no qualification of the data was necessary.
4. 3-Perfluoroheptyl propanoic acid, N-EtFOSA, and perfluorododecanesulfonic acid (PFDoS) %Rs were below the QC limits and 3-perfluoropropyl propanoic acid and perfluorotridecanoic acid %Rs were above the QC limits in the LCS associated with all samples. They were qualified as an estimated limit (UJ) in all samples.
5. The following surrogates %Rs were outside the QC limits: perfluoro-n-[13C4]butanoic acid (MPFBA) was below in samples FIELD BLANK and EN-10M; perfluoro-n-[13C4]butanoic acid (MPFBA) was below in sample EN-1M; d-N-EtFOSA was above in sample FIELD BLANK; M2-4:2 FTS was above in samples BLIND DUPLICATE-1 and EN-7M. No qualification of the data was necessary.
7. The internal standard was below the QC limit in samples Blind Duplicate-1-5-18-23 and EN7-M. The following PFAs were detected above the reporting limit and were qualified as estimated (J): perfluorobutanesulfonic acid (PFBS), perfluorohexanoic acid (PFHxA), perfluoroheptanoic acid (PFHpA), perfluorohexanesulfonic acid (PFHxS), perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS), N-EtFOSAA, perfluoropentanoic acid (PFPeA), perfluoro-n-butanoic acid (PFBA), and perfluoro-1-pentanesulfonate (PFPeS) in

samples Blind Duplicate-1 and EN7-M; and perfluoro-1-heptanesulfonic acid (PFHpS) and HFPO-DA (Gen-X) in sample Blind Duplicate-1.

8. The RSDs were above the for 1H,1H,2H,2H-perfluorodecanesulfonic acid, 1H,1H,2H,2H-perfluorohexanesulfonic acid, 1H,1H,2H,2H-perfluorooctanesulfonic acid, and perfluorononanoic acid (PFNA) in the initial calibration. They were qualified as estimated (J/UJ) in all samples.
11. Sample EN7-M was field duplicated and labeled BLIND DUPLICATE. Based on field duplicate results perfluoropentanoic acid (PFPeA) and perfluoro-1-heptanesulfonic acid (PFHpS) was qualified as estimated (J/UJ) in samples EN7-M and BLIND DUPLICATE.

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:

2. Aluminum, calcium, mercury, and potassium were detected in the initial calibration blank and/or FIELD BLANK. Aluminum was qualified as non-detect (UB) in sample EN1-M. The B qualifier was removed from potassium.
8. The %Rs were above the QC limits in the MS for chromium and iron. The following metals were qualified as estimated (J): chromium in sample EN-10M and iron in all samples.
10. The RPD was above the QC limit for aluminum in the duplicate. It was qualified as estimated (J/UJ) in all samples.
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
	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			
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:

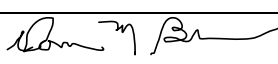
Performance was acceptable, except the following:

- 2B. Chloride, ammonia, TDS, and nitrate were detected in the blanks. Ammonia was qualified as non-detect (UB) in sample EN-10M.
- 7. The %R was below in the spike for sulfate associated with all samples. It was qualified as estimated (J/UJ) in all samples.

**DATA VALIDATION AND
QUALIFICATION SUMMARY**
Laboratory Numbers: 23E1224

<u>Sample ID</u>	<u>Analyte(s)</u>	<u>Qualifier</u>	<u>Reason(s)</u>
<u>VOCS & 1,4-Dioxane</u>			
EN1-M and EN10-M	Chloroform	J	The %R was above the QC limits in the MS and/or MSD
EN7-M	1,1-Dichloroethane and cis-1,2-dichloroethylene		
All samples	2-Chloroethylvinyl ether	UJ	%R was below the QC limit in the MS, MSD, and LCS
All samples	Tetrachloroethene	UJ	The %R was below the QC limit in the LCS and LCSD
<u>PFAs</u>			
All samples	3-Perfluoroheptyl propanoic acid, N-EtFOSA, and perfluorododecanesulfonic acid (PFDoS)	UJ	%Rs were below the QC limits
	3-Perfluoropropyl propanoic acid and perfluorotridecanoic acid	UJ	%Rs were above the QC limits
Blind Duplicate-1 and EN7-M	Perfluorobutanesulfonic acid (PFBS), perfluorohexanoic acid (PFHxA), perfluoroheptanoic acid (PFHpA), perfluorohexanesulfonic acid (PFHxS), perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS), N-EtFOSAA, perfluoropentanoic acid (PFPeA), perfluoro-n-butanoic acid (PFBA), and perfluoro-1-pentanesulfonate (PFPeS)	J	The internal standard was below the QC limit
Blind Duplicate-1	Perfluoro-1-heptanesulfonic acid (PFHpS) and HFPO-DA (Gen-X)		
All samples	1H,1H,2H,2H-Perfluorodecanesulfonic acid, 1H,1H,2H,2H-perfluorohexanesulfonic acid, 1H,1H,2H,2H-perfluorooctanesulfonic acid, and perfluorononanoic acid (PFNA)	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>
<u>PFA's continued</u>			
EN7-M and BLIND DUPLICATE.	Perfluoropentanoic acid (PFPeA) and perfluoro-1-heptanesulfonic acid (PFHpS)	J/UJ	Field duplicate results
<u>Metals</u>			
EN1-M	Aluminum	UB	Detected in the initial calibration blank and/or FIELD BLANK
All samples	Potassium	B	
EN-10M	Chromium	J	The %Rs were above the QC limits in the MS
All samples	Iron		
All samples	Aluminum	J/UJ	The RPD was above the QC limit in the duplicate
EN7-M and BLIND DUPLICATE	Aluminum	J	field duplicated results
<u>General Chemistry</u>			
EN-10M	Ammonia	UB	Detected in the intimal calibration blank
All samples	Sulfate	J/UJ	The %R was below in the spike

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 8/7/2023
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECKLIST

Project Name:	East Northport Landfill		
Project Number:	5629 17A		
Sample Date(s):	May 22, 2023		
Sample Team:	Keith Robins		
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 (EPA 200.7), 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:	23E1369	Date:	6/23/2023

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: 23E1369
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Parent Sample	Analysis				
				VOC	SVOC	PCB	MET	MISC
SW-7	23E1369-001	5/22/2023		X				X
SW-6	23E1369-002	5/22/2023		X				X
SW-5	23E1369-003	5/22/2023		X				X
SW-4	23E1369-004	5/22/2023		X				X
SW-3	23E1369-005	5/22/2023		X				X
SW-2	23E1369-003	5/22/2023		X				X
SW-1	23E1369-004	5/22/2023		X				X
TRIP BLANK	23E1369-005	5/22/2023		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:

Performance was acceptable, except the following:

- 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/J) in all samples.

The %Rs were below the QC limits in the LCS and/or LCSD for carbon tetrachloride and 1,1,1-trichloroethene. They were not detected in the samples therefore qualification of the data was not necessary.

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:

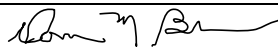
Performance was acceptable.

- 2A. Chloride was detected in the method blank associated with sample SW-7. Based on sample concentrations qualification of the data was not necessary.

**DATA VALIDATION AND
QUALIFICATION SUMMARY**

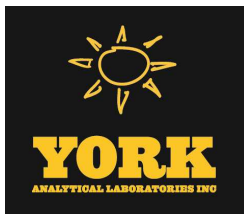
Laboratory Numbers: 23E1369

<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
<u>General Chemistry</u>			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 7/11/2023
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: Keith Robins

Report Date: 06/08/2023

Client Project ID: 5629 East Northport Ground Water

York Project (SDG) No.: 23E1005

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/08/2023
Client Project ID: 5629 East Northport Ground Water
York Project (SDG) No.: 23E1005

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

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, 2023 and listed below. The project was identified as your project: **5629 East Northport Ground Water**.

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>
23E1005-01	CW-1M	Ground Water	05/16/2023	05/17/2023
23E1005-02	CW-1S	Ground Water	05/16/2023	05/17/2023
23E1005-03	CW-4M	Ground Water	05/16/2023	05/17/2023
23E1005-04	CW-4S	Ground Water	05/16/2023	05/17/2023
23E1005-05	Trip Blank	Water	05/16/2023	05/17/2023

General Notes for York Project (SDG) No.: 23E1005

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

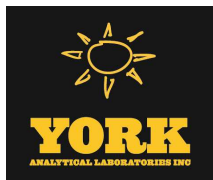
Approved By:



Date: 06/08/2023

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: CW-1M

York Sample ID: 23E1005-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1005

5629 East Northport Ground Water

Ground Water

May 16, 2023 9:10 am

05/17/2023

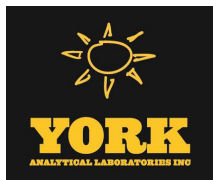
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 15:52	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA



Sample Information

Client Sample ID: CW-1M

York Sample ID: 23E1005-01

York Project (SDG) No.
23E1005

Client Project ID
5629 East Northport Ground Water

Matrix
Ground Water

Collection Date/Time
May 16, 2023 9:10 am

Date Received
05/17/2023

VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 15:52	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 15:52	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	93.1 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.6 %	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	1.47		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 14:16	CG

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,PADEP	05/25/2023 08:50	05/25/2023 14:16	CG

Chromium by EPA 6010

Log-in Notes:

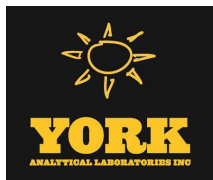
Sample Notes:

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

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: CW-1M

York Sample ID: 23E1005-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1005

5629 East Northport Ground Water

Ground Water

May 16, 2023 9:10 am

05/17/2023

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	0.00967		mg/L	0.00556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:16	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	113		mg/L	1.11	1	SM 2340B-2011	05/24/2023 08:21	05/25/2023 15:03	CG
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP		

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	3.76		mg/L	0.278	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:16	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	13.4		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:16	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	2.84		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:16	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	11.0		mg/L	0.556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:16	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	1.58		ug/L	1.11	1	EPA 6020B	05/24/2023 08:28	05/24/2023 17:37	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: CW-1M

York Sample ID: 23E1005-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1005

5629 East Northport Ground Water

Ground Water

May 16, 2023 9:10 am

05/17/2023

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	1.19	M-CCV 1	ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/24/2023 08:28	05/24/2023 17:37	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	13.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/24/2023 08:28	05/24/2023 17:37	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,PADEP	05/18/2023 07:37	05/18/2023 07:37	AD

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	21.8		mg/L	0.0690	0.500	1	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/17/2023 22:48	05/17/2023 22:48	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	0.222		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/17/2023 22:48	05/17/2023 22:48	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	56.4		mg/L	10.0	10	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/19/2023 12:01	05/19/2023 12:01	NJO

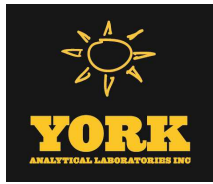
Alkalinity, Total

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	52		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 06:37	05/18/2023 12:15	VR



Sample Information

Client Sample ID: CW-1M

York Sample ID: 23E1005-01

York Project (SDG) No.

Client Project ID

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05/17/2023

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:	05/18/2023 17:11	05/18/2023 19:48	NJO

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 Certifications:	05/18/2023 06:39	05/18/2023 12:16	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	169		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 17:21	05/18/2023 17:21	AA

Sample Information

Client Sample ID: CW-1S

York Sample ID: 23E1005-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1005

5629 East Northport Ground Water

Ground Water

May 16, 2023 10:45 am

05/17/2023

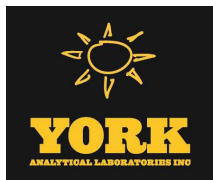
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 16:18	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA



Sample Information

Client Sample ID: CW-1S

York Sample ID: 23E1005-02

York Project (SDG) No.
23E1005

Client Project ID
5629 East Northport Ground Water

Matrix
Ground Water

Collection Date/Time
May 16, 2023 10:45 am

Date Received
05/17/2023

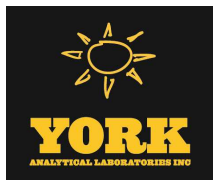
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 16:18	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
108-90-7	Chlorobenzene	0.72		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA



Sample Information

Client Sample ID: CW-1S

York Sample ID: 23E1005-02

York Project (SDG) No.

23E1005

Client Project ID

5629 East Northport Ground Water

Matrix

Ground Water

Collection Date/Time

May 16, 2023 10:45 am

Date Received

05/17/2023

VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 16:18	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:18	SMA
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %					78-126			
2037-26-5	Surrogate: SURR: Toluene-d8	94.4 %					84-117			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.6 %					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	0.639		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 14:19	CG

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	44.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 14:19	CG

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	0.00575		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 14:19	CG

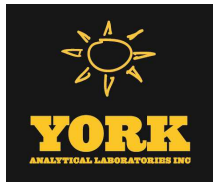
Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

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	05/24/2023 08:21	05/25/2023 15:21	CG



Sample Information

Client Sample ID: CW-1S

York Sample ID: 23E1005-02

York Project (SDG) No.

23E1005

Client Project ID

5629 East Northport Ground Water

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Ground Water

Collection Date/Time

May 16, 2023 10:45 am

Date Received

05/17/2023

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	27.9		mg/L	0.278	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:19	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	12.7		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:19	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	26.8		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:19	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	54.6		mg/L	0.556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:19	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	72.0		ug/L	1.11	1	EPA 6020B	05/24/2023 08:28	05/24/2023 17:41	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/24/2023 08:28	05/24/2023 17:41	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

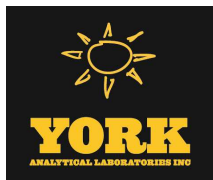
Lead by EPA 6020

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	5.98		ug/L	1.11	1	EPA 6020B	05/24/2023 08:28	05/24/2023 17:41	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: CW-1S

York Sample ID: 23E1005-02

York Project (SDG) No.
23E1005

Client Project ID
5629 East Northport Ground Water

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Ground Water

Collection Date/Time
May 16, 2023 10:45 am

Date Received
05/17/2023

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,PADEP	05/18/2023 07:37	05/18/2023 07:37	AD

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	38.1		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 12:11	05/19/2023 12:11	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	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/17/2023 23:08	05/17/2023 23:08	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	56.5		mg/L	10.0	10	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/19/2023 12:11	05/19/2023 12:11	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	260		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 06:37	05/18/2023 12:15	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	10.8		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/18/2023 17:11	05/18/2023 19:48	NJO

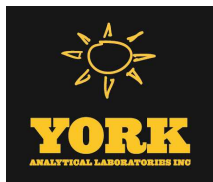
Bicarbonate

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	260		mg/L	2.00	1	SM 2310B Certifications:	05/18/2023 06:39	05/18/2023 12:16	VR



Sample Information

Client Sample ID: CW-1S

York Sample ID: 23E1005-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1005

5629 East Northport Ground Water

Ground Water

May 16, 2023 10:45 am

05/17/2023

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	332		mg/L	10.0	1	SM 2540C-2015	05/18/2023 17:21	05/18/2023 17:21	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: CW-4M

York Sample ID: 23E1005-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1005

5629 East Northport Ground Water

Ground Water

May 16, 2023 1:15 pm

05/17/2023

VOA, 624 LOW MASTER

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	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1	05/18/2023 09:00	05/18/2023 17:33	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		



Sample Information

Client Sample ID: CW-4M

York Sample ID: 23E1005-03

York Project (SDG) No.
23E1005

Client Project ID
5629 East Northport Ground Water

Matrix
Ground Water

Collection Date/Time
May 16, 2023 1:15 pm

Date Received
05/17/2023

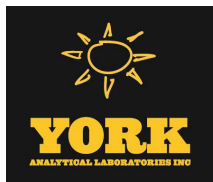
VOA, 624 LOW MASTER

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	05/18/2023 09:00	05/18/2023 17:33	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
67-66-3	Chloroform	0.91		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 17:33	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	94.9 %	84-117							



Sample Information

Client Sample ID: CW-4M

York Sample ID: 23E1005-03

York Project (SDG) No.

23E1005

Client Project ID

5629 East Northport Ground Water

Matrix

Ground Water

Collection Date/Time

May 16, 2023 1:15 pm

Date Received

05/17/2023

VOA, 624 LOW MASTER

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
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.7 %			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	0.0672		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:22	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	25.1		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:22	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	0.00873		mg/L	0.00556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:22	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	103		mg/L	1.11	1	SM 2340B-2011	05/24/2023 08:21	05/25/2023 15:24	CG
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP		

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	05/25/2023 08:50	05/25/2023 14:22	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	9.58		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:22	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Potassium by EPA 6010

Log-in Notes:

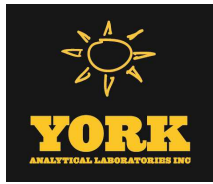
Sample Notes:

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: CW-4M

York Sample ID: 23E1005-03

York Project (SDG) No.

23E1005

Client Project ID

5629 East Northport Ground Water

Matrix

Ground Water

Collection Date/Time

May 16, 2023 1:15 pm

Date Received

05/17/2023

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	1.49		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:22	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	19.7		mg/L	0.556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:22	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/24/2023 08:28	05/24/2023 17:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/24/2023 08:28	05/24/2023 17:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/24/2023 08:28	05/24/2023 17:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/18/2023 07:37	05/18/2023 07:37	AD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

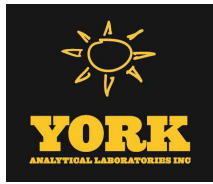
Chloride

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	38.3		mg/L	0.0690	0.500	1	EPA 300.0	05/17/2023 23:57	05/17/2023 23:57	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: CW-4M

York Sample ID: 23E1005-03

York Project (SDG) No.

23E1005

Client Project ID

5629 East Northport Ground Water

Matrix

Ground Water

Collection Date/Time

May 16, 2023 1:15 pm

Date Received

05/17/2023

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	6.31		mg/L	0.0500	1	EPA 300.0	05/17/2023 23:57	05/17/2023 23:57	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	31.0		mg/L	1.00	1	EPA 300.0	05/17/2023 23:57	05/17/2023 23:57	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	05/18/2023 06:37	05/18/2023 12:15	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	05/18/2023 17:11	05/18/2023 19:48	NJO
							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	32.0		mg/L	2.00	1	SM 2310B	05/18/2023 06:39	05/18/2023 12:16	VR
							Certifications:			

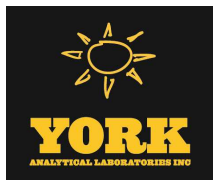
Total Dissolved Solids

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	245		mg/L	10.0	1	SM 2540C-2015	05/18/2023 17:21	05/18/2023 17:21	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		



Sample Information

Client Sample ID: CW-4S

York Sample ID: 23E1005-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1005

5629 East Northport Ground Water

Ground Water

May 16, 2023 3:10 pm

05/17/2023

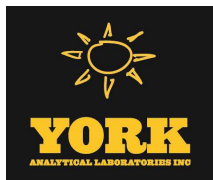
VOA, 624 LOW MASTER

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	05/18/2023 09:00	05/18/2023 18:00	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA



Sample Information

Client Sample ID: CW-4S

York Sample ID: 23E1005-04

York Project (SDG) No.
23E1005

Client Project ID
5629 East Northport Ground Water

Matrix
Ground Water

Collection Date/Time
May 16, 2023 3:10 pm

Date Received
05/17/2023

VOA, 624 LOW MASTER

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	05/18/2023 09:00	05/18/2023 18:00	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/18/2023 09:00	05/18/2023 18:00	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	94.7 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.8 %	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	0.553		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 14:25	CG

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	14.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 14:25	CG

Chromium by EPA 6010

Log-in Notes:

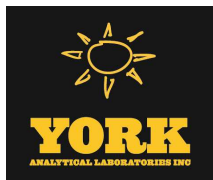
Sample Notes:

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@



Sample Information

Client Sample ID: CW-4S

York Sample ID: 23E1005-04

York Project (SDG) No.
23E1005

Client Project ID
5629 East Northport Ground Water

Matrix
Ground Water

Collection Date/Time
May 16, 2023 3:10 pm

Date Received
05/17/2023

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	0.0299		mg/L	0.00556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:25	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	51.7		mg/L	1.11	1	SM 2340B-2011	05/24/2023 08:21	05/25/2023 15:27	CG
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP		

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	3.14		mg/L	0.278	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:25	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	3.99		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:25	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	3.71		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:25	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	11.1		mg/L	0.556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 14:25	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

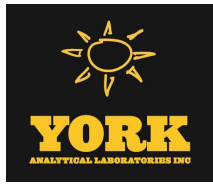
Sample Prepared by Method: EPA 3015A

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	05/24/2023 08:28	05/24/2023 17:48	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: CW-4S

York Sample ID: 23E1005-04

York Project (SDG) No.

23E1005

Client Project ID

5629 East Northport Ground Water

Matrix

Ground Water

Collection Date/Time

May 16, 2023 3:10 pm

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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	7.06	M-CCV 1	ug/L	0.556	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/24/2023 08:28	05/24/2023 17:48	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	17.2		ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/24/2023 08:28	05/24/2023 17:48	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,PADEP	05/18/2023 07:37	05/18/2023 07:37	AD

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	29.2		mg/L	0.0690	0.500	1	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/18/2023 00:07	05/18/2023 00:07	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	3.90		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 00:07	05/18/2023 00:07	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	17.4		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 00:07	05/18/2023 00:07	VR

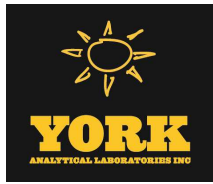
Alkalinity, Total

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	28		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 06:37	05/18/2023 12:15	VR



Sample Information

Client Sample ID: CW-4S

York Sample ID: 23E1005-04

York Project (SDG) No.

23E1005

Client Project ID

5629 East Northport Ground Water

Matrix

Ground Water

Collection Date/Time

May 16, 2023 3:10 pm

Date Received

05/17/2023

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	0.0704		mg/L	0.0500	1	SM 4500-NH3 D	05/18/2023 17:11	05/18/2023 19:48	NJO
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	05/18/2023 06:39	05/18/2023 12:16	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	160		mg/L	10.0	1	SM 2540C-2015	05/18/2023 17:21	05/18/2023 17:21	AA
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E1005-05

York Project (SDG) No.

23E1005

Client Project ID

5629 East Northport Ground Water

Matrix

Water

Collection Date/Time

May 16, 2023 3:00 pm

Date Received

05/17/2023

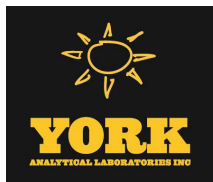
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 12:20	SMA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP										
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 12:20	SMA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP										
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 12:20	SMA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP										
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 12:20	SMA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP										
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 12:20	SMA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP										
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 12:20	SMA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP										
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 12:20	SMA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP										



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E1005-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1005

5629 East Northport Ground Water

Water

May 16, 2023 3:00 pm

05/17/2023

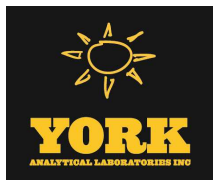
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 12:20	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E1005-05

York Project (SDG) No.
23E1005

Client Project ID
5629 East Northport Ground Water

Matrix
Water

Collection Date/Time
May 16, 2023 3:00 pm

Date Received
05/17/2023

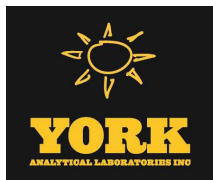
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 12:20	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:20	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	94.1 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.8 %	71-130							



Analytical Batch Summary

Batch ID: BE31231 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/18/23
23E1005-02	CW-1S	05/18/23
23E1005-03	CW-4M	05/18/23
23E1005-04	CW-4S	05/18/23
BE31231-DUP1	Duplicate	05/18/23
BE31231-SRM1	Reference	05/18/23

Batch ID: BE31232 **Preparation Method:** Analysis Preparation **Prepared By:** VR

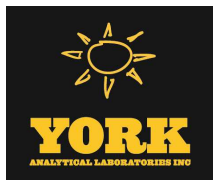
YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/18/23
23E1005-02	CW-1S	05/18/23
23E1005-03	CW-4M	05/18/23
23E1005-04	CW-4S	05/18/23
BE31232-BLK1	Blank	05/18/23
BE31232-DUP1	Duplicate	05/18/23

Batch ID: BE31242 **Preparation Method:** EPA 245.1 Mercury **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/18/23
23E1005-02	CW-1S	05/18/23
23E1005-03	CW-4M	05/18/23
23E1005-04	CW-4S	05/18/23
BE31242-BLK1	Blank	05/18/23
BE31242-BLK2	Blank	05/18/23
BE31242-BS1	LCS	05/18/23
BE31242-BS2	LCS	05/18/23

Batch ID: BE31247 **Preparation Method:** EPA 300 **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/17/23
23E1005-02	CW-1S	05/17/23
23E1005-03	CW-4M	05/17/23
23E1005-04	CW-4S	05/18/23
BE31247-BLK1	Blank	05/17/23
BE31247-BS1	LCS	05/17/23
BE31247-DUP1	Duplicate	05/17/23
BE31247-DUP2	Duplicate	05/17/23
BE31247-MS1	Matrix Spike	05/17/23
BE31247-MS2	Matrix Spike	05/17/23



Batch ID: BE31269

Preparation Method: EPA 5030B

Prepared By: SMA

YORK Sample ID	Client Sample ID	Preparation Date
23E1005-03	CW-4M	05/18/23
23E1005-04	CW-4S	05/18/23
BE31269-BLK1	Blank	05/18/23
BE31269-BS1	LCS	05/18/23
BE31269-BSD1	LCS Dup	05/18/23

Batch ID: BE31313

Preparation Method: Analysis Preparation

Prepared By: NJO

YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/18/23
23E1005-02	CW-1S	05/18/23
23E1005-03	CW-4M	05/18/23
23E1005-04	CW-4S	05/18/23
BE31313-BLK1	Blank	05/18/23
BE31313-BS1	LCS	05/18/23
BE31313-DUP1	Duplicate	05/18/23
BE31313-MS1	Matrix Spike	05/18/23
BE31313-MSD1	Matrix Spike Dup	05/18/23

Batch ID: BE31315

Preparation Method: % Solids Prep

Prepared By: AA

YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/18/23
23E1005-02	CW-1S	05/18/23
23E1005-03	CW-4M	05/18/23
23E1005-04	CW-4S	05/18/23
BE31315-BLK1	Blank	05/18/23
BE31315-DUP1	Duplicate	05/18/23
BE31315-DUP2	Duplicate	05/18/23

Batch ID: BE31385

Preparation Method: EPA 300

Prepared By: NJO

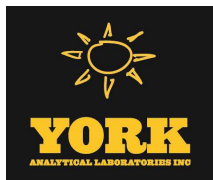
YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/19/23
23E1005-02	CW-1S	05/19/23
BE31385-BLK1	Blank	05/19/23
BE31385-BS1	LCS	05/19/23
BE31385-DUP1	Duplicate	05/19/23
BE31385-DUP2	Duplicate	05/19/23
BE31385-MS1	Matrix Spike	05/19/23
BE31385-MS2	Matrix Spike	05/19/23

Batch ID: BE31460

Preparation Method: EPA 5030B

Prepared By: SMA

YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/22/23



23E1005-02	CW-1S	05/22/23
23E1005-05	Trip Blank	05/22/23
BE31460-BLK1	Blank	05/22/23
BE31460-BS1	LCS	05/22/23
BE31460-BSD1	LCS Dup	05/22/23

Batch ID: BE31605 **Preparation Method:** EPA 200.7 **Prepared By:** MCS

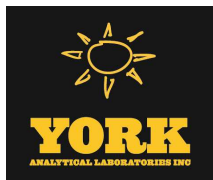
YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/24/23
23E1005-02	CW-1S	05/24/23
23E1005-03	CW-4M	05/24/23
23E1005-04	CW-4S	05/24/23
BE31605-BLK1	Blank	05/24/23
BE31605-DUP1	Duplicate	05/24/23

Batch ID: BE31609 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/24/23
23E1005-02	CW-1S	05/24/23
23E1005-03	CW-4M	05/24/23
23E1005-04	CW-4S	05/24/23
BE31609-BLK1	Blank	05/24/23
BE31609-BS1	LCS	05/24/23

Batch ID: BE31698 **Preparation Method:** EPA 3015A **Prepared By:** MCS

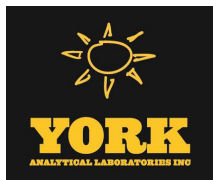
YORK Sample ID	Client Sample ID	Preparation Date
23E1005-01	CW-1M	05/25/23
23E1005-02	CW-1S	05/25/23
23E1005-03	CW-4M	05/25/23
23E1005-04	CW-4S	05/25/23
BE31698-BLK1	Blank	05/25/23
BE31698-BS1	LCS	05/25/23
BE31698-DUP1	Duplicate	05/25/23
BE31698-MS1	Matrix Spike	05/25/23
BE31698-PS1	Post Spike	05/25/23



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 BE31269 - EPA 5030B											
Blank (BE31269-BLK1)						Prepared & Analyzed: 05/18/2023					
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	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	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	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	0.50	"								
Naphthalene	ND	2.0	"								
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	9.47		"	10.0		94.7	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.48		"	10.0		94.8	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

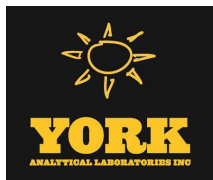
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31269 - EPA 5030B

LCS (BE31269-BS1)

Prepared & Analyzed: 05/18/2023

1,1,1-Trichloroethane	23.4		ug/L	20.0		117	75-125				
1,1,2,2-Tetrachloroethane	23.8		"	20.0		119	60-140				
1,1,2-Trichloroethane	22.2		"	20.0		111	71-129				
1,1-Dichloroethane	21.7		"	20.0		108	72-128				
1,1-Dichloroethylene	24.0		"	20.0		120	50-150				
1,2-Dichlorobenzene	21.1		"	20.0		105	63-137				
1,2-Dichloroethane	23.4		"	20.0		117	68-132				
1,2-Dichloropropane	21.5		"	20.0		108	34-166				
1,3-Dichlorobenzene	21.1		"	20.0		106	73-127				
1,4-Dichlorobenzene	20.8		"	20.0		104	63-137				
2-Chloroethylvinyl ether	0.00		"	20.0			20-224				Low Bias
Acrolein	33.6		"	20.0		168	70-130				High Bias
Acrylonitrile	25.0		"	20.0		125	70-130				
Benzene	22.5		"	20.0		112	64-136				
Bromochloromethane	22.7		"	20.0		114	77-128				
Bromodichloromethane	21.4		"	20.0		107	65-135				
Bromoform	23.0		"	20.0		115	71-129				
Bromomethane	15.2		"	20.0		76.2	14-186				
Carbon tetrachloride	23.9		"	20.0		119	73-127				
Chlorobenzene	22.0		"	20.0		110	66-134				
Chloroethane	21.3		"	20.0		106	38-162				
Chloroform	22.2		"	20.0		111	67-133				
Chloromethane	18.4		"	20.0		92.1	0.5-204				
cis-1,2-Dichloroethylene	22.5		"	20.0		113	70-130				
cis-1,3-Dichloropropylene	21.2		"	20.0		106	24-176				
Dibromochloromethane	22.4		"	20.0		112	67-133				
Ethyl Benzene	21.1		"	20.0		105	59-141				
Methyl tert-butyl ether (MTBE)	23.3		"	20.0		117	70-130				
Methylene chloride	22.6		"	20.0		113	60-140				
Naphthalene	21.9		"	20.0		110	70-130				
o-Xylene	21.2		"	20.0		106	70-130				
p- & m- Xylenes	41.3		"	40.0		103	70-130				
Tetrachloroethylene	12.8		"	20.0		63.8	73-127				Low Bias
Toluene	20.8		"	20.0		104	74-126				
trans-1,2-Dichloroethylene	23.0		"	20.0		115	69-131				
trans-1,3-Dichloropropylene	21.7		"	20.0		109	50-150				
Trichloroethylene	20.7		"	20.0		104	66-134				
Trichlorofluoromethane	23.4		"	20.0		117	48-152				
Vinyl Chloride	21.0		"	20.0		105	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	78-126				
Surrogate: SURR: Toluene-d8	9.62		"	10.0		96.2	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.92		"	10.0		99.2	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 BE31269 - EPA 5030B

LCS Dup (BE31269-BSD1)

Prepared & Analyzed: 05/18/2023

1,1,1-Trichloroethane	23.0		ug/L	20.0		115	75-125		1.38	30	
1,1,2,2-Tetrachloroethane	25.7		"	20.0		129	60-140		7.88	30	
1,1,2-Trichloroethane	23.7		"	20.0		118	71-129		6.36	30	
1,1-Dichloroethane	21.5		"	20.0		108	72-128		0.602	30	
1,1-Dichloroethylene	23.7		"	20.0		119	50-150		1.42	30	
1,2-Dichlorobenzene	21.5		"	20.0		108	63-137		2.16	30	
1,2-Dichloroethane	25.3		"	20.0		127	68-132		7.88	30	
1,2-Dichloropropane	21.4		"	20.0		107	34-166		0.233	30	
1,3-Dichlorobenzene	21.0		"	20.0		105	73-127		0.522	30	
1,4-Dichlorobenzene	21.2		"	20.0		106	63-137		1.91	30	
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias		30	
Acrolein	37.7		"	20.0		188	70-130	High Bias	11.4	30	
Acrylonitrile	31.4		"	20.0		157	70-130	High Bias	22.7	30	
Benzene	22.5		"	20.0		112	64-136		0.00	30	
Bromochloromethane	23.5		"	20.0		118	77-128		3.55	30	
Bromodichloromethane	22.0		"	20.0		110	65-135		2.77	30	
Bromoform	25.6		"	20.0		128	71-129		10.9	30	
Bromomethane	18.4		"	20.0		92.2	14-186		19.0	30	
Carbon tetrachloride	23.6		"	20.0		118	73-127		1.01	30	
Chlorobenzene	21.9		"	20.0		109	66-134		0.274	30	
Chloroethane	20.7		"	20.0		103	38-162		2.76	30	
Chloroform	22.5		"	20.0		113	67-133		1.61	30	
Chloromethane	17.8		"	20.0		89.1	0.5-204		3.31	30	
cis-1,2-Dichloroethylene	22.4		"	20.0		112	70-130		0.356	30	
cis-1,3-Dichloropropylene	21.6		"	20.0		108	24-176		1.82	30	
Dibromochloromethane	24.0		"	20.0		120	67-133		6.89	30	
Ethyl Benzene	20.5		"	20.0		102	59-141		2.89	30	
Methyl tert-butyl ether (MTBE)	26.5		"	20.0		132	70-130	High Bias	12.8	30	
Methylene chloride	23.5		"	20.0		118	60-140		4.17	30	
Naphthalene	25.2		"	20.0		126	70-130		13.8	30	
o-Xylene	21.1		"	20.0		106	70-130		0.0473	30	
p- & m- Xylenes	40.8		"	40.0		102	70-130		1.41	30	
Tetrachloroethylene	12.4		"	20.0		62.0	73-127	Low Bias	2.94	30	
Toluene	20.4		"	20.0		102	74-126		2.18	30	
trans-1,2-Dichloroethylene	22.3		"	20.0		112	69-131		2.83	30	
trans-1,3-Dichloropropylene	23.0		"	20.0		115	50-150		5.51	30	
Trichloroethylene	20.1		"	20.0		100	66-134		3.19	30	
Trichlorofluoromethane	22.8		"	20.0		114	48-152		2.68	30	
Vinyl Chloride	20.2		"	20.0		101	4-196		3.83	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.6		"	10.0		106	78-126				
Surrogate: SURR: Toluene-d8	9.60		"	10.0		96.0	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.69		"	10.0		96.9	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

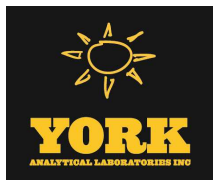
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31460 - EPA 5030B

Blank (BE31460-BLK1)

Prepared & Analyzed: 05/22/2023

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	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	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	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	0.50	"								
Naphthalene	ND	2.0	"								
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	9.98		"	10.0		99.8	78-126				
Surrogate: SURR: Toluene-d8	9.49		"	10.0		94.9	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.95		"	10.0		99.5	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

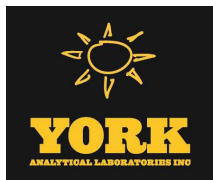
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31460 - EPA 5030B

LCS (BE31460-BS1)

Prepared & Analyzed: 05/22/2023

1,1,1-Trichloroethane	23.5		ug/L	20.0		118	75-125				
1,1,2,2-Tetrachloroethane	21.8		"	20.0		109	60-140				
1,1,2-Trichloroethane	21.0		"	20.0		105	71-129				
1,1-Dichloroethane	21.6		"	20.0		108	72-128				
1,1-Dichloroethylene	24.0		"	20.0		120	50-150				
1,2-Dichlorobenzene	20.6		"	20.0		103	63-137				
1,2-Dichloroethane	22.4		"	20.0		112	68-132				
1,2-Dichloropropane	20.7		"	20.0		104	34-166				
1,3-Dichlorobenzene	20.7		"	20.0		104	73-127				
1,4-Dichlorobenzene	20.7		"	20.0		103	63-137				
2-Chloroethylvinyl ether	0.00		"	20.0			20-224				Low Bias
Acrolein	30.7		"	20.0		153	70-130				High Bias
Acrylonitrile	23.1		"	20.0		116	70-130				
Benzene	22.4		"	20.0		112	64-136				
Bromochloromethane	21.6		"	20.0		108	77-128				
Bromodichloromethane	20.9		"	20.0		105	65-135				
Bromoform	22.0		"	20.0		110	71-129				
Bromomethane	19.0		"	20.0		95.0	14-186				
Carbon tetrachloride	24.4		"	20.0		122	73-127				
Chlorobenzene	21.6		"	20.0		108	66-134				
Chloroethane	20.9		"	20.0		104	38-162				
Chloroform	21.8		"	20.0		109	67-133				
Chloromethane	17.2		"	20.0		86.2	0.5-204				
cis-1,2-Dichloroethylene	22.2		"	20.0		111	70-130				
cis-1,3-Dichloropropylene	20.6		"	20.0		103	24-176				
Dibromochloromethane	21.6		"	20.0		108	67-133				
Ethyl Benzene	21.0		"	20.0		105	59-141				
Methyl tert-butyl ether (MTBE)	21.9		"	20.0		110	70-130				
Methylene chloride	21.9		"	20.0		110	60-140				
Naphthalene	20.2		"	20.0		101	70-130				
o-Xylene	21.0		"	20.0		105	70-130				
p- & m- Xylenes	41.3		"	40.0		103	70-130				
Tetrachloroethylene	12.6		"	20.0		63.1	73-127				Low Bias
Toluene	20.6		"	20.0		103	74-126				
trans-1,2-Dichloroethylene	22.9		"	20.0		115	69-131				
trans-1,3-Dichloropropylene	20.8		"	20.0		104	50-150				
Trichloroethylene	20.4		"	20.0		102	66-134				
Trichlorofluoromethane	23.2		"	20.0		116	48-152				
Vinyl Chloride	20.7		"	20.0		103	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.77		"	10.0		97.7	78-126				
Surrogate: SURR: Toluene-d8	9.60		"	10.0		96.0	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.98		"	10.0		99.8	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

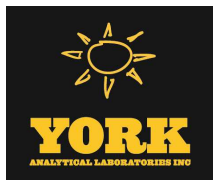
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31460 - EPA 5030B

LCS Dup (BE31460-BSD1)

Prepared & Analyzed: 05/22/2023

1,1,1-Trichloroethane	23.2		ug/L	20.0		116	75-125		1.41	30	
1,1,2,2-Tetrachloroethane	23.4		"	20.0		117	60-140		7.05	30	
1,1,2-Trichloroethane	22.6		"	20.0		113	71-129		7.37	30	
1,1-Dichloroethane	21.2		"	20.0		106	72-128		1.87	30	
1,1-Dichloroethylene	23.4		"	20.0		117	50-150		2.54	30	
1,2-Dichlorobenzene	20.6		"	20.0		103	63-137		0.0485	30	
1,2-Dichloroethane	24.2		"	20.0		121	68-132		7.55	30	
1,2-Dichloropropane	20.5		"	20.0		103	34-166		0.873	30	
1,3-Dichlorobenzene	20.2		"	20.0		101	73-127		2.49	30	
1,4-Dichlorobenzene	20.0		"	20.0		99.8	63-137		3.40	30	
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias		30	
Acrolein	35.4		"	20.0		177	70-130	High Bias	14.4	30	
Acrylonitrile	25.1		"	20.0		125	70-130		8.05	30	
Benzene	21.9		"	20.0		110	64-136		2.08	30	
Bromochloromethane	23.2		"	20.0		116	77-128		7.33	30	
Bromodichloromethane	21.2		"	20.0		106	65-135		1.14	30	
Bromoform	25.1		"	20.0		126	71-129		13.3	30	
Bromomethane	19.7		"	20.0		98.4	14-186		3.57	30	
Carbon tetrachloride	23.6		"	20.0		118	73-127		3.17	30	
Chlorobenzene	21.4		"	20.0		107	66-134		1.07	30	
Chloroethane	20.0		"	20.0		100	38-162		4.16	30	
Chloroform	21.8		"	20.0		109	67-133		0.275	30	
Chloromethane	16.7		"	20.0		83.4	0.5-204		3.18	30	
cis-1,2-Dichloroethylene	22.3		"	20.0		112	70-130		0.629	30	
cis-1,3-Dichloropropylene	21.2		"	20.0		106	24-176		2.97	30	
Dibromochloromethane	23.0		"	20.0		115	67-133		6.59	30	
Ethyl Benzene	20.3		"	20.0		101	59-141		3.59	30	
Methyl tert-butyl ether (MTBE)	25.1		"	20.0		125	70-130		13.4	30	
Methylene chloride	22.0		"	20.0		110	60-140		0.228	30	
Naphthalene	23.1		"	20.0		116	70-130		13.5	30	
o-Xylene	20.6		"	20.0		103	70-130		2.26	30	
p- & m- Xylenes	40.0		"	40.0		100	70-130		3.17	30	
Tetrachloroethylene	12.3		"	20.0		61.4	73-127	Low Bias	2.73	30	
Toluene	19.9		"	20.0		99.6	74-126		3.21	30	
trans-1,2-Dichloroethylene	22.2		"	20.0		111	69-131		3.28	30	
trans-1,3-Dichloropropylene	22.4		"	20.0		112	50-150		6.99	30	
Trichloroethylene	19.7		"	20.0		98.4	66-134		3.84	30	
Trichlorofluoromethane	22.6		"	20.0		113	48-152		2.27	30	
Vinyl Chloride	19.8		"	20.0		99.2	4-196		4.14	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	78-126				
Surrogate: SURR: Toluene-d8	9.48		"	10.0		94.8	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.71		"	10.0		97.1	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 BE31605 - EPA 200.7

Blank (BE31605-BLK1)

Prepared: 05/24/2023 Analyzed: 05/25/2023

Hardness, Total ND 1.11 mg/L

Duplicate (BE31605-DUP1)

*Source sample: 23E1079-01 (Duplicate)

Prepared: 05/24/2023 Analyzed: 05/25/2023

Hardness, Total ND 1.11 mg/L ND 20

Batch BE31698 - EPA 3015A

Blank (BE31698-BLK1)

Prepared & Analyzed: 05/25/2023

Aluminum ND 0.0556 mg/L
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 (BE31698-BS1)

Prepared & Analyzed: 05/25/2023

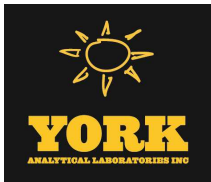
Aluminum 1.89 ug/mL 2.00 94.6 80-120
Calcium 1.01 " 1.00 101 80-120
Chromium 0.198 " 0.200 98.9 80-120
Iron 0.986 " 1.00 98.6 80-120
Magnesium 0.971 " 1.00 97.1 80-120
Potassium 0.845 " 1.00 84.5 80-120
Sodium 0.956 " 1.00 95.6 80-120

Duplicate (BE31698-DUP1)

*Source sample: 23E1339-01 (Duplicate)

Prepared & Analyzed: 05/25/2023

Aluminum ND 0.0556 mg/L ND 20
Calcium 128 0.0556 " 123 3.91 20
Chromium ND 0.00556 " ND 20
Iron ND 0.278 " ND 20
Magnesium 29.1 0.0556 " 27.8 4.75 20
Potassium 2.16 0.0556 " 2.01 7.56 20
Sodium 161 0.556 " 154 4.25 20

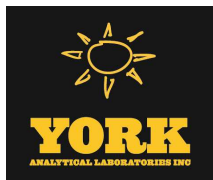


Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

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

Batch BE31698 - EPA 3015A

Matrix Spike (BE31698-MS1)		*Source sample: 23E1339-01 (Matrix Spike)					Prepared & Analyzed: 05/25/2023				
Aluminum	2.24	0.0556	mg/L	2.22	ND	101	75-125				
Chromium	0.247	0.00556	"	0.222	ND	111	75-125				
Iron	1.35	0.278	"	1.11	ND	121	75-125				
Post Spike (BE31698-PS1)		*Source sample: 23E1339-01 (Post Spike)					Prepared & Analyzed: 05/25/2023				
Aluminum	1.90		ug/mL	2.00	0.0101	94.7	75-125				
Calcium	110		"	1.00	111	NR	75-125	Low Bias			
Chromium	0.201		"	0.200	0.00285	99.1	75-125				
Iron	1.11		"	1.00	0.110	99.5	75-125				
Magnesium	26.2		"	1.00	25.0	121	75-125				
Potassium	2.68		"	1.00	1.81	87.4	75-125				
Sodium	138		"	1.00	139	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 BE31609 - EPA 3015A

Blank (BE31609-BLK1)

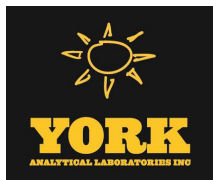
Prepared & Analyzed: 05/24/2023

Arsenic	ND	1.11	ug/L
Cadmium	ND	0.556	"
Lead	ND	1.11	"

LCS (BE31609-BS1)

Prepared & Analyzed: 05/24/2023

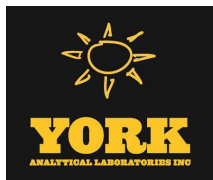
Arsenic	53.0	ug/L	50.0	106	80-120
Cadmium	60.0	"	50.0	120	80-120
Lead	53.0	"	50.0	106	80-120



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 BE31242 - EPA 245.1 Mercury											
Blank (BE31242-BLK1)											
								Prepared & Analyzed: 05/18/2023			
Mercury	ND	0.0002000	mg/L								
Blank (BE31242-BLK2)											
								Prepared & Analyzed: 05/18/2023			
Mercury	ND	0.0002000	mg/L								
LCS (BE31242-BS1)											
								Prepared & Analyzed: 05/18/2023			
Mercury	0.001982	0.0002000	mg/L	0.00200		99.1	75-125				
LCS (BE31242-BS2)											
								Prepared & Analyzed: 05/18/2023			
Mercury	0.001941	0.0002000	mg/L	0.00200		97.1	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 BE31247 - EPA 300

Blank (BE31247-BLK1)

Prepared & Analyzed: 05/17/2023

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

LCS (BE31247-BS1)

Prepared & Analyzed: 05/17/2023

Chloride	10.0	0.500	mg/L	10.0	100	90-110
Nitrate as N	9.90	0.0500	"	10.0	99.0	90-110
Sulfate	10.1	1.00	"	10.0	101	85-115

Duplicate (BE31247-DUP1)

*Source sample: 23E1026-01 (Duplicate)

Prepared & Analyzed: 05/17/2023

Chloride	ND	0.500	mg/L	ND	15
Nitrate as N	ND	0.0500	"	ND	15
Sulfate	ND	1.00	"	ND	15

Duplicate (BE31247-DUP2)

*Source sample: 23E1026-02 (Duplicate)

Prepared & Analyzed: 05/17/2023

Chloride	ND	0.500	mg/L	ND	15	
Nitrate as N	0.442	0.0500	"	0.438	0.954	15
Sulfate	ND	1.00	"	ND		15

Matrix Spike (BE31247-MS1)

*Source sample: 23E1026-01 (Matrix Spike)

Prepared & Analyzed: 05/17/2023

Chloride	ND	0.500	mg/L	10.0	ND		85-115	Low Bias
Nitrate as N	3.45	0.0500	"	10.0	ND	34.5	90-110	Low Bias
Sulfate	ND	1.00	"	10.0	ND		85-115	Low Bias

Matrix Spike (BE31247-MS2)

*Source sample: 23E1026-02 (Matrix Spike)

Prepared & Analyzed: 05/17/2023

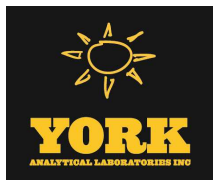
Chloride	ND	0.500	mg/L	10.0	ND		85-115	Low Bias
Nitrate as N	4.25	0.0500	"	10.0	0.438	38.1	90-110	Low Bias
Sulfate	ND	1.00	"	10.0	ND		85-115	Low Bias



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 BE31385 - EPA 300											
Blank (BE31385-BLK1)											
										Prepared & Analyzed: 05/19/2023	
Chloride	ND	0.500	mg/L								
Sulfate	ND	1.00	"								
LCS (BE31385-BS1)											
										Prepared & Analyzed: 05/19/2023	
Chloride	10.2	0.500	mg/L	10.0		102	90-110				
Sulfate	10.2	1.00	"	10.0		102	85-115				
Duplicate (BE31385-DUP1)											
*Source sample: 23E1138-01 (Duplicate)										Prepared & Analyzed: 05/19/2023	
Chloride	ND	0.500	mg/L		554					15	
Sulfate	31.3	1.00	"							15	
Duplicate (BE31385-DUP2)											
*Source sample: 23E1132-01 (Duplicate)										Prepared & Analyzed: 05/19/2023	
Chloride	35.0	0.500	mg/L		35.1				0.123	15	
Sulfate	20.8	1.00	"		20.1				3.31	15	
Matrix Spike (BE31385-MS1)											
*Source sample: 23E1138-01 (Matrix Spike)										Prepared & Analyzed: 05/19/2023	
Chloride	ND	0.500	mg/L	10.0	554	NR	85-115	Low Bias			
Sulfate	36.4	1.00	"	10.0		364	85-115	High Bias			
Matrix Spike (BE31385-MS2)											
*Source sample: 23E1132-01 (Matrix Spike)										Prepared & Analyzed: 05/19/2023	
Chloride	41.6	0.500	mg/L	10.0	35.1	65.1	85-115	Low Bias			
Sulfate	29.4	1.00	"	10.0	20.1	92.8	85-115				



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 BE31231 - Analysis Preparation

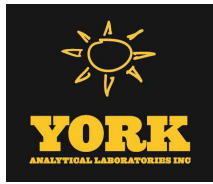
Duplicate (BE31231-DUP1)	*Source sample: 23E1005-04 (CW-4S)						Prepared & Analyzed: 05/18/2023				
Alkalinity, total	28	2.0	mg/L		28				0.00	15	
Reference (BE31231-SRM1)							Prepared & Analyzed: 05/18/2023				
Alkalinity, total	64		mg/L	60.8		105	90-110				

Batch BE31232 - Analysis Preparation

Blank (BE31232-BLK1)							Prepared & Analyzed: 05/18/2023				
Bicarbonate	ND	2.00	mg/L								
Duplicate (BE31232-DUP1)	*Source sample: 23E1005-04 (CW-4S)						Prepared & Analyzed: 05/18/2023				
Bicarbonate	28.0	2.00	mg/L		28.0				0.00	15	

Batch BE31313 - Analysis Preparation

Blank (BE31313-BLK1)							Prepared & Analyzed: 05/18/2023				
Ammonia Nitrogen as NH3	ND	0.0500	mg/L								
LCS (BE31313-BS1)							Prepared & Analyzed: 05/18/2023				
Ammonia Nitrogen as NH3	1.04	0.0500	mg/L				85-125				
Duplicate (BE31313-DUP1)	*Source sample: 23E1107-04 (Duplicate)						Prepared & Analyzed: 05/18/2023				
Ammonia Nitrogen as NH3	ND	0.0500	mg/L		ND					15	
Matrix Spike (BE31313-MS1)	*Source sample: 23E1107-04 (Matrix Spike)						Prepared & Analyzed: 05/18/2023				
Ammonia Nitrogen as NH3	10.2	0.0500	mg/L		ND		80-120				

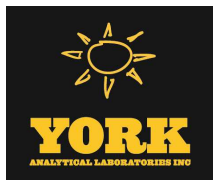


Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

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

Batch BE31313 - Analysis Preparation

Matrix Spike Dup (BE31313-MSD1)	*Source sample: 23E1107-04 (Matrix Spike Dup)						Prepared & Analyzed: 05/18/2023				
Ammonia Nitrogen as NH3	10.2	0.0500	mg/L		ND		80-120		0.357	200	



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 BE31315 - % Solids Prep

Blank (BE31315-BLK1)

Prepared & Analyzed: 05/18/2023

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BE31315-DUP1)

*Source sample: 23E0906-05 (Duplicate)

Prepared & Analyzed: 05/18/2023

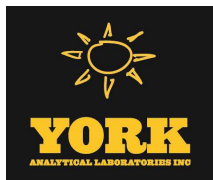
Total Dissolved Solids 270 10.0 mg/L 272 0.738 15

Duplicate (BE31315-DUP2)

*Source sample: 23E1107-01 (Duplicate)

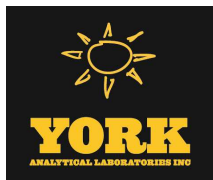
Prepared & Analyzed: 05/18/2023

Total Dissolved Solids 53.0 10.0 mg/L 51.0 3.85 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23E1005-01	CW-1M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1005-02	CW-1S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1005-03	CW-4M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1005-04	CW-4S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1005-05	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater than the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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) exceeded 110% of the expected value. Positive detections may be biased high.

Definitions and Other Explanations

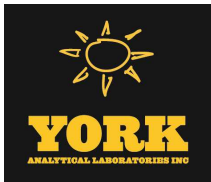
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration 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.

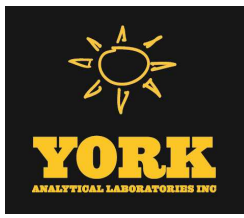
Certification for pH is no longer offered by NYDOH ELAP.



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.

Revision Description: This report has been revised to update the VOA compound list.



Technical Report

prepared for:

D&B Engineers and Architects, P.C.

330 Crossways Park Drive

Woodbury NY, 11797

Attention: Keith Robins

Report Date: 06/08/2023

Client Project ID: 5629 East Northport Groundwater Sampling

York Project (SDG) No.: 23E1107

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/08/2023
Client Project ID: 5629 East Northport Groundwater Sampling
York Project (SDG) No.: 23E1107

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

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 18, 2023 and listed below. The project was identified as your project: **5629 East Northport Groundwater Sampling**.

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>
23E1107-01	EN-6M	Ground Water	05/17/2023	05/18/2023
23E1107-02	EN-6S	Ground Water	05/17/2023	05/18/2023
23E1107-03	EN-9M	Ground Water	05/17/2023	05/18/2023
23E1107-04	CW-2M	Ground Water	05/17/2023	05/18/2023
23E1107-05	Trip Blank	Water	05/17/2023	05/18/2023

General Notes for York Project (SDG) No.: 23E1107

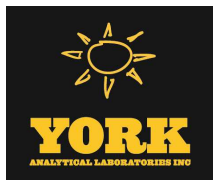
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 06/08/2023

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: EN-6M

York Sample ID: 23E1107-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 8:45 am

05/18/2023

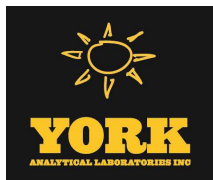
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 16:45	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA



Sample Information

Client Sample ID: EN-6M

York Sample ID: 23E1107-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 8:45 am

05/18/2023

VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 16:45	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 16:45	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	93.5 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.9 %	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	0.0781		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:20	CG

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	9.92		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:20	CG

Chromium by EPA 6010

Log-in Notes:

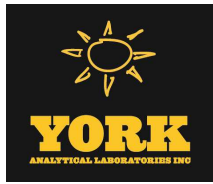
Sample Notes:

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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: EN-6M

York Sample ID: 23E1107-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 8:45 am

05/18/2023

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	0.00947		mg/L	0.00556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:20	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

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	05/24/2023 08:21	05/25/2023 17:34	CG
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP		

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	1.63		mg/L	0.278	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:20	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	2.51		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:20	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	5.12		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:20	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	11.4		mg/L	0.556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:20	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

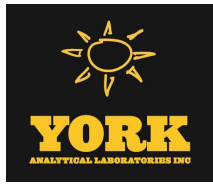
Sample Prepared by Method: EPA 3015A

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	05/26/2023 10:38	05/26/2023 16:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: EN-6M

York Sample ID: 23E1107-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 8:45 am

05/18/2023

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	0.595		ug/L	0.556	1	EPA 6020B	05/26/2023 10:38	05/26/2023 16:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/26/2023 10:38	05/26/2023 16:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/24/2023 08:11	05/24/2023 08:11	PA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	10.1		mg/L	0.0690	0.500	1	EPA 300.0	05/18/2023 22:05	05/18/2023 22:05	NJO
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	0.730		mg/L	0.0500	1	EPA 300.0	05/18/2023 22:05	05/18/2023 22:05	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	2.17		mg/L	1.00	1	EPA 300.0	05/18/2023 22:05	05/18/2023 22:05	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

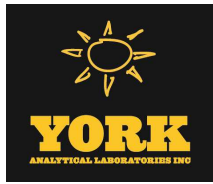
Alkalinity, Total

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	23		mg/L	2.0	1	SM 2320B	05/25/2023 08:42	05/25/2023 14:03	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		



Sample Information

Client Sample ID: EN-6M

York Sample ID: 23E1107-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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Ground Water

May 17, 2023 8:45 am

05/18/2023

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:	05/18/2023 17:11	05/18/2023 19:48	NJO

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	23.0		mg/L	2.00	1	SM 2310B Certifications:	05/25/2023 08:48	05/25/2023 14:04	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	51.0		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 17:21	05/18/2023 17:21	AA

Sample Information

Client Sample ID: EN-6S

York Sample ID: 23E1107-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 10:10 am

05/18/2023

VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 17:11	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA



Sample Information

Client Sample ID: EN-6S

York Sample ID: 23E1107-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 10:10 am

05/18/2023

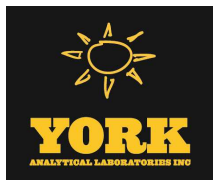
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 17:11	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
67-66-3	Chloroform	0.55		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA



Sample Information

Client Sample ID: EN-6S

York Sample ID: 23E1107-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 10:10 am

05/18/2023

VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 17:11	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:11	SMA
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.2 %					78-126			
2037-26-5	Surrogate: SURR: Toluene-d8	94.0 %					84-117			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.6 %					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	1.04		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:23	CG

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	15.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:23	CG

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:23	CG

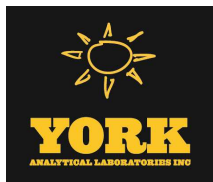
Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/24/2023 08:21	05/25/2023 17:37	CG



Sample Information

Client Sample ID: EN-6S

York Sample ID: 23E1107-02

York Project (SDG) No.

23E1107

Client Project ID

5629 East Northport Groundwater Sampling

Matrix

Ground Water

Collection Date/Time

May 17, 2023 10:10 am

Date Received

05/18/2023

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	3.99		mg/L	0.278	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:23	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	6.93		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:23	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	2.85		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:23	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	45.7		mg/L	0.556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:23	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	1.34		ug/L	1.11	1	EPA 6020B	05/26/2023 10:38	05/26/2023 16:48	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/26/2023 10:38	05/26/2023 16:48	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

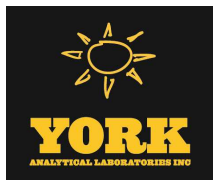
Lead by EPA 6020

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	1.74		ug/L	1.11	1	EPA 6020B	05/26/2023 10:38	05/26/2023 16:48	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: EN-6S

York Sample ID: 23E1107-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 10:10 am

05/18/2023

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,PADEP	05/24/2023 08:11	05/24/2023 08:11	PA

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	70.8		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/19/2023 12:50	05/19/2023 12:50	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	6.44		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 22:33	05/18/2023 22:33	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	26.8		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/18/2023 22:33	05/18/2023 22:33	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	24		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/25/2023 08:42	05/25/2023 14:03	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:	05/18/2023 17:11	05/18/2023 19:48	NJO

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 Certifications:	05/25/2023 08:48	05/25/2023 14:04	VR



Sample Information

Client Sample ID: EN-6S

York Sample ID: 23E1107-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 10:10 am

05/18/2023

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	333		mg/L	10.0	1	SM 2540C-2015	05/22/2023 19:09	05/22/2023 19:09	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: EN-9M

York Sample ID: 23E1107-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 11:50 am

05/18/2023

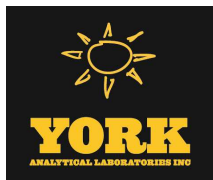
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1	05/22/2023 09:00	05/22/2023 17:38	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP		



Sample Information

Client Sample ID: EN-9M

York Sample ID: 23E1107-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 11:50 am

05/18/2023

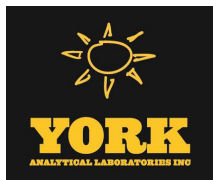
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 17:38	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 17:38	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	93.7 %	84-117							



Sample Information

Client Sample ID: EN-9M

York Sample ID: 23E1107-03

York Project (SDG) No.

23E1107

Client Project ID

5629 East Northport Groundwater Sampling

Matrix

Ground Water

Collection Date/Time

May 17, 2023 11:50 am

Date Received

05/18/2023

VOA, 624 LOW MASTER

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
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.2 %			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	0.118		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:26	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	34.2		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:26	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	0.0112		mg/L	0.00556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:26	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

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	05/25/2023 08:21	05/25/2023 17:40	CG
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP		

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	05/25/2023 08:50	05/25/2023 16:26	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	16.7		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:26	CG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Potassium by EPA 6010

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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(203) 325-1371

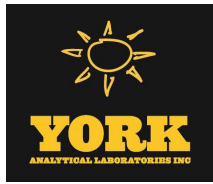
132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

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Sample Information

Client Sample ID: EN-9M

York Sample ID: 23E1107-03

York Project (SDG) No.

23E1107

Client Project ID

5629 East Northport Groundwater Sampling

Matrix

Ground Water

Collection Date/Time

May 17, 2023 11:50 am

Date Received

05/18/2023

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	3.16		mg/L	0.0556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:26	CG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	101		mg/L	0.556	1	EPA 6010D	05/25/2023 08:50	05/25/2023 16:26	CG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	05/26/2023 10:38	05/26/2023 16:51	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	1.05		ug/L	0.556	1	EPA 6020B	05/26/2023 10:38	05/26/2023 16:51	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	05/26/2023 10:38	05/26/2023 16:51	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	05/24/2023 08:11	05/24/2023 08:11	PA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

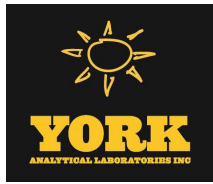
Chloride

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	226		mg/L	0.690	5.00	10	EPA 300.0	05/19/2023 13:00	05/19/2023 13:00	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP											



Sample Information

Client Sample ID: EN-9M

York Sample ID: 23E1107-03

York Project (SDG) No.

23E1107

Client Project ID

5629 East Northport Groundwater Sampling

Matrix

Ground Water

Collection Date/Time

May 17, 2023 11:50 am

Date Received

05/18/2023

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	0.736		mg/L	0.0500	1	EPA 300.0	05/18/2023 23:01	05/18/2023 23:01	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	18.2		mg/L	1.00	1	EPA 300.0	05/18/2023 23:01	05/18/2023 23:01	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	39		mg/L	2.0	1	SM 2320B	05/25/2023 08:42	05/25/2023 14:03	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	05/18/2023 17:11	05/18/2023 19:48	NJO
							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	39.0		mg/L	2.00	1	SM 2310B	05/25/2023 08:48	05/25/2023 14:04	VR
							Certifications:			

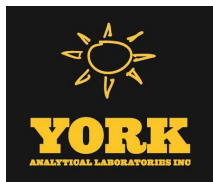
Total Dissolved Solids

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	501		mg/L	10.0	1	SM 2540C-2015	05/22/2023 19:09	05/22/2023 19:09	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		



Sample Information

Client Sample ID: CW-2M

York Sample ID: 23E1107-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 1:05 pm

05/18/2023

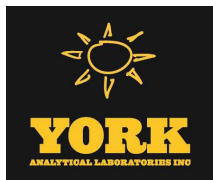
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 18:04	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA



Sample Information

Client Sample ID: CW-2M

York Sample ID: 23E1107-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 1:05 pm

05/18/2023

VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 18:04	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 18:04	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.6 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	92.9 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.0 %	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	0.170		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:29	CG

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	14.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:29	CG

Chromium by EPA 6010

Log-in Notes:

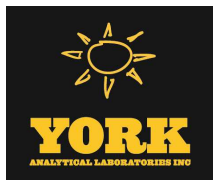
Sample Notes:

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@



Sample Information

Client Sample ID: CW-2M

York Sample ID: 23E1107-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 1:05 pm

05/18/2023

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,PADEP	05/25/2023 08:50	05/25/2023 16:29	CG

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	49.3		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/25/2023 08:37	05/26/2023 11:23	CEG

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	0.363		mg/L	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:29	CG

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	3.37		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:29	CG

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	4.69		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:29	CG

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	19.6		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/25/2023 08:50	05/25/2023 16:29	CG

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

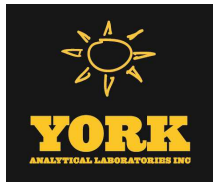
Sample Prepared by Method: EPA 3015A

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,PADEP	05/26/2023 10:38	05/26/2023 16:54	cw

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: CW-2M

York Sample ID: 23E1107-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 1:05 pm

05/18/2023

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	3.16		ug/L	0.556	1	EPA 6020B	05/26/2023 10:38	05/26/2023 16:54	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	2.74		ug/L	1.11	1	EPA 6020B	05/26/2023 10:38	05/26/2023 16:54	cw
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	05/24/2023 08:11	05/24/2023 08:11	PA
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	32.7		mg/L	0.0690	0.500	1	EPA 300.0	05/18/2023 23:11	05/18/2023 23:11	NJO
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP											

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	2.48		mg/L	0.0500	1	EPA 300.0	05/18/2023 23:11	05/18/2023 23:11	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

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	16.2		mg/L	1.00	1	EPA 300.0	05/18/2023 23:11	05/18/2023 23:11	NJO
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										

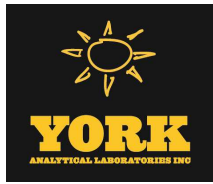
Alkalinity, Total

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	27		mg/L	2.0	1	SM 2320B	05/25/2023 08:42	05/25/2023 14:03	VR
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP										



Sample Information

Client Sample ID: CW-2M

York Sample ID: 23E1107-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Ground Water

May 17, 2023 1:05 pm

05/18/2023

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:	05/18/2023 17:11	05/18/2023 19:48	NJO

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	27.0		mg/L	2.00	1	SM 2310B Certifications:	05/25/2023 08:48	05/25/2023 14:04	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	141		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/22/2023 19:09	05/22/2023 19:09	AA

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E1107-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Water

May 17, 2023 3:00 pm

05/18/2023

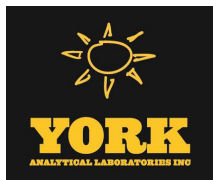
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 12:46	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E1107-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Water

May 17, 2023 3:00 pm

05/18/2023

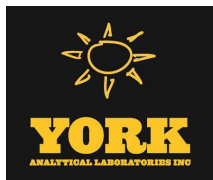
VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 12:46	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E1107-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1107

5629 East Northport Groundwater Sampling

Water

May 17, 2023 3:00 pm

05/18/2023

VOA, 624 LOW MASTER

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	05/22/2023 09:00	05/22/2023 12:46	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/22/2023 09:00	05/22/2023 12:46	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	92.8 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.8 %	71-130							



Analytical Batch Summary

Batch ID: BE31313 **Preparation Method:** Analysis Preparation **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/18/23
23E1107-02	EN-6S	05/18/23
23E1107-03	EN-9M	05/18/23
23E1107-04	CW-2M	05/18/23
BE31313-BLK1	Blank	05/18/23
BE31313-BS1	LCS	05/18/23
BE31313-DUP1	Duplicate	05/18/23
BE31313-MS1	Matrix Spike	05/18/23
BE31313-MSD1	Matrix Spike Dup	05/18/23

Batch ID: BE31315 **Preparation Method:** % Solids Prep **Prepared By:** AA

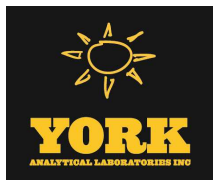
YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/18/23
BE31315-BLK1	Blank	05/18/23
BE31315-DUP1	Duplicate	05/18/23
BE31315-DUP2	Duplicate	05/18/23

Batch ID: BE31373 **Preparation Method:** EPA 300 **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/18/23
23E1107-02	EN-6S	05/18/23
23E1107-03	EN-9M	05/18/23
23E1107-04	CW-2M	05/18/23
BE31373-BLK1	Blank	05/18/23
BE31373-BS1	LCS	05/18/23
BE31373-DUP1	Duplicate	05/18/23
BE31373-DUP2	Duplicate	05/18/23
BE31373-MS1	Matrix Spike	05/18/23
BE31373-MS2	Matrix Spike	05/18/23

Batch ID: BE31385 **Preparation Method:** EPA 300 **Prepared By:** NJO

YORK Sample ID	Client Sample ID	Preparation Date
23E1107-02	EN-6S	05/19/23
23E1107-03	EN-9M	05/19/23
BE31385-BLK1	Blank	05/19/23
BE31385-BS1	LCS	05/19/23
BE31385-DUP1	Duplicate	05/19/23
BE31385-DUP2	Duplicate	05/19/23
BE31385-MS1	Matrix Spike	05/19/23
BE31385-MS2	Matrix Spike	05/19/23



Batch ID: BE31460

Preparation Method: EPA 5030B

Prepared By: SMA

YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/22/23
23E1107-02	EN-6S	05/22/23
23E1107-03	EN-9M	05/22/23
23E1107-04	CW-2M	05/22/23
23E1107-05	Trip Blank	05/22/23
BE31460-BLK1	Blank	05/22/23
BE31460-BS1	LCS	05/22/23
BE31460-BSD1	LCS Dup	05/22/23

Batch ID: BE31508

Preparation Method: % Solids Prep

Prepared By: AA

YORK Sample ID	Client Sample ID	Preparation Date
23E1107-02	EN-6S	05/22/23
23E1107-03	EN-9M	05/22/23
23E1107-04	CW-2M	05/22/23
BE31508-BLK1	Blank	05/22/23
BE31508-DUP1	Duplicate	05/22/23
BE31508-DUP2	Duplicate	05/22/23

Batch ID: BE31599

Preparation Method: EPA 245.1 Mercury

Prepared By: PFA

YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/24/23
23E1107-02	EN-6S	05/24/23
23E1107-03	EN-9M	05/24/23
23E1107-04	CW-2M	05/24/23
BE31599-BLK1	Blank	05/24/23
BE31599-BLK2	Blank	05/24/23
BE31599-BS1	LCS	05/24/23
BE31599-BS2	LCS	05/24/23

Batch ID: BE31605

Preparation Method: EPA 200.7

Prepared By: MCS

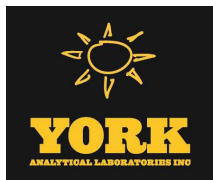
YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/24/23
23E1107-02	EN-6S	05/24/23
23E1107-03	EN-9M	05/24/23
BE31605-BLK1	Blank	05/24/23
BE31605-DUP1	Duplicate	05/24/23

Batch ID: BE31695

Preparation Method: EPA 200.7

Prepared By: MCS

YORK Sample ID	Client Sample ID	Preparation Date
23E1107-04	CW-2M	05/25/23



BE31695-BLK1	Blank	05/25/23
BE31695-DUP1	Duplicate	05/25/23

Batch ID: BE31696 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/25/23
23E1107-02	EN-6S	05/25/23
23E1107-03	EN-9M	05/25/23
23E1107-04	CW-2M	05/25/23
BE31696-DUP1	Duplicate	05/25/23
BE31696-SRM1	Reference	05/25/23

Batch ID: BE31697 **Preparation Method:** Analysis Preparation **Prepared By:** VR

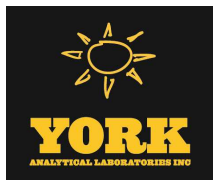
YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/25/23
23E1107-02	EN-6S	05/25/23
23E1107-03	EN-9M	05/25/23
23E1107-04	CW-2M	05/25/23
BE31697-BLK1	Blank	05/25/23
BE31697-DUP1	Duplicate	05/25/23

Batch ID: BE31698 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/25/23
23E1107-02	EN-6S	05/25/23
23E1107-03	EN-9M	05/25/23
23E1107-04	CW-2M	05/25/23
BE31698-BLK1	Blank	05/25/23
BE31698-BS1	LCS	05/25/23
BE31698-DUP1	Duplicate	05/25/23
BE31698-MS1	Matrix Spike	05/25/23
BE31698-PS1	Post Spike	05/25/23

Batch ID: BE31801 **Preparation Method:** EPA 3015A **Prepared By:** MCS

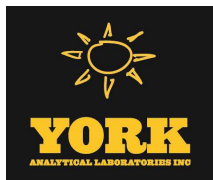
YORK Sample ID	Client Sample ID	Preparation Date
23E1107-01	EN-6M	05/26/23
23E1107-02	EN-6S	05/26/23
23E1107-03	EN-9M	05/26/23
23E1107-04	CW-2M	05/26/23
BE31801-BLK1	Blank	05/26/23
BE31801-BS1	LCS	05/26/23
BE31801-DUP1	Duplicate	05/26/23
BE31801-MS1	Matrix Spike	05/26/23



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 BE31460 - EPA 5030B											
Blank (BE31460-BLK1)						Prepared & Analyzed: 05/22/2023					
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	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	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	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	0.50	"								
Naphthalene	ND	2.0	"								
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	9.98		"	10.0		99.8	78-126				
Surrogate: SURR: Toluene-d8	9.49		"	10.0		94.9	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.95		"	10.0		99.5	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

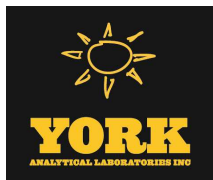
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31460 - EPA 5030B

LCS (BE31460-BS1)

Prepared & Analyzed: 05/22/2023

1,1,1-Trichloroethane	23.5		ug/L	20.0		118	75-125				
1,1,2,2-Tetrachloroethane	21.8		"	20.0		109	60-140				
1,1,2-Trichloroethane	21.0		"	20.0		105	71-129				
1,1-Dichloroethane	21.6		"	20.0		108	72-128				
1,1-Dichloroethylene	24.0		"	20.0		120	50-150				
1,2-Dichlorobenzene	20.6		"	20.0		103	63-137				
1,2-Dichloroethane	22.4		"	20.0		112	68-132				
1,2-Dichloropropane	20.7		"	20.0		104	34-166				
1,3-Dichlorobenzene	20.7		"	20.0		104	73-127				
1,4-Dichlorobenzene	20.7		"	20.0		103	63-137				
2-Chloroethylvinyl ether	0.00		"	20.0			20-224				Low Bias
Acrolein	30.7		"	20.0		153	70-130				High Bias
Acrylonitrile	23.1		"	20.0		116	70-130				
Benzene	22.4		"	20.0		112	64-136				
Bromochloromethane	21.6		"	20.0		108	77-128				
Bromodichloromethane	20.9		"	20.0		105	65-135				
Bromoform	22.0		"	20.0		110	71-129				
Bromomethane	19.0		"	20.0		95.0	14-186				
Carbon tetrachloride	24.4		"	20.0		122	73-127				
Chlorobenzene	21.6		"	20.0		108	66-134				
Chloroethane	20.9		"	20.0		104	38-162				
Chloroform	21.8		"	20.0		109	67-133				
Chloromethane	17.2		"	20.0		86.2	0.5-204				
cis-1,2-Dichloroethylene	22.2		"	20.0		111	70-130				
cis-1,3-Dichloropropylene	20.6		"	20.0		103	24-176				
Dibromochloromethane	21.6		"	20.0		108	67-133				
Ethyl Benzene	21.0		"	20.0		105	59-141				
Methyl tert-butyl ether (MTBE)	21.9		"	20.0		110	70-130				
Methylene chloride	21.9		"	20.0		110	60-140				
Naphthalene	20.2		"	20.0		101	70-130				
o-Xylene	21.0		"	20.0		105	70-130				
p- & m- Xylenes	41.3		"	40.0		103	70-130				
Tetrachloroethylene	12.6		"	20.0		63.1	73-127				Low Bias
Toluene	20.6		"	20.0		103	74-126				
trans-1,2-Dichloroethylene	22.9		"	20.0		115	69-131				
trans-1,3-Dichloropropylene	20.8		"	20.0		104	50-150				
Trichloroethylene	20.4		"	20.0		102	66-134				
Trichlorofluoromethane	23.2		"	20.0		116	48-152				
Vinyl Chloride	20.7		"	20.0		103	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.77		"	10.0		97.7	78-126				
Surrogate: SURR: Toluene-d8	9.60		"	10.0		96.0	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.98		"	10.0		99.8	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

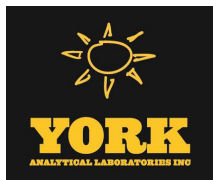
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31460 - EPA 5030B

LCS Dup (BE31460-BSD1)

Prepared & Analyzed: 05/22/2023

1,1,1-Trichloroethane	23.2		ug/L	20.0		116	75-125		1.41	30	
1,1,2,2-Tetrachloroethane	23.4		"	20.0		117	60-140		7.05	30	
1,1,2-Trichloroethane	22.6		"	20.0		113	71-129		7.37	30	
1,1-Dichloroethane	21.2		"	20.0		106	72-128		1.87	30	
1,1-Dichloroethylene	23.4		"	20.0		117	50-150		2.54	30	
1,2-Dichlorobenzene	20.6		"	20.0		103	63-137		0.0485	30	
1,2-Dichloroethane	24.2		"	20.0		121	68-132		7.55	30	
1,2-Dichloropropane	20.5		"	20.0		103	34-166		0.873	30	
1,3-Dichlorobenzene	20.2		"	20.0		101	73-127		2.49	30	
1,4-Dichlorobenzene	20.0		"	20.0		99.8	63-137		3.40	30	
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias		30	
Acrolein	35.4		"	20.0		177	70-130	High Bias	14.4	30	
Acrylonitrile	25.1		"	20.0		125	70-130		8.05	30	
Benzene	21.9		"	20.0		110	64-136		2.08	30	
Bromochloromethane	23.2		"	20.0		116	77-128		7.33	30	
Bromodichloromethane	21.2		"	20.0		106	65-135		1.14	30	
Bromoform	25.1		"	20.0		126	71-129		13.3	30	
Bromomethane	19.7		"	20.0		98.4	14-186		3.57	30	
Carbon tetrachloride	23.6		"	20.0		118	73-127		3.17	30	
Chlorobenzene	21.4		"	20.0		107	66-134		1.07	30	
Chloroethane	20.0		"	20.0		100	38-162		4.16	30	
Chloroform	21.8		"	20.0		109	67-133		0.275	30	
Chloromethane	16.7		"	20.0		83.4	0.5-204		3.18	30	
cis-1,2-Dichloroethylene	22.3		"	20.0		112	70-130		0.629	30	
cis-1,3-Dichloropropylene	21.2		"	20.0		106	24-176		2.97	30	
Dibromochloromethane	23.0		"	20.0		115	67-133		6.59	30	
Ethyl Benzene	20.3		"	20.0		101	59-141		3.59	30	
Methyl tert-butyl ether (MTBE)	25.1		"	20.0		125	70-130		13.4	30	
Methylene chloride	22.0		"	20.0		110	60-140		0.228	30	
Naphthalene	23.1		"	20.0		116	70-130		13.5	30	
o-Xylene	20.6		"	20.0		103	70-130		2.26	30	
p- & m- Xylenes	40.0		"	40.0		100	70-130		3.17	30	
Tetrachloroethylene	12.3		"	20.0		61.4	73-127	Low Bias	2.73	30	
Toluene	19.9		"	20.0		99.6	74-126		3.21	30	
trans-1,2-Dichloroethylene	22.2		"	20.0		111	69-131		3.28	30	
trans-1,3-Dichloropropylene	22.4		"	20.0		112	50-150		6.99	30	
Trichloroethylene	19.7		"	20.0		98.4	66-134		3.84	30	
Trichlorofluoromethane	22.6		"	20.0		113	48-152		2.27	30	
Vinyl Chloride	19.8		"	20.0		99.2	4-196		4.14	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	78-126				
Surrogate: SURR: Toluene-d8	9.48		"	10.0		94.8	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.71		"	10.0		97.1	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 BE31605 - EPA 200.7

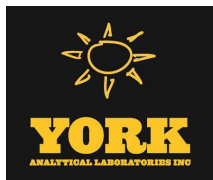
Blank (BE31605-BLK1)											Prepared: 05/24/2023 Analyzed: 05/25/2023
Hardness, Total	ND	1.11	mg/L								
Duplicate (BE31605-DUP1)											*Source sample: 23E1079-01 (Duplicate) Prepared: 05/24/2023 Analyzed: 05/25/2023
Hardness, Total	ND	1.11	mg/L		ND					20	

Batch BE31695 - EPA 200.7

Blank (BE31695-BLK1)											Prepared: 05/25/2023 Analyzed: 05/26/2023
Hardness, Total	ND	1.11	mg/L								
Duplicate (BE31695-DUP1)											*Source sample: 23E1385-03 (Duplicate) Prepared: 05/25/2023 Analyzed: 05/26/2023
Hardness, Total	ND	1.11	mg/L		ND					20	

Batch BE31698 - EPA 3015A

Blank (BE31698-BLK1)											Prepared & Analyzed: 05/25/2023
Aluminum	ND	0.0556	mg/L								
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 (BE31698-BS1)											Prepared & Analyzed: 05/25/2023
Aluminum	1.89		ug/mL	2.00		94.6	80-120				
Calcium	1.01		"	1.00		101	80-120				
Chromium	0.198		"	0.200		98.9	80-120				
Iron	0.986		"	1.00		98.6	80-120				
Magnesium	0.971		"	1.00		97.1	80-120				
Potassium	0.845		"	1.00		84.5	80-120				
Sodium	0.956		"	1.00		95.6	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 BE31698 - EPA 3015A

Duplicate (BE31698-DUP1)		*Source sample: 23E1339-01 (Duplicate)					Prepared & Analyzed: 05/25/2023				
Aluminum	ND	0.0556	mg/L		ND					20	
Calcium	128	0.0556	"		123				3.91	20	
Chromium	ND	0.00556	"		ND					20	
Iron	ND	0.278	"		ND					20	
Magnesium	29.1	0.0556	"		27.8				4.75	20	
Potassium	2.16	0.0556	"		2.01				7.56	20	
Sodium	161	0.556	"		154				4.25	20	

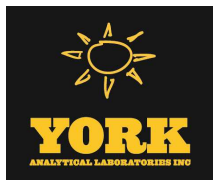
Matrix Spike (BE31698-MS1)		*Source sample: 23E1339-01 (Matrix Spike)					Prepared & Analyzed: 05/25/2023				
Aluminum	2.24	0.0556	mg/L	2.22	ND	101	75-125				
Chromium	0.247	0.00556	"	0.222	ND	111	75-125				
Iron	1.35	0.278	"	1.11	ND	121	75-125				

Post Spike (BE31698-PS1)		*Source sample: 23E1339-01 (Post Spike)					Prepared & Analyzed: 05/25/2023				
Aluminum	1.90		ug/mL	2.00	0.0101	94.7	75-125				
Calcium	110		"	1.00	111	NR	75-125	Low Bias			
Chromium	0.201		"	0.200	0.00285	99.1	75-125				
Iron	1.11		"	1.00	0.110	99.5	75-125				
Magnesium	26.2		"	1.00	25.0	121	75-125				
Potassium	2.68		"	1.00	1.81	87.4	75-125				
Sodium	138		"	1.00	139	NR	75-125	Low Bias			



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

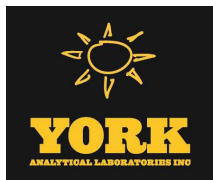
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31801 - EPA 3015A											
Blank (BE31801-BLK1)											
										Prepared & Analyzed: 05/26/2023	
Arsenic	ND	1.11	ug/L								
Cadmium	ND	0.556	"								
Lead	ND	1.11	"								
LCS (BE31801-BS1)											
										Prepared & Analyzed: 05/26/2023	
Arsenic	56.7		ug/L	50.0		113	80-120				
Cadmium	52.4		"	50.0		105	80-120				
Lead	52.9		"	50.0		106	80-120				
Duplicate (BE31801-DUP1)											
*Source sample: 23E1126-01 (Duplicate)										Prepared & Analyzed: 05/26/2023	
Arsenic	ND	1.11	ug/L		ND						20
Cadmium	ND	0.556	"		ND						20
Lead	ND	1.11	"		ND						20
Matrix Spike (BE31801-MS1)											
*Source sample: 23E1126-01 (Matrix Spike)										Prepared & Analyzed: 05/26/2023	
Arsenic	53.6		ug/L	50.0	0.197	107	75-125				
Cadmium	54.7		"	50.0	0.168	109	75-125				
Lead	48.9		"	50.0	0.251	97.2	75-125				



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

York Analytical Laboratories, Inc. - Stratford

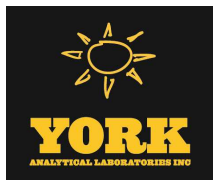
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31599 - EPA 245.1 Mercury											
Blank (BE31599-BLK1)											
								Prepared & Analyzed: 05/24/2023			
Mercury	ND	0.0002000	mg/L								
Blank (BE31599-BLK2)											
								Prepared & Analyzed: 05/24/2023			
Mercury	ND	0.0002000	mg/L								
LCS (BE31599-BS1)											
								Prepared & Analyzed: 05/24/2023			
Mercury	0.001942	0.0002000	mg/L	0.00200		97.1	75-125				
LCS (BE31599-BS2)											
								Prepared & Analyzed: 05/24/2023			
Mercury	0.001947	0.0002000	mg/L	0.00200		97.3	75-125				



Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

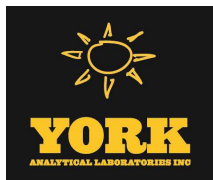
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31373 - EPA 300											
Blank (BE31373-BLK1)											
										Prepared & Analyzed: 05/18/2023	
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BE31373-BS1)											
										Prepared & Analyzed: 05/18/2023	
Chloride	10.4	0.500	mg/L	10.0		104	90-110				
Nitrate as N	10.1	0.0500	"	10.0		101	90-110				
Sulfate	10.5	1.00	"	10.0		105	85-115				
Duplicate (BE31373-DUP1)											
*Source sample: 23E1107-01 (EN-6M)										Prepared & Analyzed: 05/18/2023	
Chloride	10.1	0.500	mg/L		10.1				0.253	15	
Nitrate as N	0.708	0.0500	"		0.730				3.13	15	
Sulfate	2.13	1.00	"		2.17				2.05	15	
Duplicate (BE31373-DUP2)											
*Source sample: 23E1107-02 (EN-6S)										Prepared & Analyzed: 05/18/2023	
Chloride	58.9	0.500	mg/L		70.8				18.4	15	Non-dir.
Nitrate as N	6.41	0.0500	"		6.44				0.501	15	
Sulfate	26.8	1.00	"		26.8				0.0527	15	
Matrix Spike (BE31373-MS1)											
*Source sample: 23E1107-01 (EN-6M)										Prepared & Analyzed: 05/18/2023	
Chloride	20.4	0.500	mg/L	10.0	10.1	103	85-115				
Nitrate as N	10.7	0.0500	"	10.0	0.730	100	90-110				
Sulfate	12.5	1.00	"	10.0	2.17	103	85-115				
Matrix Spike (BE31373-MS2)											
*Source sample: 23E1107-02 (EN-6S)										Prepared & Analyzed: 05/18/2023	
Chloride	59.0	0.500	mg/L	10.0	70.8	NR	85-115	Low Bias			
Nitrate as N	15.9	0.0500	"	10.0	6.44	94.5	90-110				
Sulfate	33.5	1.00	"	10.0	26.8	66.9	85-115	Low Bias			



Anions by Ion Chromatography - Quality Control Data

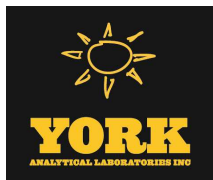
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31385 - EPA 300											
Blank (BE31385-BLK1)											
Prepared & Analyzed: 05/19/2023											
Chloride	ND	0.500	mg/L								
LCS (BE31385-BS1)											
Prepared & Analyzed: 05/19/2023											
Chloride	10.2	0.500	mg/L	10.0		102	90-110				
Duplicate (BE31385-DUP1)											
*Source sample: 23E1138-01 (Duplicate)											
Prepared & Analyzed: 05/19/2023											
Chloride	ND	0.500	mg/L		554					15	
Duplicate (BE31385-DUP2)											
*Source sample: 23E1132-01 (Duplicate)											
Prepared & Analyzed: 05/19/2023											
Chloride	35.0	0.500	mg/L		35.1				0.123	15	
Matrix Spike (BE31385-MS1)											
*Source sample: 23E1138-01 (Matrix Spike)											
Prepared & Analyzed: 05/19/2023											
Chloride	ND	0.500	mg/L	10.0	554	NR	85-115	Low Bias			
Matrix Spike (BE31385-MS2)											
*Source sample: 23E1132-01 (Matrix Spike)											
Prepared & Analyzed: 05/19/2023											
Chloride	41.6	0.500	mg/L	10.0	35.1	65.1	85-115	Low Bias			



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 BE31313 - Analysis Preparation											
Blank (BE31313-BLK1)											
										Prepared & Analyzed: 05/18/2023	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L								
LCS (BE31313-BS1)											
										Prepared & Analyzed: 05/18/2023	
Ammonia Nitrogen as NH3	1.04	0.0500	mg/L				85-125				
Duplicate (BE31313-DUP1)											
*Source sample: 23E1107-04 (CW-2M)										Prepared & Analyzed: 05/18/2023	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L		ND					15	
Matrix Spike (BE31313-MS1)											
*Source sample: 23E1107-04 (CW-2M)										Prepared & Analyzed: 05/18/2023	
Ammonia Nitrogen as NH3	10.2	0.0500	mg/L		ND		80-120				
Matrix Spike Dup (BE31313-MSD1)											
*Source sample: 23E1107-04 (CW-2M)										Prepared & Analyzed: 05/18/2023	
Ammonia Nitrogen as NH3	10.2	0.0500	mg/L		ND		80-120		0.357	200	
Batch BE31696 - Analysis Preparation											
Duplicate (BE31696-DUP1)											
*Source sample: 23E1224-03 (Duplicate)										Prepared & Analyzed: 05/25/2023	
Alkalinity, total	30	2.0	mg/L		30				0.00	15	
Reference (BE31696-SRM1)											
										Prepared & Analyzed: 05/25/2023	
Alkalinity, total	60		mg/L	60.8		98.7	90-110				
Batch BE31697 - Analysis Preparation											
Blank (BE31697-BLK1)											
										Prepared & Analyzed: 05/25/2023	
Bicarbonate	ND	2.00	mg/L								



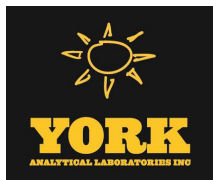
Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

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

Batch BE31697 - Analysis Preparation

Duplicate (BE31697-DUP1)		*Source sample: 23E1224-03 (Duplicate)						Prepared & Analyzed: 05/25/2023			
Bicarbonate	30.0	2.00	mg/L		30.0				0.00	15	



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

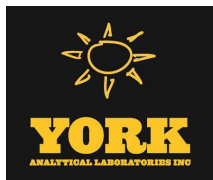
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31315 - % Solids Prep

Blank (BE31315-BLK1)										Prepared & Analyzed: 05/18/2023	
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BE31315-DUP1) *Source sample: 23E0906-05 (Duplicate)										Prepared & Analyzed: 05/18/2023	
Total Dissolved Solids	270	10.0	mg/L		272				0.738	15	
Duplicate (BE31315-DUP2) *Source sample: 23E1107-01 (EN-6M)										Prepared & Analyzed: 05/18/2023	
Total Dissolved Solids	53.0	10.0	mg/L		51.0				3.85	15	

Batch BE31508 - % Solids Prep

Blank (BE31508-BLK1)										Prepared & Analyzed: 05/22/2023	
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BE31508-DUP1) *Source sample: 23E1224-03 (Duplicate)										Prepared & Analyzed: 05/22/2023	
Total Dissolved Solids	268	10.0	mg/L		274				2.21	15	
Duplicate (BE31508-DUP2) *Source sample: 23E1282-02 (Duplicate)										Prepared & Analyzed: 05/22/2023	
Total Dissolved Solids	532	10.0	mg/L		535				0.562	15	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23E1107-01	EN-6M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1107-02	EN-6S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1107-03	EN-9M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1107-04	CW-2M	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1107-05	Trip Blank	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.

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.

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.

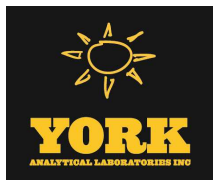
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.

Revision Description: This report has been revised to update the VOA compound list.



Field Chain-of-Custody Record

YORK Project No.
23E1107

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This 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.

20 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: D+B Engineers & Architects	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	5629	RUSH - Next Day	
Address: 330 crossways park	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same		RUSH - Two Day	
Phone: 516-364-9890	Phone: Same	Phone: Same	Phone: Same	Phone: Same	Phone: Same	Phone: Same		RUSH - Three Day	
Contact: Keith Robins	Contact: Same	Contact: Same	Contact: Same	Contact: Same	Contact: Same	Contact: Same		RUSH - Four Day	
E-mail: krobin@db-eng.com	E-mail: Same	E-mail: Same	E-mail: Same	E-mail: Same	E-mail: Same	E-mail: Same		RUSH - Five Day	
							YOUR PO#: 5629	Standard (6-9 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.

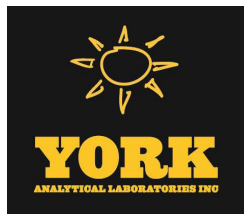
Ryan Lee
Samples Collected by: (Name AND sign your name)

Sample Identification	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analyses Requested	Container Type	No.
EN-6M	GW	New York	Summary Report	EQUS (Standard)	340-ml vial, 21L	340-ml vial, 21L
EN-6S	GW	New Jersey	QA Report	CT RCP DQADUE NYSDEC EQUS	↓	↓
EN-9M	GW	Connecticut	CMDP	NJDEP Reduced	↓	↓
CW-2M	GW	Pennsylvania	Standard Excel EDD	Deliverables	↓	↓
		Other:	NY ASP B Package	Other:		

Preservation: (check all that apply)	Special Instruction
HCl ☒ MeOH ☒ HNO3 ☒ H2SO4 ☒ NaOH ☒	Field Filtered
ZnAc ☒ Ascorbic Acid ☒ Other ☒	Lab to Filter

Comments: Analysis is same for all four samples provide category "B" and EQUS end data to labdata@db-eng.com

1. Samples Relinquished by / Company	2. Samples Relinquished by / Company	3. Samples Relinquished by / Company	4. Samples Relinquished by / Company
tB Ryan Lee 5/17/23	K. Redhead 5/18/23 10:00AM	K. Redhead 5/18/23 1625	K. Redhead 5/18/23 1625



Technical Report

prepared for:

D&B Engineers and Architects, P.C.

330 Crossways Park Drive

Woodbury NY, 11797

Attention: Keith Robins

Report Date: 06/08/2023

Client Project ID: 5629 East Northport Landfill Groundwater

York Project (SDG) No.: 23E1224

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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@yorklab.com

Report Date: 06/08/2023
Client Project ID: 5629 East Northport Landfill Groundwater
York Project (SDG) No.: 23E1224

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

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 19, 2023 and listed below. The project was identified as your project: **5629 East Northport Landfill 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>
23E1224-01	Field Blank-5-18-23	Water	05/18/2023	05/19/2023
23E1224-02	Blind Duplicate-1-5-18-23	Water	05/18/2023	05/19/2023
23E1224-03	EN1-M-5-18-23	Water	05/18/2023	05/19/2023
23E1224-04	EN7-M-5-18-23	Water	05/18/2023	05/19/2023
23E1224-05	EN-10M-5-18-23	Water	05/18/2023	05/19/2023
23E1224-06	Trip blank- 5-18-23	Water	05/18/2023	05/19/2023

General Notes for York Project (SDG) No.: 23E1224

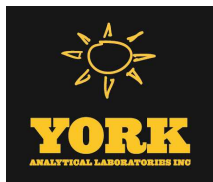
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 06/08/2023

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: Field Blank-5-18-23

York Sample ID: 23E1224-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:45 pm

05/19/2023

VOA, 624 LOW MASTER

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	05/23/2023 09:00	05/23/2023 16:32	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA



York Sample ID: **23E1224-01**

Date Received

05/19/2023

Sample Notes:

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	05/23/2023 09:00	05/23/2023 16:32	SMA
75-09-2	Methylene chloride	0.79	B	ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:32	SMA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: <i>SURR: 1,2-Dichloroethane-d4</i>	100 %	78-126
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	92.5 %	84-117
460-00-4	Surrogate: <i>SURR: p-Bromofluorobenzene</i>	95.5 %	71-130

Sample Notes:

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 8270D SIM Certifications: NJDEP,NELAC-NY10854	05/25/2023 08:28	05/29/2023 14:52	KH
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	99.8 %		36.6-118						

Sample Notes:

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@		

Page 5 of 75



Sample Information

Client Sample ID: Field Blank-5-18-23

York Sample ID: 23E1224-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:45 pm

05/19/2023

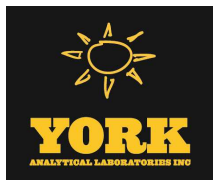
PFAS, EPA 1633 Target List

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)	ND		ng/L	0.477	1.80	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.355	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.721	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.690	1.86	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.426	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.832	1.89	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.528	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.761	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.15	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.893	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.751	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.700	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.802	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.05	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.233	4.06	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.893	2.03	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.924	1.94	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.34	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	1.08	7.72	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.08	7.80	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	0.365	J	ng/L	0.335	8.12	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.508	3.61	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.17	4.06	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ



Sample Information

Client Sample ID: Field Blank-5-18-23

York Sample ID: 23E1224-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:45 pm

05/19/2023

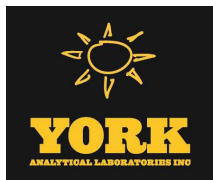
PFAS, EPA 1633 Target List

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	0.254	4.06	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.376	4.06	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.772	1.91	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.82	7.61	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.28	8.12	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.40	7.67	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.711	7.59	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
919005-14-4	ADONA	ND		ng/L	0.538	7.67	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:13	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.944	1.97	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:13	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.873	1.95	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:13	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPtPA)	ND		ng/L	2.06	5.08	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:13	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.44	25.4	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:13	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.61	25.4	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:13	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	4.05	20.3	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:13	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.60	2.03	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:13	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	4.05	20.3	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:13	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.83	2.03	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:13	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		106 %	25-150								
Surrogate: M5PFHxA		103 %	25-150								
Surrogate: M4PFHpA		103 %	25-150								
Surrogate: M3PFHxS		104 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		86.4 %	25-150								
Surrogate: M6PFDA		89.4 %	25-150								
Surrogate: M7PFUdA		86.1 %	25-150								
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)		109 %	25-150								



Sample Information

Client Sample ID: Field Blank-5-18-23

York Sample ID: 23E1224-01

York Project (SDG) No.

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Matrix

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23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:45 pm

05/19/2023

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	79.6 %			10-150						
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	14.1 %			25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	137 %			25-150						
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	93.7 %			25-150						
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	97.6 %			10-150						
	Surrogate: d3-N-MeFOSAA	73.8 %			25-150						
	Surrogate: d5-N-EtFOSAA	71.6 %			25-150						
	Surrogate: M2-6:2 FTS	81.0 %			25-200						
	Surrogate: M2-8:2 FTS	68.2 %			25-200						
	Surrogate: M9PFNA	139 %			25-150						
	Surrogate: M2-4:2 FTS	83.2 %			25-150						
	Surrogate: d-N-MeFOSA	93.0 %			25-150						
	Surrogate: d-N-EtFOSA	160 %			25-150						
	Surrogate: M3HFPO-DA	99.4 %			25-150						
	Surrogate: d9-N-EtFOSE	59.3 %			25-150						
	Surrogate: d7-N-MeFOSE	62.6 %			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	0.0887		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:53	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	0.0898		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:53	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Chromium by EPA 6010

Log-in Notes:

Sample Notes:

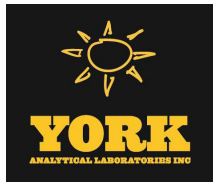
Sample Prepared by Method: EPA 3015A

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	05/30/2023 08:41	05/30/2023 20:53	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Field Blank-5-18-23

York Sample ID: 23E1224-01

York Project (SDG) No.

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Matrix

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Date Received

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5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:45 pm

05/19/2023

Sample Prepared by Method: EPA 200.7

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/30/2023 08:17	05/30/2023 19:03	CEG

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/30/2023 08:41	05/30/2023 20:53	CEG

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 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/30/2023 08:41	05/30/2023 20:53	CEG

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	0.146	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/30/2023 08:41	05/30/2023 20:53	CEG

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	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/30/2023 08:41	05/30/2023 20:53	CEG

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,PADEP	05/30/2023 08:45	05/30/2023 19:37	cw

Cadmium by EPA 6020

Log-in Notes:

Sample Notes:

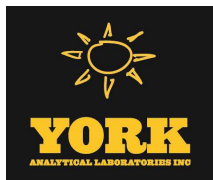
Sample Prepared by Method: EPA 3015A

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,PADEP	05/30/2023 08:45	05/30/2023 19:37	cw

Lead by EPA 6020

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Field Blank-5-18-23

York Sample ID: 23E1224-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:45 pm

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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,PADEP	05/30/2023 08:45	05/30/2023 19:37	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	0.0004720		mg/L	0.0002000	1	EPA 245.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/26/2023 08:11	05/26/2023 08:11	PA

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	0.199	J	mg/L	0.0690	0.500	1	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/20/2023 00:54	05/20/2023 00:54	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	0.0593		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/20/2023 00:54	05/20/2023 00:54	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	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/20/2023 00:54	05/20/2023 00:54	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	ND		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/25/2023 08:42	05/25/2023 14:03	VR

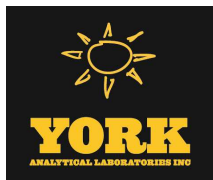
Ammonia as NH3

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	0.0579		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/22/2023 14:52	05/22/2023 20:05	NJO



Sample Information

Client Sample ID: Field Blank-5-18-23

York Sample ID: 23E1224-01

York Project (SDG) No.

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Matrix

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23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:45 pm

05/19/2023

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 Certifications:	05/25/2023 08:48	05/25/2023 14:04	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		32.0		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/22/2023 19:09	05/22/2023 19:09	AA

Sample Information

Client Sample ID: Blind Duplicate-1-5-18-23

York Sample ID: 23E1224-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 12:34 pm

05/19/2023

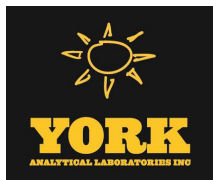
VOA, 624 LOW MASTER

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	05/23/2023 09:00	05/23/2023 16:58	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
75-34-3	1,1-Dichloroethane	0.64		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
106-46-7	1,4-Dichlorobenzene	1.4		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA



Sample Information

Client Sample ID: Blind Duplicate-1-5-18-23

York Sample ID: 23E1224-02

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 12:34 pm

05/19/2023

VOA, 624 LOW MASTER

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	05/23/2023 09:00	05/23/2023 16:58	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
108-90-7	Chlorobenzene	1.0		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
156-59-2	cis-1,2-Dichloroethylene	1.9		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
79-01-6	Trichloroethylene	0.53		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA
75-01-4	Vinyl Chloride	0.51		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 16:58	SMA



Sample Information

Client Sample ID: Blind Duplicate-1-5-18-23

York Sample ID: 23E1224-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 12:34 pm

05/19/2023

VOA, 624 LOW MASTER

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	05/23/2023 09:00	05/23/2023 16:58	SMA
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	99.9 %								
2037-26-5	Surrogate: SURRE: Toluene-d8	92.7 %								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	96.0 %								

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	23.9		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	05/25/2023 08:28	05/29/2023 15:26	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	94.6 %								

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)	10.9		ng/L	0.429	1.62	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	97.2		ng/L	0.320	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	44.4		ng/L	0.649	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	14.8		ng/L	0.621	1.67	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	86.7		ng/L	0.384	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	35.1		ng/L	0.749	1.70	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	0.498	J	ng/L	0.475	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.685	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.03	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.804	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ



Sample Information

Client Sample ID: Blind Duplicate-1-5-18-23

York Sample ID: 23E1224-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 12:34 pm

05/19/2023

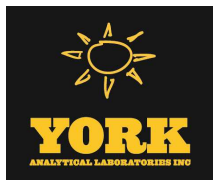
PFAS, EPA 1633 Target List

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
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.676	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.630	1.83	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.722	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
2991-50-6	N-EtFOSAA	8.29		ng/L	0.941	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	28.0		ng/L	0.210	3.65	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.804	1.83	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	2.17		ng/L	0.832	1.75	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.21	1.76	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	0.969	6.94	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.87	7.02	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	67.8		ng/L	0.302	7.31	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.457	3.25	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	1.96	3.65	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.228	3.65	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	0.501	J	ng/L	0.338	3.65	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	4.41		ng/L	0.694	1.72	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.64	6.85	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
13252-13-6	HFPO-DA (Gen-X)	7.37		ng/L	2.95	7.31	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.26	6.91	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.640	6.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
919005-14-4	ADONA	ND		ng/L	0.484	6.91	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:25	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.850	1.77	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.786	1.75	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ



Sample Information

Client Sample ID: Blind Duplicate-1-5-18-23

York Sample ID: 23E1224-02

York Project (SDG) No.

Client Project ID

Matrix

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23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 12:34 pm

05/19/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

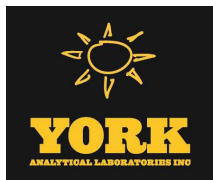
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.85	4.57	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	6.70	22.8	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	8.65	22.8	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.65	18.3	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.44	1.83	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.65	18.3	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.64	1.83	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:25	ESJ

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	93.2 %	25-150
Surrogate: M5PFHxA	133 %	25-150
Surrogate: M4PFHpA	94.8 %	25-150
Surrogate: M3PFHxS	105 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	116 %	25-150
Surrogate: M6PFDA	96.6 %	25-150
Surrogate: M7PFUdA	74.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	44.9 %	25-150
Surrogate: M2PFTeDA	26.4 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	27.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	122 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	120 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	88.4 %	10-150
Surrogate: d3-N-MeFOSAA	93.9 %	25-150
Surrogate: d5-N-EtFOSAA	87.8 %	25-150
Surrogate: M2-6:2 FTS	192 %	25-200
Surrogate: M2-8:2 FTS	146 %	25-200
Surrogate: M9PFNA	96.9 %	25-150
Surrogate: M2-4:2 FTS	384 %	25-150
Surrogate: d-N-MeFOSA	64.4 %	25-150
Surrogate: d-N-EtFOSA	140 %	25-150
Surrogate: M3HFPO-DA	106 %	25-150



Sample Information

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5629 East Northport Landfill Groundwater

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Water

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May 18, 2023 12:34 pm

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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: d9-N-EtFOSE	34.5 %			25-150						
	Surrogate: d7-N-MeFOSE	34.6 %			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	1.57		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:56	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	86.0		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:56	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	05/30/2023 08:41	05/30/2023 20:56	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	307		mg/L	1.11	1	SM 2340B-2011	05/30/2023 08:17	05/30/2023 19:07	CEG
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP										

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	2.70		mg/L	0.278	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:56	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

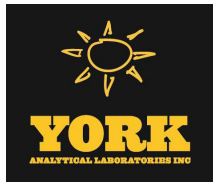
Magnesium by EPA 6010

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	27.2		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:56	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										



Sample Information

Client Sample ID: Blind Duplicate-1-5-18-23

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23E1224

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5629 East Northport Landfill Groundwater

Matrix

Water

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May 18, 2023 12:34 pm

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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	30.1	B	mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:56	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	177		mg/L	0.556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:56	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	2.02		ug/L	1.11	1	EPA 6020B	05/30/2023 08:45	05/30/2023 19:41	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/30/2023 08:45	05/30/2023 19:41	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	5.61	M-CCV 1	ug/L	1.11	1	EPA 6020B	05/30/2023 08:45	05/30/2023 19:41	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/26/2023 08:11	05/26/2023 08:11	PA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

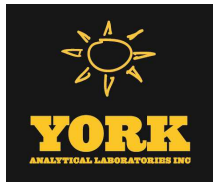
Chloride

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	171		mg/L	0.690	5.00	10	EPA 300.0	05/20/2023 02:03	05/20/2023 02:03	VR
Certifications:								CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			



Sample Information

Client Sample ID: Blind Duplicate-1-5-18-23

York Sample ID: 23E1224-02

York Project (SDG) No.

23E1224

Client Project ID

5629 East Northport Landfill Groundwater

Matrix

Water

Collection Date/Time

May 18, 2023 12:34 pm

Date Received

05/19/2023

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/20/2023 00:05	05/20/2023 00:05	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	89.8		mg/L	10.0	10	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/20/2023 02:03	05/20/2023 02:03	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	500		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/25/2023 08:42	05/25/2023 14:03	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	15.1		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/22/2023 14:52	05/22/2023 20:05	NJO

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	496		mg/L	2.00	1	SM 2310B Certifications:	05/25/2023 08:48	05/25/2023 14:04	VR

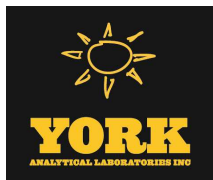
Total Dissolved Solids

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	789		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/22/2023 19:09	05/22/2023 19:09	AA



Sample Information

Client Sample ID: EN1-M-5-18-23

York Sample ID: 23E1224-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 1:00 pm

05/19/2023

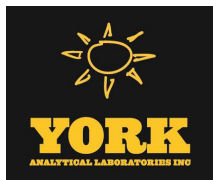
VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 13:04	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
67-66-3	Chloroform	1.2		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA



Sample Information

Client Sample ID: EN1-M-5-18-23

York Sample ID: 23E1224-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 1:00 pm

05/19/2023

VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 13:04	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 13:04	SMA
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %								
2037-26-5	Surrogate: SURRE: Toluene-d8	89.7 %								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	94.1 %								

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	0.320		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	05/25/2023 08:28	05/29/2023 15:43	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	94.4 %								

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
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: EN1-M-5-18-23

York Sample ID: 23E1224-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 1:00 pm

05/19/2023

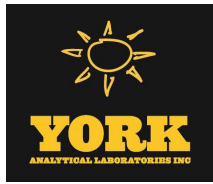
PFAS, EPA 1633 Target List

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)	0.567	J	ng/L	0.461	1.74	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	5.41		ng/L	0.344	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.95	J	ng/L	0.697	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	6.94		ng/L	0.667	1.80	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	7.08		ng/L	0.412	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.805	1.83	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.510	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.736	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.11	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.864	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.726	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.677	1.96	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.775	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	1.01	1.96	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	4.13		ng/L	0.226	3.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.864	1.96	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.893	1.87	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.30	1.89	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2.77	J	ng/L	1.04	7.46	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.01	7.54	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	3.27	J	ng/L	0.324	7.85	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.491	3.49	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ



Sample Information

Client Sample ID: EN1-M-5-18-23

York Sample ID: 23E1224-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 1:00 pm

05/19/2023

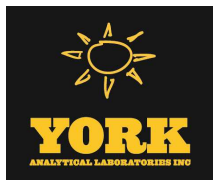
PFAS, EPA 1633 Target List

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	2.10	3.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.245	3.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
863090-89-5	Perfluoro-5-oxaheptanoic acid (PFMBA)	ND		ng/L	0.363	3.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.746	1.85	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.76	7.36	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.17	7.85	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.35	7.42	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.687	7.34	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
919005-14-4	ADONA	ND		ng/L	0.520	7.42	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 19:38	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.913	1.90	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.844	1.88	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.99	4.91	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.19	24.5	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.29	24.5	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.92	19.6	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.55	1.96	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.92	19.6	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.77	1.96	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 19:38	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		140 %	25-150								
Surrogate: M5PFHxA		104 %	25-150								
Surrogate: M4PFHpA		102 %	25-150								
Surrogate: M3PFHxS		122 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		73.6 %	25-150								
Surrogate: M6PFDA		83.6 %	25-150								
Surrogate: M7PFUdA		61.6 %	25-150								



Sample Information

Client Sample ID: EN1-M-5-18-23

York Sample ID: 23E1224-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 1:00 pm

05/19/2023

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)	55.2 %			25-150						
	Surrogate: M2PFTeDA	41.0 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	21.8 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	102 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	107 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	79.6 %			10-150						
	Surrogate: d3-N-MeFOSAA	53.8 %			25-150						
	Surrogate: d5-N-EtFOSAA	63.4 %			25-150						
	Surrogate: M2-6:2 FTS	80.5 %			25-200						
	Surrogate: M2-8:2 FTS	74.9 %			25-200						
	Surrogate: M9PFNA	83.1 %			25-150						
	Surrogate: M2-4:2 FTS	105 %			25-150						
	Surrogate: d-N-MeFOSA	51.5 %			25-150						
	Surrogate: d-N-EtFOSA	134 %			25-150						
	Surrogate: M3HFPO-DA	101 %			25-150						
	Surrogate: d9-N-EtFOSE	34.4 %			25-150						
	Surrogate: d7-N-MeFOSE	41.5 %			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	0.0779		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:59	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	26.4		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:59	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

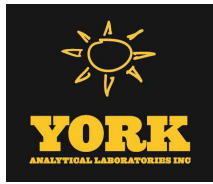
Chromium by EPA 6010

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	05/30/2023 08:41	05/30/2023 20:56	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: EN1-M-5-18-23

York Sample ID: 23E1224-03

York Project (SDG) No.

23E1224

Client Project ID

5629 East Northport Landfill Groundwater

Matrix

Water

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Date Received

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Hardness, total (as CaCO₃)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	98.5		mg/L	1.11	1	SM 2340B-2011	05/30/2023 08:17	05/30/2023 19:10	CEG
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP		

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	0.596		mg/L	0.278	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:59	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	10.4		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:59	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	1.61	B	mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:59	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	25.6		mg/L	0.556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 20:59	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/30/2023 08:45	05/30/2023 19:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/30/2023 08:45	05/30/2023 19:44	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6020

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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(203) 325-1371

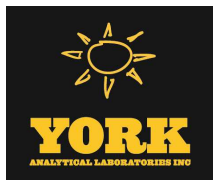
132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

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Sample Information

Client Sample ID: EN1-M-5-18-23

York Sample ID: 23E1224-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 1:00 pm

05/19/2023

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	1.50	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/30/2023 08:45	05/30/2023 19:44	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,PADEP	05/26/2023 08:11	05/26/2023 08:11	PA

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	51.1		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/20/2023 02:13	05/20/2023 02:13	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	7.03		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/19/2023 22:19	05/19/2023 22:19	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	33.7		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/19/2023 22:19	05/19/2023 22:19	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	30		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/25/2023 08:42	05/25/2023 14:03	VR

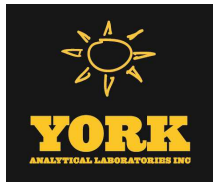
Ammonia as NH3

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:	05/22/2023 14:52	05/22/2023 20:05	NJO



Sample Information

Client Sample ID: EN1-M-5-18-23

York Sample ID: 23E1224-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 1:00 pm

05/19/2023

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		30.0		mg/L	2.00	1	SM 2310B Certifications:	05/25/2023 08:48	05/25/2023 14:04	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		274		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/22/2023 19:09	05/22/2023 19:09	AA

Sample Information

Client Sample ID: EN7-M-5-18-23

York Sample ID: 23E1224-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:00 pm

05/19/2023

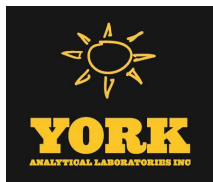
VOA, 624 LOW MASTER

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	05/23/2023 09:00	05/23/2023 17:25	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
75-34-3	1,1-Dichloroethane	0.59		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
106-46-7	1,4-Dichlorobenzene	1.4		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA



Sample Information

Client Sample ID: EN7-M-5-18-23

York Sample ID: 23E1224-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:00 pm

05/19/2023

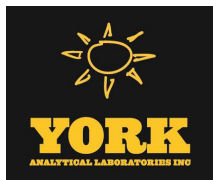
VOA, 624 LOW MASTER

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	05/23/2023 09:00	05/23/2023 17:25	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
108-90-7	Chlorobenzene	1.0		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
156-59-2	cis-1,2-Dichloroethylene	1.9		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:25	SMA



Sample Information

Client Sample ID: EN7-M-5-18-23

York Sample ID: 23E1224-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:00 pm

05/19/2023

VOA, 624 LOW MASTER

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	05/23/2023 09:00	05/23/2023 17:25	SMA
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %		78-126						
2037-26-5	Surrogate: SURRE: Toluene-d8	92.9 %		84-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	97.5 %		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	23.6		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	05/25/2023 08:28	05/29/2023 16:01	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	86.0 %		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)	7.16		ng/L	0.454	1.71	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	84.5		ng/L	0.338	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	40.8		ng/L	0.687	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	20.5		ng/L	0.658	1.77	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	105		ng/L	0.406	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	36.1		ng/L	0.793	1.80	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.503	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.725	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.09	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.851	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ



Sample Information

Client Sample ID: EN7-M-5-18-23

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23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:00 pm

05/19/2023

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
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.716	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.667	1.93	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.764	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
2991-50-6	N-EtFOSAA	5.42		ng/L	0.996	1.93	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	65.2		ng/L	0.222	3.87	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.851	1.93	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.880	1.85	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.28	1.87	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.09	J	ng/L	1.02	7.35	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.98	7.43	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	60.1		ng/L	0.319	7.74	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.483	3.44	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.07	3.87	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.242	3.87	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	0.358	3.87	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	6.20		ng/L	0.735	1.82	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.73	7.25	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
13252-13-6	HFPO-DA (Gen-X)	4.99	J	ng/L	3.12	7.74	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.33	7.31	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.677	7.23	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
919005-14-4	ADONA	ND		ng/L	0.512	7.31	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:02	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.899	1.88	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.832	1.86	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ



Sample Information

Client Sample ID: EN7-M-5-18-23

York Sample ID: 23E1224-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 5:00 pm

05/19/2023

PFAS, EPA 1633 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

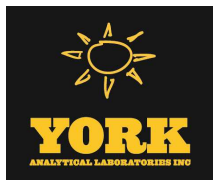
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.96	4.83	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.09	24.2	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.16	24.2	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.86	19.3	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.53	1.93	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.86	19.3	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.74	1.93	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:02	ESJ

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	77.3 %	25-150
Surrogate: M5PFHxA	141 %	25-150
Surrogate: M4PFHpA	88.7 %	25-150
Surrogate: M3PFHxS	82.5 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	93.4 %	25-150
Surrogate: M6PFDA	59.8 %	25-150
Surrogate: M7PFUdA	58.1 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	58.6 %	25-150
Surrogate: M2PFTeDA	34.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	27.7 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	101 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	118 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	102 %	10-150
Surrogate: d3-N-MeFOSAA	89.8 %	25-150
Surrogate: d5-N-EtFOSAA	92.6 %	25-150
Surrogate: M2-6:2 FTS	175 %	25-200
Surrogate: M2-8:2 FTS	115 %	25-200
Surrogate: M9PFNA	121 %	25-150
Surrogate: M2-4:2 FTS	349 %	25-150
Surrogate: d-N-MeFOSA	49.4 %	25-150
Surrogate: d-N-EtFOSA	143 %	25-150
Surrogate: M3HFPO-DA	108 %	25-150



Sample Information

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York Sample ID: 23E1224-04

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Matrix

Water

Collection Date/Time

May 18, 2023 5:00 pm

Date Received

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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: d9-N-EtFOSE	38.3 %			25-150						
	Surrogate: d7-N-MeFOSE	36.4 %			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	0.974		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:21	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	88.0		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:21	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	05/30/2023 08:41	05/30/2023 21:21	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	298		mg/L	1.11	1	SM 2340B-2011	05/30/2023 08:17	05/30/2023 19:25	CEG
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP										

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	2.02		mg/L	0.278	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:21	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

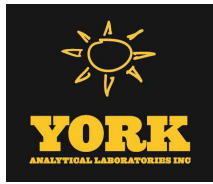
Magnesium by EPA 6010

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	26.6		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:21	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										



Sample Information

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May 18, 2023 5:00 pm

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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	29.0	B	mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:21	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	179		mg/L	0.556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:21	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	1.74		ug/L	1.11	1	EPA 6020B	05/30/2023 08:45	05/30/2023 19:58	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/30/2023 08:45	05/30/2023 19:58	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	5.33	M-CCV 1	ug/L	1.11	1	EPA 6020B	05/30/2023 08:45	05/30/2023 19:58	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/26/2023 08:11	05/26/2023 08:11	PA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

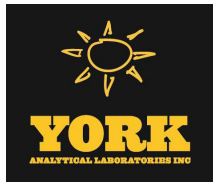
Chloride

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	174		mg/L	0.690	5.00	10	EPA 300.0	05/20/2023 02:23	05/20/2023 02:23	VR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		



Sample Information

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York Sample ID: 23E1224-04

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23E1224

Client Project ID

5629 East Northport Landfill Groundwater

Matrix

Water

Collection Date/Time

May 18, 2023 5:00 pm

Date Received

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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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/20/2023 00:44	05/20/2023 00:44	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	80.7		mg/L	10.0	10	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/20/2023 02:23	05/20/2023 02:23	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	520		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/26/2023 07:22	05/26/2023 13:23	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	15.9		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/22/2023 14:52	05/22/2023 20:05	NJO

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	516		mg/L	2.00	1	SM 2310B Certifications:	05/26/2023 07:23	05/26/2023 13:24	VR

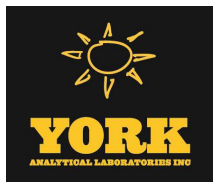
Total Dissolved Solids

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	814		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/22/2023 19:09	05/22/2023 19:09	AA



Sample Information

Client Sample ID: EN-10M-5-18-23

York Sample ID: 23E1224-05

York Project (SDG) No.

23E1224

Client Project ID

5629 East Northport Landfill Groundwater

Matrix

Water

Collection Date/Time

May 18, 2023 4:00 pm

Date Received

05/19/2023

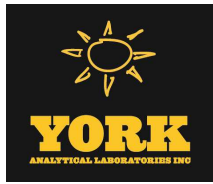
VOA, 624 LOW MASTER

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	05/23/2023 09:00	05/23/2023 17:51	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
67-66-3	Chloroform	0.63		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA



Sample Information

Client Sample ID: EN-10M-5-18-23

York Sample ID: 23E1224-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 4:00 pm

05/19/2023

VOA, 624 LOW MASTER

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	05/23/2023 09:00	05/23/2023 17:51	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/23/2023 09:00	05/23/2023 17:51	SMA
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: <i>SURR: 1,2-Dichloroethane-d4</i>	96.5 %								
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	92.9 %								
460-00-4	Surrogate: <i>SURR: p-Bromofluorobenzene</i>	96.4 %								

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 8270D SIM Certifications: NJDEP,NELAC-NY10854	05/25/2023 08:28	05/29/2023 16:18	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: <i>1,4-Dioxane-d8</i>	94.4 %								

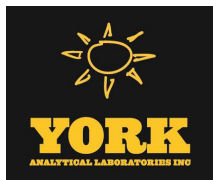
PFAS, EPA 1633 Target List

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
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@		Page 35 of 75	



Sample Information

Client Sample ID: EN-10M-5-18-23

York Sample ID: 23E1224-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 4:00 pm

05/19/2023

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)	0.653	J	ng/L	0.452	1.70	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
307-24-4	Perfluorohexanoic acid (PFHxA)	5.22		ng/L	0.336	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.78	J	ng/L	0.682	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.03		ng/L	0.653	1.76	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
335-67-1	Perfluorooctanoic acid (PFOA)	2.89		ng/L	0.404	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.788	1.79	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.500	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.721	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.09	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.846	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	0.711	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.663	1.92	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
2355-31-9	N-MeFOSAA	ND		ng/L	0.759	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
2991-50-6	N-EtFOSAA	ND		ng/L	0.990	1.92	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
2706-90-3	Perfluoropentanoic acid (PFPeA)	5.21		ng/L	0.221	3.84	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.846	1.92	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.875	1.84	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.27	1.85	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	14.5		ng/L	1.02	7.30	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.97	7.38	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
375-22-4	Perfluoro-n-butanoic acid (PFBA)	5.06	J	ng/L	0.317	7.69	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.481	3.42	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ



Sample Information

Client Sample ID: EN-10M-5-18-23

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York Project (SDG) No.

Client Project ID

Matrix

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23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 4:00 pm

05/19/2023

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	2.06	3.84	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.240	3.84	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
863090-89-5	Perfluoro-5-oxaheptanoic acid (PFMBA)	ND		ng/L	0.356	3.84	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.730	1.81	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	1.72	7.21	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	3.10	7.69	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
763051-92-9	11CL-PF3OUdS	ND		ng/L	1.33	7.27	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
756426-58-1	9CL-PF3ONS	ND		ng/L	0.673	7.19	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
919005-14-4	ADONA	ND		ng/L	0.509	7.27	1	EPA 1633 Draft 2 Certifications: NELAC-NY12058	05/24/2023 17:20	05/26/2023 20:14	ESJ
79780-39-5	* Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.894	1.86	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
68259-12-1	* Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.826	1.85	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
356-02-5	* 3-Perfluoropropyl propanoic acid (FPrPA)	ND		ng/L	1.95	4.81	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
914637-49-3	* 3-Perfluoropentyl propanoic acid (FPePA)	ND		ng/L	7.04	24.0	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
812-70-4	* 3-Perfluoroheptyl propanoic acid (FHpPA)	ND		ng/L	9.10	24.0	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
24448-09-7	* N-MeFOSE	ND		ng/L	3.83	19.2	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
31506-32-8	* N-MeFOSA	ND		ng/L	1.52	1.92	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
1691-99-2	* N-EtFOSE	ND		ng/L	3.83	19.2	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
4151-50-2	* N-EtFOSA	ND		ng/L	1.73	1.92	1	EPA 1633 Draft 2 Certifications:	05/24/2023 17:20	05/26/2023 20:14	ESJ
Surrogate Recoveries		Result	Acceptance Range								
Surrogate: M3PFBS		131 %	25-150								
Surrogate: M5PFHxA		117 %	25-150								
Surrogate: M4PFHpA		116 %	25-150								
Surrogate: M3PFHxS		118 %	25-150								
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)		100 %	25-150								
Surrogate: M6PFDA		92.0 %	25-150								
Surrogate: M7PFUdA		89.0 %	25-150								



Sample Information

Client Sample ID: EN-10M-5-18-23

York Sample ID: 23E1224-05

York Project (SDG) No.

23E1224

Client Project ID

5629 East Northport Landfill Groundwater

Matrix

Water

Collection Date/Time

May 18, 2023 4:00 pm

Date Received

05/19/2023

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)	80.9 %			25-150						
	Surrogate: M2PFTeDA	52.4 %			10-150						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	17.9 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	127 %			25-150						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	123 %			25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	109 %			10-150						
	Surrogate: d3-N-MeFOSAA	79.0 %			25-150						
	Surrogate: d5-N-EtFOSAA	113 %			25-150						
	Surrogate: M2-6:2 FTS	98.8 %			25-200						
	Surrogate: M2-8:2 FTS	81.0 %			25-200						
	Surrogate: M9PFNA	145 %			25-150						
	Surrogate: M2-4:2 FTS	116 %			25-150						
	Surrogate: d-N-MeFOSA	92.2 %			25-150						
	Surrogate: d-N-EtFOSA	123 %			25-150						
	Surrogate: M3HFPO-DA	114 %			25-150						
	Surrogate: d9-N-EtFOSE	55.3 %			25-150						
	Surrogate: d7-N-MeFOSE	56.7 %			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	1.87		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:24	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

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	05/30/2023 08:41	05/30/2023 21:24	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										

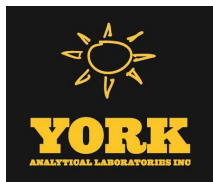
Chromium by EPA 6010

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	0.0141		mg/L	0.00556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:24	CEG
Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP										



Sample Information

Client Sample ID: EN-10M-5-18-23

York Sample ID: 23E1224-05

York Project (SDG) No.

23E1224

Client Project ID

5629 East Northport Landfill Groundwater

Matrix

Water

Collection Date/Time

May 18, 2023 4:00 pm

Date Received

05/19/2023

Hardness, total (as CaCO₃)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	67.7		mg/L	1.11	1	SM 2340B-2011	05/30/2023 08:17	05/30/2023 19:35	CEG
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP		

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	3.00		mg/L	0.278	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:24	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	7.11		mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:24	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	2.99	B	mg/L	0.0556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:24	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	19.4		mg/L	0.556	1	EPA 6010D	05/30/2023 08:41	05/30/2023 21:24	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	1.62		ug/L	1.11	1	EPA 6020B	05/30/2023 08:45	05/30/2023 20:01	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

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	05/30/2023 08:45	05/30/2023 20:01	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6020

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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STRATFORD, CT 06615

(203) 325-1371

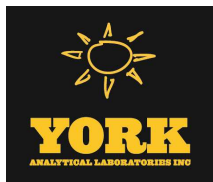
132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@

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Sample Information

Client Sample ID: EN-10M-5-18-23

York Sample ID: 23E1224-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 4:00 pm

05/19/2023

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	81.6	M-CCV 1	ug/L	1.11	1	EPA 6020B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/30/2023 08:45	05/30/2023 20:01	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,PADEP	05/26/2023 08:11	05/26/2023 08:11	PA

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	33.3		mg/L	0.0690	0.500	1	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/20/2023 00:34	05/20/2023 00:34	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	6.54		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/20/2023 00:34	05/20/2023 00:34	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	28.9		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/20/2023 00:34	05/20/2023 00:34	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	24		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/26/2023 07:22	05/26/2023 13:23	VR

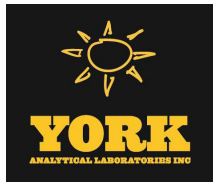
Ammonia as NH3

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	0.0601		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/22/2023 14:52	05/22/2023 20:05	NJO



Sample Information

Client Sample ID: EN-10M-5-18-23

York Sample ID: 23E1224-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 4:00 pm

05/19/2023

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 Certifications:	05/26/2023 07:23	05/26/2023 13:24	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		202		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/22/2023 19:09	05/22/2023 19:09	AA

Sample Information

Client Sample ID: Trip blank- 5-18-23

York Sample ID: 23E1224-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 3:00 pm

05/19/2023

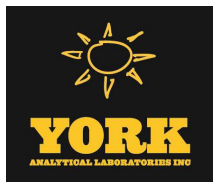
VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 11:44	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA



Sample Information

Client Sample ID: Trip blank- 5-18-23

York Sample ID: 23E1224-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 3:00 pm

05/19/2023

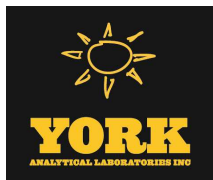
VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 11:44	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
100-41-4	Ethyl Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA



Sample Information

Client Sample ID: Trip blank- 5-18-23

York Sample ID: 23E1224-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1224

5629 East Northport Landfill Groundwater

Water

May 18, 2023 3:00 pm

05/19/2023

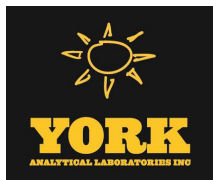
VOA, 624 LOW MASTER

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: CTD0H-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 11:44	SMA
Surrogate Recoveries		Result		Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	101 %								
2037-26-5	Surrogate: SURRE: Toluene-d8	90.3 %								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	95.5 %								



Analytical Batch Summary

Batch ID: BE31436

Preparation Method: EPA 300

Prepared By: VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/20/23
23E1224-02	Blind Duplicate-1-5-18-23	05/20/23
23E1224-02	Blind Duplicate-1-5-18-23	05/20/23
23E1224-03	EN1-M-5-18-23	05/20/23
23E1224-03	EN1-M-5-18-23	05/19/23
23E1224-04	EN7-M-5-18-23	05/20/23
23E1224-04	EN7-M-5-18-23	05/20/23
23E1224-05	EN-10M-5-18-23	05/20/23
BE31436-BLK1	Blank	05/19/23
BE31436-BS1	LCS	05/19/23
BE31436-DUP1	Duplicate	05/19/23
BE31436-DUP2	Duplicate	05/19/23
BE31436-MS1	Matrix Spike	05/19/23
BE31436-MS2	Matrix Spike	05/19/23

Batch ID: BE31493

Preparation Method: Analysis Preparation

Prepared By: NJO

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/22/23
23E1224-02	Blind Duplicate-1-5-18-23	05/22/23
23E1224-03	EN1-M-5-18-23	05/22/23
23E1224-04	EN7-M-5-18-23	05/22/23
23E1224-05	EN-10M-5-18-23	05/22/23
BE31493-BLK1	Blank	05/22/23
BE31493-BS1	LCS	05/22/23
BE31493-DUP1	Duplicate	05/22/23
BE31493-MS1	Matrix Spike	05/22/23
BE31493-MSD1	Matrix Spike Dup	05/22/23

Batch ID: BE31508

Preparation Method: % Solids Prep

Prepared By: AA

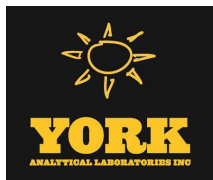
YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/22/23
23E1224-02	Blind Duplicate-1-5-18-23	05/22/23
23E1224-03	EN1-M-5-18-23	05/22/23
23E1224-04	EN7-M-5-18-23	05/22/23
23E1224-05	EN-10M-5-18-23	05/22/23
BE31508-BLK1	Blank	05/22/23
BE31508-DUP1	Duplicate	05/22/23
BE31508-DUP2	Duplicate	05/22/23

Batch ID: BE31543

Preparation Method: EPA 5030B

Prepared By: SMA

YORK Sample ID	Client Sample ID	Preparation Date



23E1224-01	Field Blank-5-18-23	05/23/23
23E1224-02	Blind Duplicate-1-5-18-23	05/23/23
23E1224-04	EN7-M-5-18-23	05/23/23
23E1224-05	EN-10M-5-18-23	05/23/23
BE31543-BLK1	Blank	05/23/23
BE31543-BS1	LCS	05/23/23
BE31543-BSD1	LCS Dup	05/23/23

Batch ID: BE31667 **Preparation Method:** EPA 1633 Prep **Prepared By:** DRP

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/24/23
23E1224-02	Blind Duplicate-1-5-18-23	05/24/23
23E1224-03	EN1-M-5-18-23	05/24/23
23E1224-04	EN7-M-5-18-23	05/24/23
23E1224-05	EN-10M-5-18-23	05/24/23
BE31667-BLK1	Blank	05/24/23
BE31667-BS1	LCS	05/24/23
BE31667-BS2	LCS	05/24/23
BE31667-DUP1	Duplicate	05/24/23

Batch ID: BE31692 **Preparation Method:** EPA 3535A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/25/23
23E1224-02	Blind Duplicate-1-5-18-23	05/25/23
23E1224-03	EN1-M-5-18-23	05/25/23
23E1224-04	EN7-M-5-18-23	05/25/23
23E1224-05	EN-10M-5-18-23	05/25/23
BE31692-BLK1	Blank	05/25/23
BE31692-BS1	LCS	05/25/23
BE31692-MS1	Matrix Spike	05/25/23
BE31692-MS2	Matrix Spike	05/25/23
BE31692-MSD1	Matrix Spike Dup	05/25/23
BE31692-MSD2	Matrix Spike Dup	05/25/23

Batch ID: BE31696 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/25/23
23E1224-02	Blind Duplicate-1-5-18-23	05/25/23
23E1224-03	EN1-M-5-18-23	05/25/23
BE31696-DUP1	Duplicate	05/25/23
BE31696-SRM1	Reference	05/25/23

Batch ID: BE31697 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/25/23



23E1224-02	Blind Duplicate-1-5-18-23	05/25/23
23E1224-03	EN1-M-5-18-23	05/25/23
BE31697-BLK1	Blank	05/25/23
BE31697-DUP1	Duplicate	05/25/23

Batch ID: BE31703 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-03	EN1-M-5-18-23	05/25/23
23E1224-06	Trip blank- 5-18-23	05/25/23
BE31703-BLK1	Blank	05/25/23
BE31703-BS1	LCS	05/25/23
BE31703-BSD1	LCS Dup	05/25/23
BE31703-MS1	Matrix Spike	05/25/23
BE31703-MSD1	Matrix Spike Dup	05/25/23

Batch ID: BE31762 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-04	EN7-M-5-18-23	05/26/23
23E1224-05	EN-10M-5-18-23	05/26/23
BE31762-DUP1	Duplicate	05/26/23
BE31762-SRM1	Reference	05/26/23

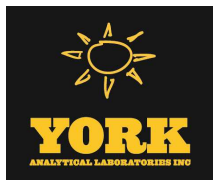
Batch ID: BE31763 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-04	EN7-M-5-18-23	05/26/23
23E1224-05	EN-10M-5-18-23	05/26/23
BE31763-BLK1	Blank	05/26/23
BE31763-DUP1	Duplicate	05/26/23

Batch ID: BE31769 **Preparation Method:** EPA 245.1 Mercury **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/26/23
23E1224-02	Blind Duplicate-1-5-18-23	05/26/23
23E1224-03	EN1-M-5-18-23	05/26/23
23E1224-04	EN7-M-5-18-23	05/26/23
23E1224-05	EN-10M-5-18-23	05/26/23
BE31769-BLK1	Blank	05/26/23
BE31769-BS1	LCS	05/26/23
BE31769-DUP1	Duplicate	05/26/23
BE31769-MS1	Matrix Spike	05/26/23
BE31769-MSD1	Matrix Spike Dup	05/26/23

Batch ID: BE31854 **Preparation Method:** EPA 200.7 **Prepared By:** MCS



YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/30/23
23E1224-02	Blind Duplicate-1-5-18-23	05/30/23
23E1224-03	EN1-M-5-18-23	05/30/23
23E1224-04	EN7-M-5-18-23	05/30/23
23E1224-05	EN-10M-5-18-23	05/30/23
BE31854-BLK1	Blank	05/30/23
BE31854-DUP1	Duplicate	05/30/23

Batch ID: BE31867

Preparation Method: EPA 3015A

Prepared By: MCS

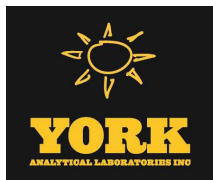
YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/30/23
23E1224-02	Blind Duplicate-1-5-18-23	05/30/23
23E1224-03	EN1-M-5-18-23	05/30/23
23E1224-04	EN7-M-5-18-23	05/30/23
23E1224-05	EN-10M-5-18-23	05/30/23
BE31867-BLK1	Blank	05/30/23
BE31867-BS1	LCS	05/30/23
BE31867-DUP1	Duplicate	05/30/23
BE31867-MS1	Matrix Spike	05/30/23
BE31867-PS1	Post Spike	05/30/23

Batch ID: BE31868

Preparation Method: EPA 3015A

Prepared By: MCS

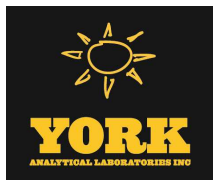
YORK Sample ID	Client Sample ID	Preparation Date
23E1224-01	Field Blank-5-18-23	05/30/23
23E1224-02	Blind Duplicate-1-5-18-23	05/30/23
23E1224-03	EN1-M-5-18-23	05/30/23
23E1224-04	EN7-M-5-18-23	05/30/23
23E1224-05	EN-10M-5-18-23	05/30/23
BE31868-BLK1	Blank	05/30/23
BE31868-BS1	LCS	05/30/23
BE31868-DUP1	Duplicate	05/30/23
BE31868-MS1	Matrix Spike	05/30/23



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 BE31543 - EPA 5030B											
Blank (BE31543-BLK1)						Prepared & Analyzed: 05/23/2023					
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	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	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	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	0.89	0.50	"								
Naphthalene	ND	2.0	"								
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	10.2		"	10.0		102	78-126				
Surrogate: SURR: Toluene-d8	9.36		"	10.0		93.6	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.71		"	10.0		97.1	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

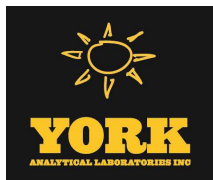
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31543 - EPA 5030B

LCS (BE31543-BS1)

Prepared & Analyzed: 05/23/2023

1,1,1-Trichloroethane	24.3		ug/L	20.0		121	75-125				
1,1,2,2-Tetrachloroethane	23.4		"	20.0		117	60-140				
1,1,2-Trichloroethane	21.8		"	20.0		109	71-129				
1,1-Dichloroethane	22.4		"	20.0		112	72-128				
1,1-Dichloroethylene	24.8		"	20.0		124	50-150				
1,2-Dichlorobenzene	21.0		"	20.0		105	63-137				
1,2-Dichloroethane	24.2		"	20.0		121	68-132				
1,2-Dichloropropane	21.3		"	20.0		106	34-166				
1,3-Dichlorobenzene	21.1		"	20.0		106	73-127				
1,4-Dichlorobenzene	20.8		"	20.0		104	63-137				
2-Chloroethylvinyl ether	0.00		"	20.0			20-224				Low Bias
Acrolein	36.4		"	20.0		182	70-130				High Bias
Acrylonitrile	25.2		"	20.0		126	70-130				
Benzene	23.6		"	20.0		118	64-136				
Bromochloromethane	23.9		"	20.0		119	77-128				
Bromodichloromethane	21.2		"	20.0		106	65-135				
Bromoform	23.1		"	20.0		116	71-129				
Bromomethane	20.3		"	20.0		102	14-186				
Carbon tetrachloride	24.7		"	20.0		124	73-127				
Chlorobenzene	22.0		"	20.0		110	66-134				
Chloroethane	21.2		"	20.0		106	38-162				
Chloroform	22.9		"	20.0		114	67-133				
Chloromethane	18.5		"	20.0		92.4	0.5-204				
cis-1,2-Dichloroethylene	23.3		"	20.0		116	70-130				
cis-1,3-Dichloropropylene	21.2		"	20.0		106	24-176				
Dibromochloromethane	22.7		"	20.0		114	67-133				
Ethyl Benzene	21.2		"	20.0		106	59-141				
Methyl tert-butyl ether (MTBE)	24.0		"	20.0		120	70-130				
Methylene chloride	23.8		"	20.0		119	60-140				
Naphthalene	21.5		"	20.0		107	70-130				
o-Xylene	21.2		"	20.0		106	70-130				
p- & m- Xylenes	41.8		"	40.0		105	70-130				
Tetrachloroethylene	12.8		"	20.0		63.8	73-127				Low Bias
Toluene	20.9		"	20.0		104	74-126				
trans-1,2-Dichloroethylene	23.6		"	20.0		118	69-131				
trans-1,3-Dichloropropylene	21.8		"	20.0		109	50-150				
Trichloroethylene	20.4		"	20.0		102	66-134				
Trichlorofluoromethane	23.9		"	20.0		119	48-152				
Vinyl Chloride	21.6		"	20.0		108	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	78-126				
Surrogate: SURR: Toluene-d8	9.51		"	10.0		95.1	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.72		"	10.0		97.2	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

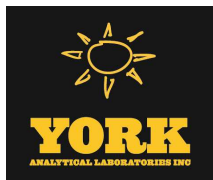
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31543 - EPA 5030B

LCS Dup (BE31543-BSD1)

Prepared & Analyzed: 05/23/2023

1,1,1-Trichloroethane	23.4		ug/L	20.0		117	75-125		3.44	30	
1,1,2,2-Tetrachloroethane	23.0		"	20.0		115	60-140		1.38	30	
1,1,2-Trichloroethane	21.6		"	20.0		108	71-129		0.691	30	
1,1-Dichloroethane	21.8		"	20.0		109	72-128		2.85	30	
1,1-Dichloroethylene	23.6		"	20.0		118	50-150		4.91	30	
1,2-Dichlorobenzene	20.7		"	20.0		104	63-137		1.34	30	
1,2-Dichloroethane	23.9		"	20.0		119	68-132		1.21	30	
1,2-Dichloropropane	21.3		"	20.0		106	34-166		0.0940	30	
1,3-Dichlorobenzene	20.6		"	20.0		103	73-127		2.64	30	
1,4-Dichlorobenzene	20.4		"	20.0		102	63-137		2.13	30	
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias		30	
Acrolein	35.1		"	20.0		176	70-130	High Bias	3.69	30	
Acrylonitrile	24.5		"	20.0		122	70-130		2.62	30	
Benzene	22.8		"	20.0		114	64-136		3.36	30	
Bromochloromethane	23.0		"	20.0		115	77-128		3.84	30	
Bromodichloromethane	21.3		"	20.0		107	65-135		0.423	30	
Bromoform	23.7		"	20.0		118	71-129		2.43	30	
Bromomethane	19.7		"	20.0		98.6	14-186		2.90	30	
Carbon tetrachloride	23.9		"	20.0		119	73-127		3.54	30	
Chlorobenzene	21.7		"	20.0		108	66-134		1.37	30	
Chloroethane	20.4		"	20.0		102	38-162		3.70	30	
Chloroform	22.6		"	20.0		113	67-133		1.14	30	
Chloromethane	18.0		"	20.0		90.2	0.5-204		2.47	30	
cis-1,2-Dichloroethylene	22.6		"	20.0		113	70-130		2.97	30	
cis-1,3-Dichloropropylene	21.2		"	20.0		106	24-176		0.378	30	
Dibromochloromethane	22.2		"	20.0		111	67-133		2.50	30	
Ethyl Benzene	20.7		"	20.0		103	59-141		2.82	30	
Methyl tert-butyl ether (MTBE)	23.3		"	20.0		117	70-130		2.66	30	
Methylene chloride	23.5		"	20.0		118	60-140		1.44	30	
Naphthalene	21.8		"	20.0		109	70-130		1.66	30	
o-Xylene	20.9		"	20.0		104	70-130		1.62	30	
p- & m- Xylenes	41.3		"	40.0		103	70-130		1.35	30	
Tetrachloroethylene	12.4		"	20.0		62.0	73-127	Low Bias	3.02	30	
Toluene	20.5		"	20.0		103	74-126		1.74	30	
trans-1,2-Dichloroethylene	23.0		"	20.0		115	69-131		2.83	30	
trans-1,3-Dichloropropylene	21.3		"	20.0		107	50-150		1.99	30	
Trichloroethylene	20.4		"	20.0		102	66-134		0.196	30	
Trichlorofluoromethane	22.9		"	20.0		115	48-152		3.93	30	
Vinyl Chloride	19.9		"	20.0		99.5	4-196		8.42	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.0		"	10.0		100	78-126				
Surrogate: SURR: Toluene-d8	9.48		"	10.0		94.8	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.93		"	10.0		99.3	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

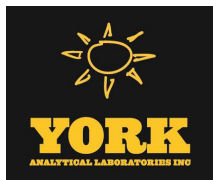
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31703 - EPA 5030B

Blank (BE31703-BLK1)

Prepared & Analyzed: 05/25/2023

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	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	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	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	0.50	"								
Naphthalene	ND	2.0	"								
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	10.3		"	10.0		103	78-126				
Surrogate: SURR: Toluene-d8	9.00		"	10.0		90.0	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

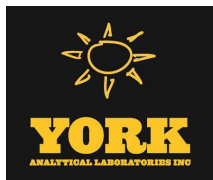
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31703 - EPA 5030B

LCS (BE31703-BS1)

Prepared & Analyzed: 05/25/2023

1,1,1-Trichloroethane	25.9		ug/L	20.0		130	75-125	High Bias			
1,1,2,2-Tetrachloroethane	21.7		"	20.0		109	60-140				
1,1,2-Trichloroethane	20.7		"	20.0		104	71-129				
1,1-Dichloroethane	23.5		"	20.0		118	72-128				
1,1-Dichloroethylene	25.6		"	20.0		128	50-150				
1,2-Dichlorobenzene	20.3		"	20.0		101	63-137				
1,2-Dichloroethane	24.6		"	20.0		123	68-132				
1,2-Dichloropropane	21.4		"	20.0		107	34-166				
1,3-Dichlorobenzene	20.8		"	20.0		104	73-127				
1,4-Dichlorobenzene	20.5		"	20.0		103	63-137				
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias			
Acrolein	31.9		"	20.0		160	70-130	High Bias			
Acrylonitrile	24.6		"	20.0		123	70-130				
Benzene	24.8		"	20.0		124	64-136				
Bromochloromethane	24.2		"	20.0		121	77-128				
Bromodichloromethane	21.2		"	20.0		106	65-135				
Bromoform	22.2		"	20.0		111	71-129				
Bromomethane	21.3		"	20.0		106	14-186				
Carbon tetrachloride	26.4		"	20.0		132	73-127	High Bias			
Chlorobenzene	22.2		"	20.0		111	66-134				
Chloroethane	21.9		"	20.0		110	38-162				
Chloroform	24.2		"	20.0		121	67-133				
Chloromethane	18.4		"	20.0		91.8	0.5-204				
cis-1,2-Dichloroethylene	24.6		"	20.0		123	70-130				
cis-1,3-Dichloropropylene	21.0		"	20.0		105	24-176				
Dibromochloromethane	21.4		"	20.0		107	67-133				
Ethyl Benzene	21.6		"	20.0		108	59-141				
Methyl tert-butyl ether (MTBE)	22.7		"	20.0		114	70-130				
Methylene chloride	23.8		"	20.0		119	60-140				
Naphthalene	20.0		"	20.0		99.8	70-130				
o-Xylene	21.5		"	20.0		107	70-130				
p- & m- Xylenes	42.4		"	40.0		106	70-130				
Tetrachloroethylene	13.1		"	20.0		65.3	73-127	Low Bias			
Toluene	21.2		"	20.0		106	74-126				
trans-1,2-Dichloroethylene	25.1		"	20.0		125	69-131				
trans-1,3-Dichloropropylene	20.6		"	20.0		103	50-150				
Trichloroethylene	21.0		"	20.0		105	66-134				
Trichlorofluoromethane	24.4		"	20.0		122	48-152				
Vinyl Chloride	21.2		"	20.0		106	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.70		"	10.0		97.0	78-126				
Surrogate: SURR: Toluene-d8	9.31		"	10.0		93.1	84-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	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 BE31703 - EPA 5030B											
LCS Dup (BE31703-BSD1)						Prepared & Analyzed: 05/25/2023					
1,1,1-Trichloroethane	24.6		ug/L	20.0		123	75-125		5.27	30	
1,1,2,2-Tetrachloroethane	22.7		"	20.0		114	60-140		4.59	30	
1,1,2-Trichloroethane	21.7		"	20.0		108	71-129		4.53	30	
1,1-Dichloroethane	22.6		"	20.0		113	72-128		3.81	30	
1,1-Dichloroethylene	24.4		"	20.0		122	50-150		4.88	30	
1,2-Dichlorobenzene	20.2		"	20.0		101	63-137		0.296	30	
1,2-Dichloroethane	25.5		"	20.0		128	68-132		3.67	30	
1,2-Dichloropropane	20.7		"	20.0		104	34-166		3.13	30	
1,3-Dichlorobenzene	20.0		"	20.0		100	73-127		4.02	30	
1,4-Dichlorobenzene	19.9		"	20.0		99.6	63-137		2.97	30	
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias		30	
Acrolein	19.7		"	20.0		98.6	70-130		47.2	30	Non-dir.
Acrylonitrile	26.0		"	20.0		130	70-130		5.42	30	
Benzene	24.0		"	20.0		120	64-136		3.52	30	
Bromochloromethane	24.8		"	20.0		124	77-128		2.33	30	
Bromodichloromethane	21.2		"	20.0		106	65-135		0.283	30	
Bromoform	23.8		"	20.0		119	71-129		6.65	30	
Bromomethane	19.9		"	20.0		99.4	14-186		6.95	30	
Carbon tetrachloride	25.4		"	20.0		127	73-127		3.98	30	
Chlorobenzene	21.5		"	20.0		108	66-134		3.38	30	
Chloroethane	20.6		"	20.0		103	38-162		5.97	30	
Chloroform	23.8		"	20.0		119	67-133		1.42	30	
Chloromethane	17.6		"	20.0		88.0	0.5-204		4.28	30	
cis-1,2-Dichloroethylene	23.8		"	20.0		119	70-130		3.39	30	
cis-1,3-Dichloropropylene	20.9		"	20.0		105	24-176		0.524	30	
Dibromochloromethane	22.6		"	20.0		113	67-133		5.37	30	
Ethyl Benzene	20.3		"	20.0		102	59-141		5.82	30	
Methyl tert-butyl ether (MTBE)	25.7		"	20.0		128	70-130		12.1	30	
Methylene chloride	23.6		"	20.0		118	60-140		0.760	30	
Naphthalene	22.2		"	20.0		111	70-130		10.7	30	
o-Xylene	20.7		"	20.0		103	70-130		3.80	30	
p- & m- Xylenes	40.2		"	40.0		100	70-130		5.52	30	
Tetrachloroethylene	12.2		"	20.0		61.0	73-127	Low Bias	6.81	30	
Toluene	20.1		"	20.0		100	74-126		5.33	30	
trans-1,2-Dichloroethylene	23.9		"	20.0		120	69-131		4.86	30	
trans-1,3-Dichloropropylene	21.5		"	20.0		108	50-150		4.27	30	
Trichloroethylene	19.8		"	20.0		98.8	66-134		5.85	30	
Trichlorofluoromethane	23.0		"	20.0		115	48-152		5.98	30	
Vinyl Chloride	19.3		"	20.0		96.6	4-196		9.18	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.1		"	10.0		101	78-126				
Surrogate: SURR: Toluene-d8	9.09		"	10.0		90.9	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.67		"	10.0		96.7	71-130				



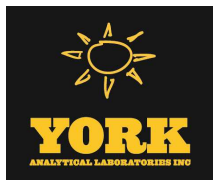
Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

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

Batch BE31703 - EPA 5030B

Matrix Spike (BE31703-MS1)		*Source sample: 23E1224-03 (EN1-M-5-18-23)					Prepared & Analyzed: 05/25/2023				
1,1,1-Trichloroethane	34.6		ug/L	20.0	0.00	173	52-162	High Bias			
1,1,2,2-Tetrachloroethane	29.0		"	20.0	0.00	145	46-157				
1,1,2-Trichloroethane	28.4		"	20.0	0.00	142	52-150				
1,1-Dichloroethane	32.1		"	20.0	0.00	160	59-155	High Bias			
1,1-Dichloroethylene	34.0		"	20.0	0.00	170	0.5-234				
1,2-Dichlorobenzene	24.9		"	20.0	0.00	124	18-190				
1,2-Dichloroethane	34.0		"	20.0	0.00	170	49-155	High Bias			
1,2-Dichloropropane	28.2		"	20.0	0.00	141	0.5-210				
1,3-Dichlorobenzene	24.5		"	20.0	0.00	122	59-156				
1,4-Dichlorobenzene	24.1		"	20.0	0.00	121	18-190				
2-Chloroethylvinyl ether	0.00		"	20.0	0.00		20-305	Low Bias			
Acrolein	44.0		"	20.0	0.00	220	70-130	High Bias			
Acrylonitrile	33.4		"	20.0	0.00	167	70-130	High Bias			
Benzene	33.4		"	20.0	0.00	167	37-151	High Bias			
Bromochloromethane	32.9		"	20.0	0.00	164	75-121	High Bias			
Bromodichloromethane	28.3		"	20.0	0.00	142	35-155				
Bromoform	29.8		"	20.0	0.00	149	45-169				
Bromomethane	26.3		"	20.0	0.00	131	0.5-242				
Carbon tetrachloride	35.1		"	20.0	0.00	176	70-140	High Bias			
Chlorobenzene	28.3		"	20.0	0.00	142	37-160				
Chloroethane	29.8		"	20.0	0.00	149	14-230				
Chloroform	34.1		"	20.0	1.16	165	51-138	High Bias			
Chloromethane	23.5		"	20.0	0.00	118	0.5-273				
cis-1,2-Dichloroethylene	32.6		"	20.0	0.00	163	70-130	High Bias			
cis-1,3-Dichloropropylene	27.0		"	20.0	0.00	135	0.5-227				
Dibromochloromethane	29.5		"	20.0	0.00	147	53-149				
Ethyl Benzene	26.8		"	20.0	0.00	134	37-162				
Methyl tert-butyl ether (MTBE)	32.7		"	20.0	0.00	164	70-130	High Bias			
Methylene chloride	31.5		"	20.0	0.190	157	0.5-221				
Naphthalene	24.8		"	20.0	0.00	124	70-130				
o-Xylene	27.2		"	20.0	0.00	136	70-130	High Bias			
p- & m- Xylenes	52.4		"	40.0	0.00	131	70-130	High Bias			
Tetrachloroethylene	15.8		"	20.0	0.00	78.8	64-148				
Toluene	27.4		"	20.0	0.00	137	70-130	High Bias			
trans-1,2-Dichloroethylene	32.9		"	20.0	0.00	164	54-156	High Bias			
trans-1,3-Dichloropropylene	27.2		"	20.0	0.00	136	17-183				
Trichloroethylene	26.5		"	20.0	0.00	132	71-157				
Trichlorofluoromethane	32.1		"	20.0	0.00	161	17-181				
Vinyl Chloride	29.0		"	20.0	0.00	145	0.5-251				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	78-126				
Surrogate: SURR: Toluene-d8	9.04		"	10.0		90.4	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.77		"	10.0		97.7	71-130				



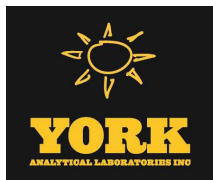
Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

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

Batch BE31703 - EPA 5030B

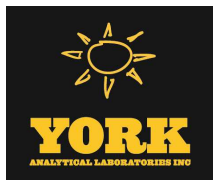
Matrix Spike Dup (BE31703-MSD1)		*Source sample: 23E1224-03 (EN1-M-5-18-23)					Prepared & Analyzed: 05/25/2023				
1,1,1-Trichloroethane	30.3		ug/L	20.0	0.00	152	52-162		13.2	30	
1,1,2,2-Tetrachloroethane	25.4		"	20.0	0.00	127	46-157		13.3	30	
1,1,2-Trichloroethane	24.5		"	20.0	0.00	122	52-150		15.0	30	
1,1-Dichloroethane	27.8		"	20.0	0.00	139	59-155		14.3	30	
1,1-Dichloroethylene	29.5		"	20.0	0.00	147	0.5-234		14.3	30	
1,2-Dichlorobenzene	22.6		"	20.0	0.00	113	18-190		9.73	30	
1,2-Dichloroethane	28.9		"	20.0	0.00	145	49-155		16.0	30	
1,2-Dichloropropane	24.2		"	20.0	0.00	121	0.5-210		15.2	30	
1,3-Dichlorobenzene	21.9		"	20.0	0.00	110	59-156		11.2	30	
1,4-Dichlorobenzene	21.9		"	20.0	0.00	110	18-190		9.47	30	
2-Chloroethylvinyl ether	0.00		"	20.0	0.00		20-305	Low Bias		30	
Acrolein	38.1		"	20.0	0.00	191	70-130	High Bias	14.4	30	
Acrylonitrile	28.8		"	20.0	0.00	144	70-130	High Bias	14.8	30	
Benzene	28.8		"	20.0	0.00	144	37-151		14.7	30	
Bromochloromethane	28.2		"	20.0	0.00	141	75-121	High Bias	15.2	30	
Bromodichloromethane	24.5		"	20.0	0.00	122	35-155		14.6	30	
Bromoform	25.6		"	20.0	0.00	128	45-169		15.1	30	
Bromomethane	24.5		"	20.0	0.00	123	0.5-242		6.77	30	
Carbon tetrachloride	30.9		"	20.0	0.00	155	70-140	High Bias	12.7	30	
Chlorobenzene	24.8		"	20.0	0.00	124	37-160		13.3	30	
Chloroethane	25.2		"	20.0	0.00	126	14-230		16.7	30	
Chloroform	29.7		"	20.0	1.16	143	51-138	High Bias	13.7	30	
Chloromethane	20.5		"	20.0	0.00	102	0.5-273		13.9	30	
cis-1,2-Dichloroethylene	28.0		"	20.0	0.00	140	70-130	High Bias	15.1	30	
cis-1,3-Dichloropropylene	23.4		"	20.0	0.00	117	0.5-227		14.2	30	
Dibromochloromethane	25.4		"	20.0	0.00	127	53-149		14.7	30	
Ethyl Benzene	23.8		"	20.0	0.00	119	37-162		12.2	30	
Methyl tert-butyl ether (MTBE)	28.7		"	20.0	0.00	143	70-130	High Bias	13.2	30	
Methylene chloride	27.6		"	20.0	0.190	137	0.5-221		13.1	30	
Naphthalene	23.7		"	20.0	0.00	118	70-130		4.66	30	
o-Xylene	24.0		"	20.0	0.00	120	70-130		12.8	30	
p- & m- Xylenes	46.3		"	40.0	0.00	116	70-130		12.3	30	
Tetrachloroethylene	14.2		"	20.0	0.00	70.8	64-148		10.8	30	
Toluene	23.4		"	20.0	0.00	117	70-130		15.5	30	
trans-1,2-Dichloroethylene	29.0		"	20.0	0.00	145	54-156		12.5	30	
trans-1,3-Dichloropropylene	23.7		"	20.0	0.00	118	17-183		13.9	30	
Trichloroethylene	23.2		"	20.0	0.00	116	71-157		13.3	30	
Trichlorofluoromethane	27.8		"	20.0	0.00	139	17-181		14.3	30	
Vinyl Chloride	23.6		"	20.0	0.00	118	0.5-251		20.5	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.83		"	10.0		98.3	78-126				
Surrogate: SURR: Toluene-d8	9.04		"	10.0		90.4	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.79		"	10.0		97.9	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 BE31692 - EPA 3535A											
Blank (BE31692-BLK1)						Prepared: 05/25/2023 Analyzed: 05/29/2023					
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	4.13		"	4.00		103	36.6-118				
LCS (BE31692-BS1)						Prepared: 05/25/2023 Analyzed: 05/29/2023					
1,4-Dioxane	4.69	0.300	ug/L	4.00		117	50-130				
Surrogate: 1,4-Dioxane-d8	3.69		"	4.00		92.2	36.6-118				
Matrix Spike (BE31692-MS1)						*Source sample: 23E1148-03 (Matrix Spike) Prepared: 05/25/2023 Analyzed: 05/29/2023					
1,4-Dioxane	4.51	0.300	ug/L	4.00	ND	113	50-130				
Surrogate: 1,4-Dioxane-d8	3.98		"	4.00		99.6	50-130				
Matrix Spike (BE31692-MS2)						*Source sample: 23E1224-03 (EN1-M-5-18-23) Prepared: 05/25/2023 Analyzed: 05/29/2023					
1,4-Dioxane	4.61	0.300	ug/L	4.00	0.320	107	50-130				
Surrogate: 1,4-Dioxane-d8	3.81		"	4.00		95.2	50-130				
Matrix Spike Dup (BE31692-MSD1)						*Source sample: 23E1148-03 (Matrix Spike Dup) Prepared: 05/25/2023 Analyzed: 05/29/2023					
1,4-Dioxane	4.48	0.300	ug/L	4.00	ND	112	50-130		0.712	30	
Surrogate: 1,4-Dioxane-d8	4.00		"	4.00		100	50-130				
Matrix Spike Dup (BE31692-MSD2)						*Source sample: 23E1224-03 (EN1-M-5-18-23) Prepared: 05/25/2023 Analyzed: 05/29/2023					
1,4-Dioxane	4.64	0.300	ug/L	4.00	0.320	108	50-130		0.692	30	
Surrogate: 1,4-Dioxane-d8	3.93		"	4.00		98.3	50-130				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

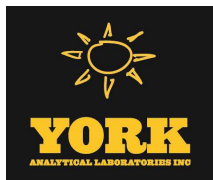
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31667 - EPA 1633 Prep

Blank (BE31667-BLK1)

Prepared: 05/24/2023 Analyzed: 05/26/2023

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	70.0		"	46.6		150	25-150				
Surrogate: M5PFHxA	65.4		"	50.0		131	25-150				
Surrogate: M4PFHpA	60.6		"	50.0		121	25-150				
Surrogate: M3PFHxS	66.5		"	47.4		140	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	54.6		"	50.0		109	25-150				
Surrogate: M6PFDA	25.9		"	25.0		104	25-150				
Surrogate: M7PFUdA	33.1		"	25.0		132	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 BE31667 - EPA 1633 Prep

Blank (BE31667-BLK1)

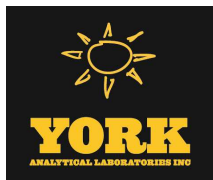
Prepared: 05/24/2023 Analyzed: 05/26/2023

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	27.9		ng/L	25.0		111	25-150				
Surrogate: M2PFTeDA	25.0		"	25.0		99.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	183		"	200		91.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	51.8		"	47.9		108	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	133		"	100		133	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	52.7		"	50.0		105	10-150				
Surrogate: d3-N-MeFOSAA	107		"	100		107	25-150				
Surrogate: d5-N-EtFOSAA	97.5		"	100		97.5	25-150				
Surrogate: M2-6:2 FTS	98.0		"	95.1		103	25-200				
Surrogate: M2-8:2 FTS	92.7		"	96.0		96.6	25-200				
Surrogate: M9PFNA	39.0		"	25.0		156	25-150				
Surrogate: M2-4:2 FTS	97.4		"	93.8		104	25-150				
Surrogate: d-N-MeFOSA	36.1		"	50.0		72.1	25-150				
Surrogate: d-N-EtFOSA	114		"	50.0		228	25-150				
Surrogate: M3HFPO-DA	240		"	200		120	25-150				
Surrogate: d9-N-EtFOSE	397		"	500		79.4	25-150				
Surrogate: d7-N-MeFOSE	380		"	500		75.9	25-150				

LCS (BE31667-BS1)

Prepared: 05/24/2023 Analyzed: 05/26/2023

Perfluorobutanesulfonic acid (PFBS)	52.6	3.54	ng/L	70.8		74.3	50-150				
Perfluorohexanoic acid (PFHxA)	73.8	4.00	"	80.0		92.2	50-150				
Perfluoroheptanoic acid (PFHpA)	60.4	4.00	"	80.0		75.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	58.8	3.66	"	73.2		80.3	50-150				
Perfluorooctanoic acid (PFOA)	64.3	4.00	"	80.0		80.4	50-150				
Perfluorooctanesulfonic acid (PFOS)	66.5	3.72	"	74.4		89.4	50-150				
Perfluorononanoic acid (PFNA)	43.4	4.00	"	80.0		54.3	50-150				
Perfluorodecanoic acid (PFDA)	72.6	4.00	"	80.0		90.7	50-150				
Perfluoroundecanoic acid (PFUnA)	72.0	4.00	"	80.0		90.0	50-150				
Perfluorododecanoic acid (PFDoA)	58.2	4.00	"	80.0		72.8	50-150				
Perfluorotridecanoic acid (PFTriDA)	77.6	4.00	"	80.0		97.0	50-150				
Perfluorotetradecanoic acid (PFTA)	52.2	4.00	"	80.0		65.3	50-150				
N-MeFOSAA	69.3	4.00	"	80.0		86.7	50-150				
N-EtFOSAA	73.5	4.00	"	80.0		91.9	50-150				
Perfluoropentanoic acid (PFPeA)	123	8.00	"	160		76.7	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	48.8	4.00	"	80.0		61.1	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	68.1	3.82	"	76.4		89.1	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	64.5	3.86	"	77.2		83.5	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	234	15.2	"	304		77.0	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	229	15.4	"	307		74.5	50-150				
Perfluoro-n-butanoic acid (PFBA)	251	16.0	"	320		78.4	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	126	7.12	"	142		88.7	50-150				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	146	8.00	"	160		91.0	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	107	8.00	"	160		67.1	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	128	8.00	"	160		80.3	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	57.6	3.76	"	75.2		76.6	50-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

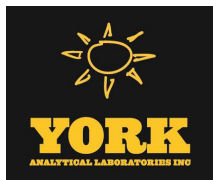
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31667 - EPA 1633 Prep

LCS (BE31667-BS1)

Prepared: 05/24/2023 Analyzed: 05/26/2023

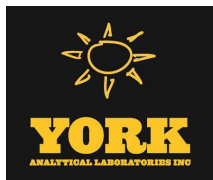
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	236	15.0	ng/L	300		78.7	50-150				
HFPO-DA (Gen-X)	138	16.0	"	160		86.0	50-150				
11CL-PF3OUdS	87.7	15.1	"	151		58.0	50-150				
9CL-PF3ONS	151	15.0	"	150		101	50-150				
ADONA	118	15.1	"	151		78.3	50-150				
Perfluorododecanesulfonic acid (PFDoS)	71.4	3.88	"	77.6		92.0	50-150				
Perfluoro-1-nonanesulfonic acid (PFNS)	81.5	3.84	"	76.8		106	50-150				
3-Perfluoropropyl propanoic acid (FPrPA)	1110	10.0	"	320		345	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	1320	50.0	"	1600		82.8	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	206	50.0	"	1600		12.9	50-150	Low Bias			
N-MeFOSE	623	40.0	"	800		77.9	50-150				
N-MeFOSA	55.3	4.00	"	80.0		69.1	50-150				
N-EtFOSE	527	40.0	"	800		65.8	50-150				
N-EtFOSA	38.4	4.00	"	80.0		48.0	50-150	Low Bias			
Surrogate: M3PFBS	63.7		"	46.6		137	25-150				
Surrogate: M5PFHxA	53.2		"	50.0		106	25-150				
Surrogate: M4PFHpA	56.3		"	50.0		113	25-150				
Surrogate: M3PFHxS	55.3		"	47.4		117	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	50.4		"	50.0		101	25-150				
Surrogate: M6PFDA	24.0		"	25.0		96.0	25-150				
Surrogate: M7PFUdA	29.3		"	25.0		117	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.9		"	25.0		104	25-150				
Surrogate: M2PFTeDA	24.0		"	25.0		96.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	101		"	200		50.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	47.7		"	47.9		99.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	116		"	100		116	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	47.3		"	50.0		94.7	10-150				
Surrogate: d3-N-MeFOSAA	88.6		"	100		88.7	25-150				
Surrogate: d5-N-EtFOSAA	83.4		"	100		83.5	25-150				
Surrogate: M2-6:2 FTS	105		"	95.1		110	25-200				
Surrogate: M2-8:2 FTS	73.4		"	96.0		76.5	25-200				
Surrogate: M9PFNA	32.8		"	25.0		131	25-150				
Surrogate: M2-4:2 FTS	98.3		"	93.8		105	25-150				
Surrogate: d-N-MeFOSA	45.0		"	50.0		90.1	25-150				
Surrogate: d-N-EtFOSA	76.9		"	50.0		154	25-150				
Surrogate: M3HFPO-DA	218		"	200		109	25-150				
Surrogate: d9-N-EtFOSE	379		"	500		75.9	25-150				
Surrogate: d7-N-MeFOSE	350		"	500		69.9	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 BE31667 - EPA 1633 Prep											
LCS (BE31667-BS2)						Prepared: 05/24/2023 Analyzed: 05/26/2023					
Perfluorobutanesulfonic acid (PFBS)	11.8	3.54	ng/L	14.2		83.3	50-150				
Perfluorohexanoic acid (PFHxA)	14.8	4.00	"	16.0		92.7	50-150				
Perfluoroheptanoic acid (PFHpA)	12.1	4.00	"	16.0		75.5	50-150				
Perfluorohexanesulfonic acid (PFHxS)	12.5	3.66	"	14.6		85.2	50-150				
Perfluorooctanoic acid (PFOA)	17.2	4.00	"	16.0		107	50-150				
Perfluorooctanesulfonic acid (PFOS)	15.3	3.72	"	14.9		103	50-150				
Perfluorononanoic acid (PFNA)	13.7	4.00	"	16.0		85.7	50-150				
Perfluorodecanoic acid (PFDA)	15.1	4.00	"	16.0		94.6	50-150				
Perfluoroundecanoic acid (PFUnA)	21.8	4.00	"	16.0		136	50-150				
Perfluorododecanoic acid (PFDoA)	12.0	4.00	"	16.0		75.1	50-150				
Perfluorotridecanoic acid (PFTrDA)	30.0	4.00	"	16.0		187	50-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	10.5	4.00	"	16.0		65.8	50-150				
N-MeFOSAA	17.6	4.00	"	16.0		110	50-150				
N-EtFOSAA	16.3	4.00	"	16.0		102	50-150				
Perfluoropentanoic acid (PFPeA)	29.3	8.00	"	32.0		91.7	50-150				
Perfluoro-1-octanesulfonamide (FOSA)	10.2	4.00	"	16.0		63.7	50-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	19.0	3.82	"	15.3		124	50-150				
Perfluoro-1-decanesulfonic acid (PFDS)	10.3	3.86	"	15.4		66.9	50-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	50.2	15.2	"	60.8		82.6	50-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	51.2	15.4	"	61.4		83.4	50-150				
Perfluoro-n-butanoic acid (PFBA)	60.7	16.0	"	64.0		94.8	50-150				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	26.1	7.12	"	28.5		91.7	50-150				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	30.0	8.00	"	32.0		93.9	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	23.7	8.00	"	32.0		74.2	50-150				
Perfluoro-5-oxahexanoic acid (PFMBA)	28.7	8.00	"	32.0		89.8	50-150				
Perfluoro-1-pentanesulfonate (PFPeS)	13.3	3.76	"	15.0		88.6	50-150				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	66.0	15.0	"	60.0		110	50-150				
HFPO-DA (Gen-X)	33.3	16.0	"	32.0		104	50-150				
11CL-PF3OUdS	17.5	15.1	"	30.2		57.7	50-150				
9CL-PF3ONS	32.2	15.0	"	29.9		108	50-150				
ADONA	27.9	15.1	"	30.2		92.2	50-150				
Perfluorododecanesulfonic acid (PFDoS)	6.50	3.88	"	15.5		41.9	50-150	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	17.6	3.84	"	15.4		114	50-150				
3-Perfluoropropyl propanoic acid (FPPrPA)	222	10.0	"	64.0		347	50-150	High Bias			
3-Perfluoropentyl propanoic acid (FPePA)	269	50.0	"	320		84.2	50-150				
3-Perfluoroheptyl propanoic acid (FHpPA)	41.2	50.0	"	320		12.9	50-150	Low Bias			
N-MeFOSE	142	40.0	"	160		88.7	50-150				
N-MeFOSA	11.7	4.00	"	16.0		73.1	50-150				
N-EtFOSE	109	40.0	"	160		68.0	50-150				
N-EtFOSA	6.98	4.00	"	16.0		43.6	50-150	Low Bias			
Surrogate: M3PFBS	59.1		"	46.6		127	25-150				
Surrogate: M5PFHxA	59.3		"	50.0		119	25-150				
Surrogate: M4PFHpA	58.8		"	50.0		118	25-150				
Surrogate: M3PFHxS	50.3		"	47.4		106	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	43.6		"	50.0		87.3	25-150				
Surrogate: M6PFDA	23.8		"	25.0		95.2	25-150				
Surrogate: M7PFUdA	27.0		"	25.0		108	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 BE31667 - EPA 1633 Prep

LCS (BE31667-BS2)

Prepared: 05/24/2023 Analyzed: 05/26/2023

Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	22.4		ng/L	25.0		89.6	25-150				
Surrogate: M2PFTeDA	8.46		"	25.0		33.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	81.2		"	200		40.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	47.6		"	47.9		99.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	115		"	100		115	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	39.3		"	50.0		78.7	10-150				
Surrogate: d3-N-MeFOSAA	53.1		"	100		53.1	25-150				
Surrogate: d5-N-EtFOSAA	47.3		"	100		47.3	25-150				
Surrogate: M2-6:2 FTS	83.7		"	95.1		88.0	25-200				
Surrogate: M2-8:2 FTS	79.5		"	96.0		82.9	25-200				
Surrogate: M9PFNA	21.7		"	25.0		86.8	25-150				
Surrogate: M2-4:2 FTS	78.0		"	93.8		83.1	25-150				
Surrogate: d-N-MeFOSA	34.3		"	50.0		68.6	25-150				
Surrogate: d-N-EtFOSA	62.7		"	50.0		125	25-150				
Surrogate: M3HFPO-DA	223		"	200		111	25-150				
Surrogate: d9-N-EtFOSE	71.0		"	500		14.2	25-150				
Surrogate: d7-N-MeFOSE	101		"	500		20.1	25-150				

Duplicate (BE31667-DUP1)

*Source sample: 23E1224-03 (EN1-M-5-18-23)

Prepared: 05/24/2023 Analyzed: 05/26/2023

Perfluorobutanesulfonic acid (PFBS)	0.792	1.60	ng/L		0.567				33.1	30	Non-dir.
Perfluorohexanoic acid (PFHxA)	5.11	1.81	"		5.41				5.68	30	
Perfluoroheptanoic acid (PFHpA)	1.64	1.81	"		1.95				17.0	30	
Perfluorohexanesulfonic acid (PFHxS)	7.48	1.66	"		6.94				7.45	30	
Perfluorooctanoic acid (PFOA)	4.60	1.81	"		7.08				42.5	30	Non-dir.
Perfluorooctanesulfonic acid (PFOS)	ND	1.68	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	1.81	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	1.81	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	1.81	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	1.81	"		ND					30	
Perfluorotridecanoic acid (PFTriDA)	ND	1.81	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	1.81	"		ND					30	
N-MeFOSAA	ND	1.81	"		ND					30	
N-EtFOSAA	ND	1.81	"		ND					30	
Perfluoropentanoic acid (PFPeA)	4.17	3.62	"		4.13				0.869	30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.81	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.73	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.75	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	6.87	"		2.77					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	6.95	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	2.82	7.24	"		3.27				14.9	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND	3.22	"		ND					30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	3.62	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	3.62	"		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	3.62	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.70	"		ND					30	



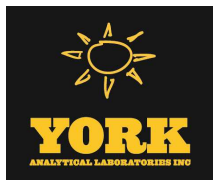
PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

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

Batch BE31667 - EPA 1633 Prep

Duplicate (BE31667-DUP1)	*Source sample: 23E1224-03 (EN1-M-5-18-23)					Prepared: 05/24/2023 Analyzed: 05/26/2023					
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	6.78	ng/L		ND					30	
HFPO-DA (Gen-X)	ND	7.24	"		ND					30	
11CL-PF3OUdS	ND	6.84	"		ND					30	
9CL-PF3ONS	ND	6.77	"		ND					30	
ADONA	ND	6.84	"		ND					30	
Perfluorododecanesulfonic acid (PFDoS)	ND	1.75	"		ND					30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.74	"		ND					30	
3-Perfluoropropyl propanoic acid (FPrPA)	ND	4.52	"		ND					30	
3-Perfluoropentyl propanoic acid (FPePA)	ND	22.6	"		ND					30	
3-Perfluoroheptyl propanoic acid (FHpPA)	ND	22.6	"		ND					30	
N-MeFOSE	ND	18.1	"		ND					30	
N-MeFOSA	ND	1.81	"		ND					30	
N-EtFOSE	ND	18.1	"		ND					30	
N-EtFOSA	ND	1.81	"		ND					30	
Surrogate: M3PFBS	35.8		"	21.1		170	25-150				
Surrogate: M5PFHxA	24.7		"	22.6		109	25-150				
Surrogate: M4PFHpA	25.5		"	22.6		113	25-150				
Surrogate: M3PFHxS	33.1		"	21.4		154	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	25.1		"	22.6		111	25-150				
Surrogate: M6PFDA	12.3		"	11.3		108	25-150				
Surrogate: M7PFUdA	8.02		"	11.3		70.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7.48		"	11.3		66.2	25-150				
Surrogate: M2PFTeDA	4.32		"	11.3		38.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	30.9		"	90.5		34.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.1		"	21.7		97.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	53.6		"	45.2		118	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	19.5		"	22.6		86.4	10-150				
Surrogate: d3-N-MeFOSAA	24.6		"	45.2		54.4	25-150				
Surrogate: d5-N-EtFOSAA	25.8		"	45.2		57.0	25-150				
Surrogate: M2-6:2 FTS	49.6		"	43.0		115	25-200				
Surrogate: M2-8:2 FTS	38.4		"	43.4		88.3	25-200				
Surrogate: M9PFNA	14.3		"	11.3		127	25-150				
Surrogate: M2-4:2 FTS	49.1		"	42.4		116	25-150				
Surrogate: d-N-MeFOSA	16.8		"	22.6		74.1	25-150				
Surrogate: d-N-EtFOSA	28.0		"	22.6		124	25-150				
Surrogate: M3HFPO-DA	103		"	90.5		113	25-150				
Surrogate: d9-N-EtFOSE	78.5		"	226		34.7	25-150				
Surrogate: d7-N-MeFOSE	80.8		"	226		35.7	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 BE31854 - EPA 200.7

Blank (BE31854-BLK1)

Prepared & Analyzed: 05/30/2023

Hardness, Total ND 1.11 mg/L

Duplicate (BE31854-DUP1) *Source sample: 23E1224-03 (EN1-M-5-18-23)

Prepared & Analyzed: 05/30/2023

Hardness, Total ND 1.11 mg/L 98.5 20

Batch BE31867 - EPA 3015A

Blank (BE31867-BLK1)

Prepared & Analyzed: 05/30/2023

Aluminum ND 0.0556 mg/L
Calcium ND 0.0556 "
Chromium ND 0.00556 "
Iron ND 0.278 "
Magnesium ND 0.0556 "
Potassium 0.0589 0.0556 "
Sodium ND 0.556 "

LCS (BE31867-BS1)

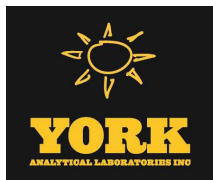
Prepared & Analyzed: 05/30/2023

Aluminum 1.82 ug/mL 2.00 90.9 80-120
Calcium 0.928 " 1.00 92.8 80-120
Chromium 0.181 " 0.200 90.5 80-120
Iron 0.906 " 1.00 90.6 80-120
Magnesium 0.922 " 1.00 92.2 80-120
Potassium 1.00 " 1.00 100 80-120
Sodium 1.17 " 1.00 117 80-120

Duplicate (BE31867-DUP1) *Source sample: 23E1224-03 (EN1-M-5-18-23)

Prepared & Analyzed: 05/30/2023

Aluminum 0.109 0.0556 mg/L 0.0779 33.4 20 Non-dir.
Calcium 25.8 0.0556 " 26.4 2.31 20
Chromium 0.0880 0.00556 " ND 20
Iron 0.708 0.278 " 0.596 17.2 20
Magnesium 10.3 0.0556 " 10.4 0.476 20
Potassium 1.70 0.0556 " 1.61 5.44 20
Sodium 24.9 0.556 " 25.6 2.84 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

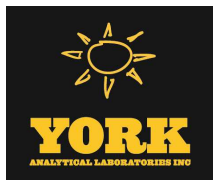
Batch BE31867 - EPA 3015A

Matrix Spike (BE31867-MS1)	*Source sample: 23E1224-03 (EN1-M-5-18-23)	Prepared & Analyzed: 05/30/2023

Aluminum	2.60	0.0556	mg/L	2.22	0.0779	113	75-125	
Chromium	0.491	0.00556	"	0.222	ND	221	75-125	High Bias
Iron	2.60	0.278	"	1.11	0.596	181	75-125	High Bias

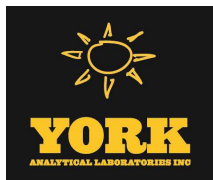
Post Spike (BE31867-PS1)	*Source sample: 23E1224-03 (EN1-M-5-18-23)	Prepared & Analyzed: 05/30/2023

Aluminum	1.98		ug/mL	2.00	0.0701	95.3	75-125	
Calcium	24.1		"	1.00	23.8	37.7	75-125	Low Bias
Chromium	0.241		"	0.200	0.00447	118	75-125	
Iron	1.47		"	1.00	0.536	92.9	75-125	
Magnesium	9.79		"	1.00	9.34	44.9	75-125	Low Bias
Potassium	2.40		"	1.00	1.45	94.6	75-125	
Sodium	23.1		"	1.00	23.0	10.1	75-125	Low Bias



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

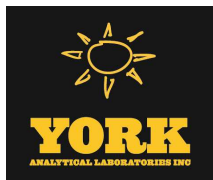
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31868 - EPA 3015A											
Blank (BE31868-BLK1)											
										Prepared & Analyzed: 05/30/2023	
Arsenic	ND	1.11	ug/L								
Cadmium	ND	0.556	"								
Lead	ND	1.11	"								
LCS (BE31868-BS1)											
										Prepared & Analyzed: 05/30/2023	
Arsenic	51.4		ug/L	50.0		103	80-120				
Cadmium	53.8		"	50.0		108	80-120				
Lead	49.9		"	50.0		99.7	80-120				
Duplicate (BE31868-DUP1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)										Prepared & Analyzed: 05/30/2023	
Arsenic	ND	1.11	ug/L		ND						20
Cadmium	ND	0.556	"		ND						20
Lead	1.47	1.11	"		1.50				1.72		20
Matrix Spike (BE31868-MS1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)										Prepared & Analyzed: 05/30/2023	
Arsenic	53.7		ug/L	50.0	0.170	107	75-125				
Cadmium	47.8		"	50.0	0.064	95.4	75-125				
Lead	55.5		"	50.0	1.35	108	75-125				



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

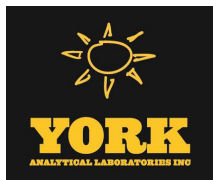
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31769 - EPA 245.1 Mercury											
Blank (BE31769-BLK1)											
								Prepared & Analyzed: 05/26/2023			
Mercury	ND	0.0002000	mg/L								
LCS (BE31769-BS1)											
								Prepared & Analyzed: 05/26/2023			
Mercury	0.001575	0.0002000	mg/L	0.00200		78.8	75-125				
Duplicate (BE31769-DUP1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)								Prepared & Analyzed: 05/26/2023			
Mercury	ND	0.0002000	mg/L		ND					20	
Matrix Spike (BE31769-MS1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)								Prepared & Analyzed: 05/26/2023			
Mercury	0.001904	0.0002000	mg/L	0.00200	ND	95.2	75-125				
Matrix Spike Dup (BE31769-MSD1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)								Prepared & Analyzed: 05/26/2023			
Mercury	0.001885	0.0002000	mg/L	0.00200	ND	94.3	75-125		0.995	20	



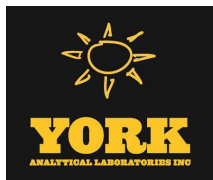
Anions by Ion Chromatography - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31436 - EPA 300											
Blank (BE31436-BLK1)											
										Prepared & Analyzed: 05/19/2023	
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BE31436-BS1)											
										Prepared & Analyzed: 05/19/2023	
Chloride	9.95	0.500	mg/L	10.0		99.5	90-110				
Nitrate as N	9.95	0.0500	"	10.0		99.5	90-110				
Sulfate	10.3	1.00	"	10.0		103	85-115				
Duplicate (BE31436-DUP1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)										Prepared & Analyzed: 05/19/2023	
Chloride	49.9	0.500	mg/L		51.1				2.45	15	
Nitrate as N	6.97	0.0500	"		7.03				0.882	15	
Sulfate	33.5	1.00	"		33.7				0.621	15	
Duplicate (BE31436-DUP2)											
*Source sample: 23E1225-02 (Duplicate)										Prepared & Analyzed: 05/19/2023	
Chloride	58.5	0.500	mg/L		58.4				0.220	15	
Nitrate as N	4.39	0.0500	"		4.34				1.34	15	
Sulfate	25.3	1.00	"		25.5				0.570	15	
Matrix Spike (BE31436-MS1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)										Prepared & Analyzed: 05/19/2023	
Chloride	52.7	0.500	mg/L	10.0	51.1	15.5	85-115	Low Bias			
Nitrate as N	17.6	0.0500	"	10.0	7.03	106	90-110				
Sulfate	40.7	1.00	"	10.0	33.7	69.8	85-115	Low Bias			
Matrix Spike (BE31436-MS2)											
*Source sample: 23E1225-02 (Matrix Spike)										Prepared & Analyzed: 05/19/2023	
Chloride	58.9	0.500	mg/L	10.0	58.4	5.15	85-115	Low Bias			
Nitrate as N	14.6	0.0500	"	10.0	4.34	102	90-110				
Sulfate	33.8	1.00	"	10.0	25.5	82.7	85-115	Low Bias			



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 BE31493 - Analysis Preparation											
Blank (BE31493-BLK1)											
										Prepared & Analyzed: 05/22/2023	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L								
LCS (BE31493-BS1)											
										Prepared & Analyzed: 05/22/2023	
Ammonia Nitrogen as NH3	1.06	0.0500	mg/L				85-125				
Duplicate (BE31493-DUP1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)										Prepared & Analyzed: 05/22/2023	
Ammonia Nitrogen as NH3	0.0596	0.0500	mg/L		ND					15	
Matrix Spike (BE31493-MS1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)										Prepared & Analyzed: 05/22/2023	
Ammonia Nitrogen as NH3	9.63	0.0500	mg/L		ND		80-120				
Matrix Spike Dup (BE31493-MSD1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)										Prepared & Analyzed: 05/22/2023	
Ammonia Nitrogen as NH3	9.63	0.0500	mg/L		ND		80-120		0.00	200	
Batch BE31696 - Analysis Preparation											
Duplicate (BE31696-DUP1)											
*Source sample: 23E1224-03 (EN1-M-5-18-23)										Prepared & Analyzed: 05/25/2023	
Alkalinity, total	30	2.0	mg/L		30				0.00	15	
Reference (BE31696-SRM1)											
										Prepared & Analyzed: 05/25/2023	
Alkalinity, total	60		mg/L	60.8		98.7	90-110				
Batch BE31697 - Analysis Preparation											
Blank (BE31697-BLK1)											
										Prepared & Analyzed: 05/25/2023	
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 BE31697 - Analysis Preparation

Duplicate (BE31697-DUP1)	*Source sample: 23E1224-03 (EN1-M-5-18-23)						Prepared & Analyzed: 05/25/2023				
Bicarbonate	30.0	2.00	mg/L		30.0				0.00	15	

Batch BE31762 - Analysis Preparation

Duplicate (BE31762-DUP1)	*Source sample: 23E1369-07 (Duplicate)						Prepared & Analyzed: 05/26/2023				
Alkalinity, total	44	2.0	mg/L		48				8.70	15	

Reference (BE31762-SRM1)							Prepared & Analyzed: 05/26/2023				
Alkalinity, total	58		mg/L	60.8		95.4	90-110				

Batch BE31763 - Analysis Preparation

Blank (BE31763-BLK1)							Prepared & Analyzed: 05/26/2023				
Bicarbonate	ND	2.00	mg/L								

Duplicate (BE31763-DUP1)	*Source sample: 23E1369-07 (Duplicate)						Prepared & Analyzed: 05/26/2023				
Bicarbonate	44.0	2.00	mg/L		48.0				8.70	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 BE31508 - % Solids Prep

Blank (BE31508-BLK1)

Prepared & Analyzed: 05/22/2023

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BE31508-DUP1)

*Source sample: 23E1224-03 (EN1-M-5-18-23)

Prepared & Analyzed: 05/22/2023

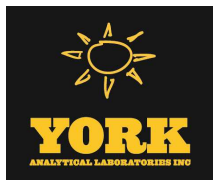
Total Dissolved Solids 268 10.0 mg/L 274 2.21 15

Duplicate (BE31508-DUP2)

*Source sample: 23E1282-02 (Duplicate)

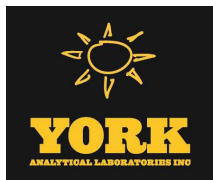
Prepared & Analyzed: 05/22/2023

Total Dissolved Solids 532 10.0 mg/L 535 0.562 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23E1224-01	Field Blank-5-18-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1224-02	Blind Duplicate-1-5-18-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1224-03	EN1-M-5-18-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1224-04	EN7-M-5-18-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1224-05	EN-10M-5-18-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1224-06	Trip blank- 5-18-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

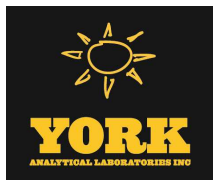


Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
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.
ICVE20	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 20% of expected value).
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).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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.

Revision Description: This report has been revised to update the VOA compound list.



YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This 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.

YORK Project No.
23E1224

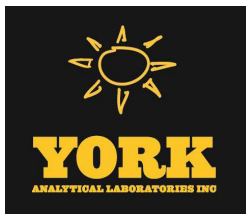
120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	DtB Engineers + Architects	Company:	Same	Company:	same	5629		RUSH - Next Day	
Address:	330 crossways park	Address:	same	Address:	same	YOUR Project Name		RUSH - Two Day	
	Dr. woodbury NY, 11797		same		same	East northeast		RUSH - Three Day	
Phone:	(516)-364-9890	Phone:	same	Phone:	same	Groundwater		RUSH - Four Day	
Contact:	Keith Robins	Contact:	same	Contact:	same	YOUR PO#:		RUSH - Five Day	
E-mail:	KRobins@db-eng.com	E-mail:	KRobins@db-eng.com	E-mail:	KRobins@db-eng.com	5629		Standard (6-9 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.

Sample Identification		Samples Collected by: (print AND sign your name)		Matrix Codes		Samples From		Report / EDD Type (circle selections)		Analyses Requested		Container Type No.	
Field Blank-1-5/18/23	GW	5/45/5/18/23	New York	S - soil / solid	New York	Summary Report	CT RCP	EQULS (Standard)	Compared to the following Regulation(s): (please fill in)	Target compound List, VOCs (624)	Other: CATEGORY (B)	Other: CATEGORY (B)	Other: CATEGORY (B)
Blind duplicate-1-5/18/23	GW	1234/5/18/23	New Jersey	GW - groundwater	New Jersey	QA Report	CT RCP	DQADUE NYSDEC EQULS		aluminum, arsenic, cadmium, calcium, chromium, iron, lead		Other: CATEGORY (B)	Other: CATEGORY (B)
Trip blank-5/18/23	GW	-	Connecticut	DW - drinking water	Connecticut	CMDP	NJDEP Reduced	NJDEP				Other: CATEGORY (B)	Other: CATEGORY (B)
EN1-M-5/18/23	GW	1:00	Pennsylvania	WW - wastewater	Pennsylvania	Standard Excel EDD	Deliverables	NJDEP SRP HazSite				Other: CATEGORY (B)	Other: CATEGORY (B)
EN1-M-5/18/23(MSD)	GW	1:00	Other:	O - Oil	Other:	NY ASP B Package						Other: CATEGORY (B)	Other: CATEGORY (B)
EN7-M-5/18/23(MSD)	GW	1:00										Other: CATEGORY (B)	Other: CATEGORY (B)
EN7-M-5/18/23	GW	5:00										Other: CATEGORY (B)	Other: CATEGORY (B)
EN-10M-5/18/23	GW	4:00										Other: CATEGORY (B)	Other: CATEGORY (B)

Comments: Analyses is same for all samples on this chain of custody page		Preservation: (check all that apply)		Special Instruction	
HCl	MeOH	HNO3	H2SO4	NaOH	Field Filtered
ZnAc	Ascorbic Acid	Other:			Lab to Filter
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 17:10	
1. Samples Relinquished by / Company: Ryan Lee/OtB		2. Samples Relinquished by / Company: Vicki D. York		3. Samples Received by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
4. Samples Relinquished by / Company: Ryan Lee/OtB		5. Samples Received by / Company: 5/19/23 20:25		6. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
7. Samples Relinquished by / Company: Ryan Lee/OtB		8. Samples Received by / Company: 5/19/23 20:25		9. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
10. Samples Relinquished by / Company: Ryan Lee/OtB		11. Samples Received by / Company: 5/19/23 20:25		12. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
13. Samples Relinquished by / Company: Ryan Lee/OtB		14. Samples Received by / Company: 5/19/23 20:25		15. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
16. Samples Relinquished by / Company: Ryan Lee/OtB		17. Samples Received by / Company: 5/19/23 20:25		18. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
19. Samples Relinquished by / Company: Ryan Lee/OtB		20. Samples Received by / Company: 5/19/23 20:25		21. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
22. Samples Relinquished by / Company: Ryan Lee/OtB		23. Samples Received by / Company: 5/19/23 20:25		24. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
25. Samples Relinquished by / Company: Ryan Lee/OtB		26. Samples Received by / Company: 5/19/23 20:25		27. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
28. Samples Relinquished by / Company: Ryan Lee/OtB		29. Samples Received by / Company: 5/19/23 20:25		30. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
31. Samples Relinquished by / Company: Ryan Lee/OtB		32. Samples Received by / Company: 5/19/23 20:25		33. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
34. Samples Relinquished by / Company: Ryan Lee/OtB		35. Samples Received by / Company: 5/19/23 20:25		36. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
37. Samples Relinquished by / Company: Ryan Lee/OtB		38. Samples Received by / Company: 5/19/23 20:25		39. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
40. Samples Relinquished by / Company: Ryan Lee/OtB		41. Samples Received by / Company: 5/19/23 20:25		42. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
43. Samples Relinquished by / Company: Ryan Lee/OtB		44. Samples Received by / Company: 5/19/23 20:25		45. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
46. Samples Relinquished by / Company: Ryan Lee/OtB		47. Samples Received by / Company: 5/19/23 20:25		48. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
49. Samples Relinquished by / Company: Ryan Lee/OtB		50. Samples Received by / Company: 5/19/23 20:25		51. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
52. Samples Relinquished by / Company: Ryan Lee/OtB		53. Samples Received by / Company: 5/19/23 20:25		54. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
55. Samples Relinquished by / Company: Ryan Lee/OtB		56. Samples Received by / Company: 5/19/23 20:25		57. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
58. Samples Relinquished by / Company: Ryan Lee/OtB		59. Samples Received by / Company: 5/19/23 20:25		60. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
61. Samples Relinquished by / Company: Ryan Lee/OtB		62. Samples Received by / Company: 5/19/23 20:25		63. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
64. Samples Relinquished by / Company: Ryan Lee/OtB		65. Samples Received by / Company: 5/19/23 20:25		66. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
67. Samples Relinquished by / Company: Ryan Lee/OtB		68. Samples Received by / Company: 5/19/23 20:25		69. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
70. Samples Relinquished by / Company: Ryan Lee/OtB		71. Samples Received by / Company: 5/19/23 20:25		72. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
73. Samples Relinquished by / Company: Ryan Lee/OtB		74. Samples Received by / Company: 5/19/23 20:25		75. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
76. Samples Relinquished by / Company: Ryan Lee/OtB		77. Samples Received by / Company: 5/19/23 20:25		78. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
79. Samples Relinquished by / Company: Ryan Lee/OtB		80. Samples Received by / Company: 5/19/23 20:25		81. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
82. Samples Relinquished by / Company: Ryan Lee/OtB		83. Samples Received by / Company: 5/19/23 20:25		84. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
85. Samples Relinquished by / Company: Ryan Lee/OtB		86. Samples Received by / Company: 5/19/23 20:25		87. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
88. Samples Relinquished by / Company: Ryan Lee/OtB		89. Samples Received by / Company: 5/19/23 20:25		90. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
91. Samples Relinquished by / Company: Ryan Lee/OtB		92. Samples Received by / Company: 5/19/23 20:25		93. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
94. Samples Relinquished by / Company: Ryan Lee/OtB		95. Samples Received by / Company: 5/19/23 20:25		96. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
97. Samples Relinquished by / Company: Ryan Lee/OtB		98. Samples Received by / Company: 5/19/23 20:25		99. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
100. Samples Relinquished by / Company: Ryan Lee/OtB		101. Samples Received by / Company: 5/19/23 20:25		102. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
103. Samples Relinquished by / Company: Ryan Lee/OtB		104. Samples Received by / Company: 5/19/23 20:25		105. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
106. Samples Relinquished by / Company: Ryan Lee/OtB		107. Samples Received by / Company: 5/19/23 20:25		108. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
109. Samples Relinquished by / Company: Ryan Lee/OtB		110. Samples Received by / Company: 5/19/23 20:25		111. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
112. Samples Relinquished by / Company: Ryan Lee/OtB		113. Samples Received by / Company: 5/19/23 20:25		114. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
115. Samples Relinquished by / Company: Ryan Lee/OtB		116. Samples Received by / Company: 5/19/23 20:25		117. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
118. Samples Relinquished by / Company: Ryan Lee/OtB		119. Samples Received by / Company: 5/19/23 20:25		120. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
121. Samples Relinquished by / Company: Ryan Lee/OtB		122. Samples Received by / Company: 5/19/23 20:25		123. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
124. Samples Relinquished by / Company: Ryan Lee/OtB		125. Samples Received by / Company: 5/19/23 20:25		126. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
127. Samples Relinquished by / Company: Ryan Lee/OtB		128. Samples Received by / Company: 5/19/23 20:25		129. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
130. Samples Relinquished by / Company: Ryan Lee/OtB		131. Samples Received by / Company: 5/19/23 20:25		132. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
133. Samples Relinquished by / Company: Ryan Lee/OtB		134. Samples Received by / Company: 5/19/23 20:25		135. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
136. Samples Relinquished by / Company: Ryan Lee/OtB		137. Samples Received by / Company: 5/19/23 20:25		138. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
139. Samples Relinquished by / Company: Ryan Lee/OtB		140. Samples Received by / Company: 5/19/23 20:25		141. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
142. Samples Relinquished by / Company: Ryan Lee/OtB		143. Samples Received by / Company: 5/19/23 20:25		144. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
145. Samples Relinquished by / Company: Ryan Lee/OtB		146. Samples Received by / Company: 5/19/23 20:25		147. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
148. Samples Relinquished by / Company: Ryan Lee/OtB		149. Samples Received by / Company: 5/19/23 20:25		150. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
151. Samples Relinquished by / Company: Ryan Lee/OtB		152. Samples Received by / Company: 5/19/23 20:25		153. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
154. Samples Relinquished by / Company: Ryan Lee/OtB		155. Samples Received by / Company: 5/19/23 20:25		156. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
157. Samples Relinquished by / Company: Ryan Lee/OtB		158. Samples Received by / Company: 5/19/23 20:25		159. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
160. Samples Relinquished by / Company: Ryan Lee/OtB		161. Samples Received by / Company: 5/19/23 20:25		162. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
163. Samples Relinquished by / Company: Ryan Lee/OtB		164. Samples Received by / Company: 5/19/23 20:25		165. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
166. Samples Relinquished by / Company: Ryan Lee/OtB		167. Samples Received by / Company: 5/19/23 20:25		168. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
169. Samples Relinquished by / Company: Ryan Lee/OtB		170. Samples Received by / Company: 5/19/23 20:25		171. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/19/23 17:10		Date/Time: 5/19/23 20:25	
172. Samples Relinquished by / Company: Ryan Lee/OtB		173. Samples Received by / Company: 5/19/23 20:25		174. Samples Relinquished by / Company: 5/19/23 20:25	
Date/Time: 5/19/23 8:15		Date/Time: 5/1			



Technical Report

prepared for:

D&B Engineers and Architects, P.C.

330 Crossways Park Drive

Woodbury NY, 11797

Attention: Robbin A. Petrella

Report Date: 06/08/2023

Client Project ID: 5629 East Northport Landfill

York Project (SDG) No.: 23E1369

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/08/2023
Client Project ID: 5629 East Northport Landfill
York Project (SDG) No.: 23E1369

D&B Engineers and Architects, P.C.
330 Crossways Park Drive
Woodbury NY, 11797
Attention: Robbin A. Petrella

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 23, 2023 and listed below. The project was identified as your project: **5629 East Northport Landfill**.

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>
23E1369-01	SW-7_52223	Surface Water	05/22/2023	05/23/2023
23E1369-02	SW-6_52223	Surface Water	05/22/2023	05/23/2023
23E1369-03	SW-5_52223	Surface Water	05/22/2023	05/23/2023
23E1369-04	SW-4_52223	Surface Water	05/22/2023	05/23/2023
23E1369-05	SW-3_52223	Surface Water	05/22/2023	05/23/2023
23E1369-06	SW-2_52223	Surface Water	05/22/2023	05/23/2023
23E1369-07	SW-1_52223	Surface Water	05/22/2023	05/23/2023
23E1369-08	Trip Blank	Water	05/22/2023	05/23/2023

General Notes for York Project (SDG) No.: 23E1369

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

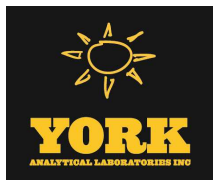
Approved By:



Date: 06/08/2023

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: SW-7_52223

York Sample ID: 23E1369-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1369

5629 East Northport Landfill

Surface Water

May 22, 2023 2:00 pm

05/23/2023

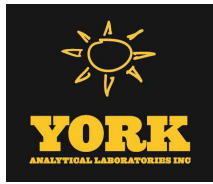
VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 14:50	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA



Sample Information

Client Sample ID: SW-7_52223

York Sample ID: 23E1369-01

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 2:00 pm

Date Received

05/23/2023

VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 14:50	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 14:50	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	89.4 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.0 %	71-130							

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/31/2023 07:40	05/31/2023 14:00	CEG

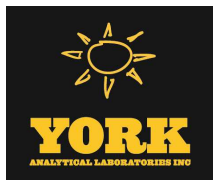
Chloride

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	14400		mg/L	34.5	250	500	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/30/2023 10:43	05/30/2023 10:43	VR



Sample Information

Client Sample ID: SW-7_52223

York Sample ID: 23E1369-01

York Project (SDG) No.
23E1369

Client Project ID
5629 East Northport Landfill

Matrix
Surface Water

Collection Date/Time
May 22, 2023 2:00 pm

Date Received
05/23/2023

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	HT-01R	mg/L	5.00	100	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/26/2023 01:09	05/26/2023 01:09	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	2040		mg/L	100	100	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/26/2023 01:09	05/26/2023 01:09	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	84		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/26/2023 07:22	05/26/2023 13:23	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	0.0809		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/25/2023 15:18	05/25/2023 18:15	NJO

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	84.0		mg/L	2.00	1	SM 2310B Certifications:	05/26/2023 07:23	05/26/2023 13:24	VR

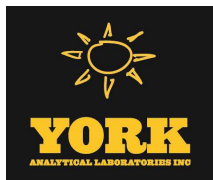
Total Dissolved Solids

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	23100		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/24/2023 17:53	05/26/2023 02:30	AA



Sample Information

Client Sample ID: SW-6_52223

York Sample ID: 23E1369-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

23E1369

5629 East Northport Landfill

Surface Water

May 22, 2023 1:00 pm

05/23/2023

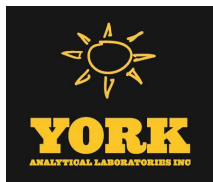
VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 15:16	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA



Sample Information

Client Sample ID: SW-6_52223

York Sample ID: 23E1369-02

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 1:00 pm

Date Received

05/23/2023

VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 15:16	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
108-88-3	Toluene	1.4		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:16	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	89.8 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.7 %	71-130							

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

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 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/31/2023 07:40	05/31/2023 14:03	CEG

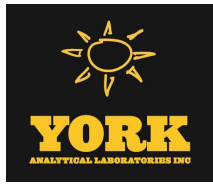
Chloride

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	59.7		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/26/2023 01:40	05/26/2023 01:40	VR



Sample Information

Client Sample ID: SW-6_52223

York Sample ID: 23E1369-02

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 1:00 pm

Date Received

05/23/2023

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	0.368		mg/L	0.0500	1	EPA 300.0	05/24/2023 02:49	05/24/2023 02:49	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	17.0		mg/L	1.00	1	EPA 300.0	05/24/2023 02:49	05/24/2023 02:49	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	36		mg/L	2.0	1	SM 2320B	05/26/2023 07:22	05/26/2023 13:23	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	0.114		mg/L	0.0500	1	SM 4500-NH3 D	05/25/2023 15:18	05/25/2023 18:15	NJO
							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	36.0		mg/L	2.00	1	SM 2310B	05/26/2023 07:23	05/26/2023 13:24	VR
							Certifications:			

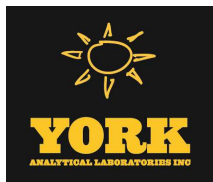
Total Dissolved Solids

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	468		mg/L	10.0	1	SM 2540C-2015	05/24/2023 17:53	05/26/2023 02:30	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		



Sample Information

Client Sample ID: SW-5_52223

York Sample ID: 23E1369-03

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 11:00 am

Date Received

05/23/2023

VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 15:43	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA



Sample Information

Client Sample ID: SW-5_52223

York Sample ID: 23E1369-03

York Project (SDG) No.
23E1369

Client Project ID
5629 East Northport Landfill

Matrix
Surface Water

Collection Date/Time
May 22, 2023 11:00 am

Date Received
05/23/2023

VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 15:43	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 15:43	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.4 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	90.7 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.6 %	71-130							

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	89.5		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/31/2023 09:44	06/01/2023 14:56	CEG

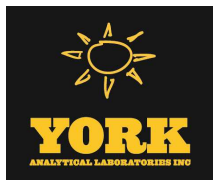
Chloride

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	52.3		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/26/2023 01:50	05/26/2023 01:50	VR



Sample Information

Client Sample ID: SW-5_52223

York Sample ID: 23E1369-03

York Project (SDG) No.
23E1369

Client Project ID
5629 East Northport Landfill

Matrix
Surface Water

Collection Date/Time
May 22, 2023 11:00 am

Date Received
05/23/2023

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	1.22		mg/L	0.0500	1	EPA 300.0	05/24/2023 00:10	05/24/2023 00:10	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	19.4		mg/L	1.00	1	EPA 300.0	05/24/2023 00:10	05/24/2023 00:10	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	05/26/2023 07:22	05/26/2023 13:23	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	0.0602		mg/L	0.0500	1	SM 4500-NH3 D	05/25/2023 15:18	05/25/2023 18:15	NJO
							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	05/26/2023 07:23	05/26/2023 13:24	VR
							Certifications:			

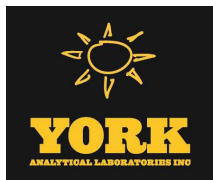
Total Dissolved Solids

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	262		mg/L	10.0	1	SM 2540C-2015	05/24/2023 17:53	05/26/2023 02:30	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		



Sample Information

Client Sample ID: SW-4_52223

York Sample ID: 23E1369-04

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 12:30 pm

Date Received

05/23/2023

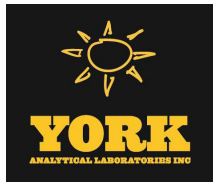
VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 16:09	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA



Sample Information

Client Sample ID: SW-4_52223

York Sample ID: 23E1369-04

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 12:30 pm

Date Received

05/23/2023

VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 16:09	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:09	SMA
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	90.1 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.7 %	71-130							

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	85.5		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/31/2023 09:44	06/01/2023 14:59	CEG

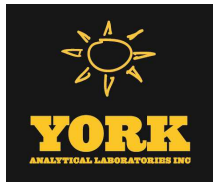
Chloride

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	61.1		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/26/2023 02:00	05/26/2023 02:00	VR



Sample Information

Client Sample ID: SW-4_52223

York Sample ID: 23E1369-04

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 12:30 pm

Date Received

05/23/2023

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	2.44		mg/L	0.0500	1	EPA 300.0	05/24/2023 01:58	05/24/2023 01:58	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	22.5		mg/L	1.00	1	EPA 300.0	05/24/2023 01:58	05/24/2023 01:58	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	48		mg/L	2.0	1	SM 2320B	05/26/2023 07:22	05/26/2023 13:23	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	0.149		mg/L	0.0500	1	SM 4500-NH3 D	05/25/2023 15:18	05/25/2023 18:15	NJO
							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	48.0		mg/L	2.00	1	SM 2310B	05/26/2023 07:23	05/26/2023 13:24	VR
							Certifications:			

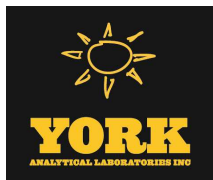
Total Dissolved Solids

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	253		mg/L	10.0	1	SM 2540C-2015	05/24/2023 17:53	05/26/2023 02:30	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		



Sample Information

Client Sample ID: SW-3_52223

York Sample ID: 23E1369-05

York Project (SDG) No.
23E1369

Client Project ID
5629 East Northport Landfill

Matrix
Surface Water

Collection Date/Time
May 22, 2023 10:40 am

Date Received
05/23/2023

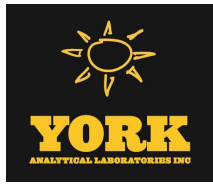
VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 16:36	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA



Sample Information

Client Sample ID: SW-3_52223

York Sample ID: 23E1369-05

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 10:40 am

Date Received

05/23/2023

VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 16:36	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
127-18-4	Tetrachloroethylene	0.60		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 16:36	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	90.6 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.2 %	71-130							

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	125		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/31/2023 09:44	06/01/2023 15:03	CEG

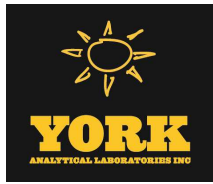
Chloride

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	93.5		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/26/2023 02:10	05/26/2023 02:10	VR



Sample Information

Client Sample ID: SW-3_52223

York Sample ID: 23E1369-05

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 10:40 am

Date Received

05/23/2023

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	4.20		mg/L	0.0500	1	EPA 300.0	05/24/2023 00:01	05/24/2023 00:01	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	39.3		mg/L	1.00	1	EPA 300.0	05/24/2023 00:01	05/24/2023 00:01	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	05/26/2023 07:22	05/26/2023 13:23	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	0.0593		mg/L	0.0500	1	SM 4500-NH3 D	05/25/2023 15:18	05/25/2023 18:15	NJO
							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	05/26/2023 07:23	05/26/2023 13:24	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	346		mg/L	10.0	1	SM 2540C-2015	05/24/2023 17:53	05/26/2023 02:30	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		



Sample Information

Client Sample ID: SW-2_52223

York Sample ID: 23E1369-06

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 9:20 am

Date Received

05/23/2023

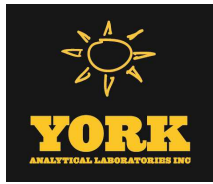
VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 17:02	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA



Sample Information

Client Sample ID: SW-2_52223

York Sample ID: 23E1369-06

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 9:20 am

Date Received

05/23/2023

VOA, 624 LOW MASTER

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	05/25/2023 09:00	05/25/2023 17:02	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/25/2023 09:00	05/25/2023 17:02	SMA
Surrogate Recoveries		Result	Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	78-126							
2037-26-5	Surrogate: SURR: Toluene-d8	88.9 %	84-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.6 %	71-130							

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	128		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/31/2023 09:44	06/01/2023 15:07	CEG

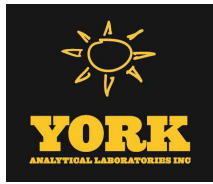
Chloride

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	87.7		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/26/2023 02:19	05/26/2023 02:19	VR



Sample Information

Client Sample ID: SW-2_52223

York Sample ID: 23E1369-06

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 9:20 am

Date Received

05/23/2023

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	1.67		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/23/2023 23:04	05/23/2023 23:04	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	43.2		mg/L	10.0	10	EPA 300.0 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/26/2023 02:19	05/26/2023 02:19	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	84		mg/L	2.0	1	SM 2320B Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/26/2023 07:22	05/26/2023 13:23	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	0.163		mg/L	0.0500	1	SM 4500-NH3 D Certifications:	05/25/2023 15:18	05/25/2023 18:15	NJO

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	84.0		mg/L	2.00	1	SM 2310B Certifications:	05/26/2023 07:23	05/26/2023 13:24	VR

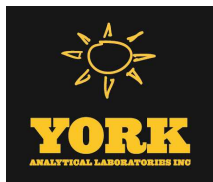
Total Dissolved Solids

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	301		mg/L	10.0	1	SM 2540C-2015 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	05/25/2023 19:09	05/25/2023 19:09	AA



Sample Information

Client Sample ID: SW-1_52223

York Sample ID: 23E1369-07

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 12:00 pm

Date Received

05/23/2023

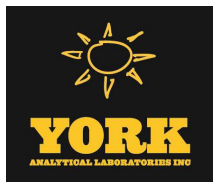
VOA, 624 LOW MASTER

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	05/26/2023 09:00	05/26/2023 12:35	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA



Sample Information

Client Sample ID: SW-1_52223

York Sample ID: 23E1369-07

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 12:00 pm

Date Received

05/23/2023

VOA, 624 LOW MASTER

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	05/26/2023 09:00	05/26/2023 12:35	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 12:35	SMA

Surrogate Recoveries		Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	78-126
2037-26-5	Surrogate: SURR: Toluene-d8	89.4 %	84-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.0 %	71-130

Hardness, total (as CaCO3)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	81.2		mg/L	1.11	1	SM 2340B-2011 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP	05/31/2023 09:44	06/01/2023 15:11	CEG

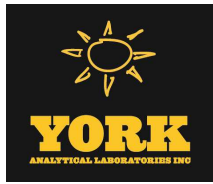
Chloride

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	51.6		mg/L	0.690	5.00	10	EPA 300.0 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	05/26/2023 03:27	05/26/2023 03:27	VR



Sample Information

Client Sample ID: SW-1_52223

York Sample ID: 23E1369-07

York Project (SDG) No.

23E1369

Client Project ID

5629 East Northport Landfill

Matrix

Surface Water

Collection Date/Time

May 22, 2023 12:00 pm

Date Received

05/23/2023

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	1.88		mg/L	0.0500	1	EPA 300.0	05/24/2023 01:29	05/24/2023 01:29	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	21.8		mg/L	1.00	1	EPA 300.0	05/24/2023 01:29	05/24/2023 01:29	NJO
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	48		mg/L	2.0	1	SM 2320B	05/26/2023 07:22	05/26/2023 13:23	VR
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

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	0.0708		mg/L	0.0500	1	SM 4500-NH3 D	05/25/2023 15:18	05/25/2023 18:15	NJO
							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	48.0		mg/L	2.00	1	SM 2310B	05/26/2023 07:23	05/26/2023 13:24	VR
							Certifications:			

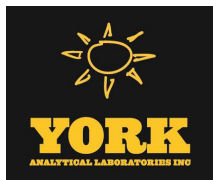
Total Dissolved Solids

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	197		mg/L	10.0	1	SM 2540C-2015	05/25/2023 19:09	05/25/2023 19:09	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E1369-08

York Project (SDG) No.
23E1369

Client Project ID
5629 East Northport Landfill

Matrix
Water

Collection Date/Time
May 22, 2023 12:00 am

Date Received
05/23/2023

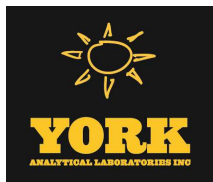
VOA, 624 LOW MASTER

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	05/26/2023 09:00	05/26/2023 11:42	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
110-75-8	2-Chloroethylvinyl ether	ND		ug/L	20	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
71-43-2	Benzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
75-25-2	Bromoform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
74-83-9	Bromomethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
75-00-3	Chloroethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
67-66-3	Chloroform	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
74-87-3	Chloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
124-48-1	Dibromochloromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 23E1369-08

York Project (SDG) No.
23E1369

Client Project ID
5629 East Northport Landfill

Matrix
Water

Collection Date/Time
May 22, 2023 12:00 am

Date Received
05/23/2023

VOA, 624 LOW MASTER

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	05/26/2023 09:00	05/26/2023 11:42	SMA
75-09-2	Methylene chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
95-47-6	o-Xylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
127-18-4	Tetrachloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
108-88-3	Toluene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.50	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA
1330-20-7	Xylenes, Total	ND		ug/L	1.5	1	EPA 624.1 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	05/26/2023 09:00	05/26/2023 11:42	SMA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	78-126
2037-26-5	Surrogate: SURR: Toluene-d8	89.1 %	84-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.0 %	71-130



Analytical Batch Summary

Batch ID: BE31658

Preparation Method: EPA 300

Prepared By: NJO

YORK Sample ID	Client Sample ID	Preparation Date
23E1369-02	SW-6_52223	05/24/23
23E1369-03	SW-5_52223	05/24/23
23E1369-04	SW-4_52223	05/24/23
23E1369-05	SW-3_52223	05/24/23
23E1369-06	SW-2_52223	05/23/23
23E1369-06RE1	SW-2_52223	05/24/23
23E1369-07	SW-1_52223	05/24/23
BE31658-BLK1	Blank	05/23/23
BE31658-BS1	LCS	05/23/23
BE31658-DUP1	Duplicate	05/23/23
BE31658-DUP2	Duplicate	05/23/23
BE31658-MS1	Matrix Spike	05/23/23
BE31658-MS2	Matrix Spike	05/23/23

Batch ID: BE31671

Preparation Method: % Solids Prep

Prepared By: AA

YORK Sample ID	Client Sample ID	Preparation Date
23E1369-01	SW-7_52223	05/24/23
23E1369-02	SW-6_52223	05/24/23
23E1369-03	SW-5_52223	05/24/23
23E1369-04	SW-4_52223	05/24/23
23E1369-05	SW-3_52223	05/24/23
BE31671-BLK1	Blank	05/24/23
BE31671-DUP1	Duplicate	05/24/23
BE31671-DUP2	Duplicate	05/24/23

Batch ID: BE31703

Preparation Method: EPA 5030B

Prepared By: SMA

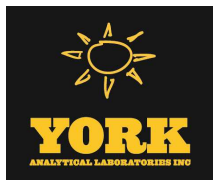
YORK Sample ID	Client Sample ID	Preparation Date
23E1369-01	SW-7_52223	05/25/23
23E1369-02	SW-6_52223	05/25/23
23E1369-03	SW-5_52223	05/25/23
23E1369-04	SW-4_52223	05/25/23
23E1369-05	SW-3_52223	05/25/23
23E1369-06	SW-2_52223	05/25/23
BE31703-BLK1	Blank	05/25/23
BE31703-BS1	LCS	05/25/23
BE31703-BSD1	LCS Dup	05/25/23
BE31703-MS1	Matrix Spike	05/25/23
BE31703-MSD1	Matrix Spike Dup	05/25/23

Batch ID: BE31749

Preparation Method: Analysis Preparation

Prepared By: NJO

YORK Sample ID	Client Sample ID	Preparation Date



23E1369-01	SW-7_52223	05/25/23
23E1369-02	SW-6_52223	05/25/23
23E1369-03	SW-5_52223	05/25/23
23E1369-04	SW-4_52223	05/25/23
23E1369-05	SW-3_52223	05/25/23
23E1369-06	SW-2_52223	05/25/23
23E1369-07	SW-1_52223	05/25/23
BE31749-BLK1	Blank	05/25/23
BE31749-BS1	LCS	05/25/23
BE31749-DUP1	Duplicate	05/25/23
BE31749-MS1	Matrix Spike	05/25/23
BE31749-MSD1	Matrix Spike Dup	05/25/23

Batch ID: BE31759 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
23E1369-06	SW-2_52223	05/25/23
23E1369-07	SW-1_52223	05/25/23
BE31759-BLK1	Blank	05/25/23
BE31759-DUP1	Duplicate	05/25/23
BE31759-DUP2	Duplicate	05/25/23

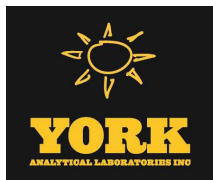
Batch ID: BE31762 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1369-01	SW-7_52223	05/26/23
23E1369-02	SW-6_52223	05/26/23
23E1369-03	SW-5_52223	05/26/23
23E1369-04	SW-4_52223	05/26/23
23E1369-05	SW-3_52223	05/26/23
23E1369-06	SW-2_52223	05/26/23
23E1369-07	SW-1_52223	05/26/23
BE31762-DUP1	Duplicate	05/26/23
BE31762-SRM1	Reference	05/26/23

Batch ID: BE31763 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1369-01	SW-7_52223	05/26/23
23E1369-02	SW-6_52223	05/26/23
23E1369-03	SW-5_52223	05/26/23
23E1369-04	SW-4_52223	05/26/23
23E1369-05	SW-3_52223	05/26/23
23E1369-06	SW-2_52223	05/26/23
23E1369-07	SW-1_52223	05/26/23
BE31763-BLK1	Blank	05/26/23
BE31763-DUP1	Duplicate	05/26/23

Batch ID: BE31767 **Preparation Method:** EPA 300 **Prepared By:** VR



YORK Sample ID	Client Sample ID	Preparation Date
23E1369-01	SW-7_52223	05/26/23
23E1369-01	SW-7_52223	05/26/23
23E1369-02	SW-6_52223	05/26/23
23E1369-03	SW-5_52223	05/26/23
23E1369-04	SW-4_52223	05/26/23
23E1369-05	SW-3_52223	05/26/23
23E1369-06	SW-2_52223	05/26/23
BE31767-BLK1	Blank	05/25/23
BE31767-BS1	LCS	05/25/23
BE31767-DUP1	Duplicate	05/25/23
BE31767-DUP2	Duplicate	05/25/23
BE31767-MS1	Matrix Spike	05/25/23
BE31767-MS2	Matrix Spike	05/25/23

Batch ID: BE31772 **Preparation Method:** EPA 300 **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1369-07	SW-1_52223	05/26/23
BE31772-BLK1	Blank	05/26/23
BE31772-BS1	LCS	05/26/23
BE31772-DUP1	Duplicate	05/26/23
BE31772-DUP2	Duplicate	05/26/23
BE31772-MS1	Matrix Spike	05/26/23

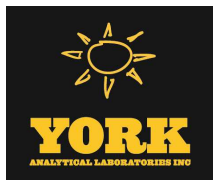
Batch ID: BE31791 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23E1369-07	SW-1_52223	05/26/23
23E1369-08	Trip Blank	05/26/23
BE31791-BLK1	Blank	05/26/23
BE31791-BS1	LCS	05/26/23
BE31791-BSD1	LCS Dup	05/26/23

Batch ID: BE31891 **Preparation Method:** EPA 300 **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23E1369-01	SW-7_52223	05/30/23
BE31891-BLK1	Blank	05/30/23
BE31891-BS1	LCS	05/30/23
BE31891-DUP1	Duplicate	05/30/23
BE31891-DUP2	Duplicate	05/30/23
BE31891-MS1	Matrix Spike	05/30/23
BE31891-MS2	Matrix Spike	05/30/23
BE31891-MSD1	Matrix Spike Dup	05/30/23
BE31891-MSD2	Matrix Spike Dup	05/30/23

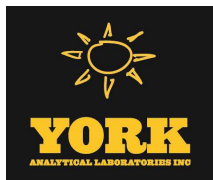
Batch ID: BE31927 **Preparation Method:** EPA 200.7 **Prepared By:** MCS



YORK Sample ID	Client Sample ID	Preparation Date
23E1369-01	SW-7_52223	05/31/23
23E1369-02	SW-6_52223	05/31/23
BE31927-BLK1	Blank	05/31/23
BE31927-DUP1	Duplicate	05/31/23

Batch ID: BE31956 **Preparation Method:** EPA 200.7 **Prepared By:** MCS

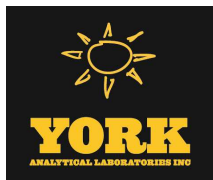
YORK Sample ID	Client Sample ID	Preparation Date
23E1369-03	SW-5_52223	05/31/23
23E1369-04	SW-4_52223	05/31/23
23E1369-05	SW-3_52223	05/31/23
23E1369-06	SW-2_52223	05/31/23
23E1369-07	SW-1_52223	05/31/23
BE31956-DUP1	Duplicate	05/31/23



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 BE31703 - EPA 5030B											
Blank (BE31703-BLK1)						Prepared & Analyzed: 05/25/2023					
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	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	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	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	0.50	"								
Naphthalene	ND	2.0	"								
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	10.3		"	10.0		103	78-126				
Surrogate: SURR: Toluene-d8	9.00		"	10.0		90.0	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

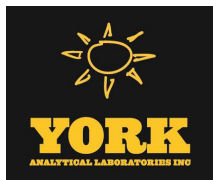
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31703 - EPA 5030B

LCS (BE31703-BS1)

Prepared & Analyzed: 05/25/2023

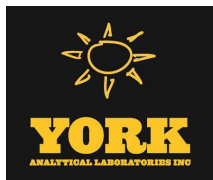
1,1,1-Trichloroethane	25.9		ug/L	20.0		130	75-125	High Bias			
1,1,2,2-Tetrachloroethane	21.7		"	20.0		109	60-140				
1,1,2-Trichloroethane	20.7		"	20.0		104	71-129				
1,1-Dichloroethane	23.5		"	20.0		118	72-128				
1,1-Dichloroethylene	25.6		"	20.0		128	50-150				
1,2-Dichlorobenzene	20.3		"	20.0		101	63-137				
1,2-Dichloroethane	24.6		"	20.0		123	68-132				
1,2-Dichloropropane	21.4		"	20.0		107	34-166				
1,3-Dichlorobenzene	20.8		"	20.0		104	73-127				
1,4-Dichlorobenzene	20.5		"	20.0		103	63-137				
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias			
Acrolein	31.9		"	20.0		160	70-130	High Bias			
Acrylonitrile	24.6		"	20.0		123	70-130				
Benzene	24.8		"	20.0		124	64-136				
Bromochloromethane	24.2		"	20.0		121	77-128				
Bromodichloromethane	21.2		"	20.0		106	65-135				
Bromoform	22.2		"	20.0		111	71-129				
Bromomethane	21.3		"	20.0		106	14-186				
Carbon tetrachloride	26.4		"	20.0		132	73-127	High Bias			
Chlorobenzene	22.2		"	20.0		111	66-134				
Chloroethane	21.9		"	20.0		110	38-162				
Chloroform	24.2		"	20.0		121	67-133				
Chloromethane	18.4		"	20.0		91.8	0.5-204				
cis-1,2-Dichloroethylene	24.6		"	20.0		123	70-130				
cis-1,3-Dichloropropylene	21.0		"	20.0		105	24-176				
Dibromochloromethane	21.4		"	20.0		107	67-133				
Ethyl Benzene	21.6		"	20.0		108	59-141				
Methyl tert-butyl ether (MTBE)	22.7		"	20.0		114	70-130				
Methylene chloride	23.8		"	20.0		119	60-140				
Naphthalene	20.0		"	20.0		99.8	70-130				
o-Xylene	21.5		"	20.0		107	70-130				
p- & m- Xylenes	42.4		"	40.0		106	70-130				
Tetrachloroethylene	13.1		"	20.0		65.3	73-127	Low Bias			
Toluene	21.2		"	20.0		106	74-126				
trans-1,2-Dichloroethylene	25.1		"	20.0		125	69-131				
trans-1,3-Dichloropropylene	20.6		"	20.0		103	50-150				
Trichloroethylene	21.0		"	20.0		105	66-134				
Trichlorofluoromethane	24.4		"	20.0		122	48-152				
Vinyl Chloride	21.2		"	20.0		106	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.70		"	10.0		97.0	78-126				
Surrogate: SURR: Toluene-d8	9.31		"	10.0		93.1	84-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	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 BE31703 - EPA 5030B											
LCS Dup (BE31703-BSD1)						Prepared & Analyzed: 05/25/2023					
1,1,1-Trichloroethane	24.6		ug/L	20.0		123	75-125		5.27	30	
1,1,2,2-Tetrachloroethane	22.7		"	20.0		114	60-140		4.59	30	
1,1,2-Trichloroethane	21.7		"	20.0		108	71-129		4.53	30	
1,1-Dichloroethane	22.6		"	20.0		113	72-128		3.81	30	
1,1-Dichloroethylene	24.4		"	20.0		122	50-150		4.88	30	
1,2-Dichlorobenzene	20.2		"	20.0		101	63-137		0.296	30	
1,2-Dichloroethane	25.5		"	20.0		128	68-132		3.67	30	
1,2-Dichloropropane	20.7		"	20.0		104	34-166		3.13	30	
1,3-Dichlorobenzene	20.0		"	20.0		100	73-127		4.02	30	
1,4-Dichlorobenzene	19.9		"	20.0		99.6	63-137		2.97	30	
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias		30	
Acrolein	19.7		"	20.0		98.6	70-130		47.2	30	Non-dir.
Acrylonitrile	26.0		"	20.0		130	70-130		5.42	30	
Benzene	24.0		"	20.0		120	64-136		3.52	30	
Bromochloromethane	24.8		"	20.0		124	77-128		2.33	30	
Bromodichloromethane	21.2		"	20.0		106	65-135		0.283	30	
Bromoform	23.8		"	20.0		119	71-129		6.65	30	
Bromomethane	19.9		"	20.0		99.4	14-186		6.95	30	
Carbon tetrachloride	25.4		"	20.0		127	73-127		3.98	30	
Chlorobenzene	21.5		"	20.0		108	66-134		3.38	30	
Chloroethane	20.6		"	20.0		103	38-162		5.97	30	
Chloroform	23.8		"	20.0		119	67-133		1.42	30	
Chloromethane	17.6		"	20.0		88.0	0.5-204		4.28	30	
cis-1,2-Dichloroethylene	23.8		"	20.0		119	70-130		3.39	30	
cis-1,3-Dichloropropylene	20.9		"	20.0		105	24-176		0.524	30	
Dibromochloromethane	22.6		"	20.0		113	67-133		5.37	30	
Ethyl Benzene	20.3		"	20.0		102	59-141		5.82	30	
Methyl tert-butyl ether (MTBE)	25.7		"	20.0		128	70-130		12.1	30	
Methylene chloride	23.6		"	20.0		118	60-140		0.760	30	
Naphthalene	22.2		"	20.0		111	70-130		10.7	30	
o-Xylene	20.7		"	20.0		103	70-130		3.80	30	
p- & m- Xylenes	40.2		"	40.0		100	70-130		5.52	30	
Tetrachloroethylene	12.2		"	20.0		61.0	73-127	Low Bias	6.81	30	
Toluene	20.1		"	20.0		100	74-126		5.33	30	
trans-1,2-Dichloroethylene	23.9		"	20.0		120	69-131		4.86	30	
trans-1,3-Dichloropropylene	21.5		"	20.0		108	50-150		4.27	30	
Trichloroethylene	19.8		"	20.0		98.8	66-134		5.85	30	
Trichlorofluoromethane	23.0		"	20.0		115	48-152		5.98	30	
Vinyl Chloride	19.3		"	20.0		96.6	4-196		9.18	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.1		"	10.0		101	78-126				
Surrogate: SURR: Toluene-d8	9.09		"	10.0		90.9	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.67		"	10.0		96.7	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 BE31703 - EPA 5030B

Matrix Spike (BE31703-MS1)	*Source sample: 23E1224-03 (Matrix Spike)					Prepared & Analyzed: 05/25/2023					
1,1,1-Trichloroethane	34.6		ug/L	20.0	0.00	173	52-162	High Bias			
1,1,2,2-Tetrachloroethane	29.0		"	20.0	0.00	145	46-157				
1,1,2-Trichloroethane	28.4		"	20.0	0.00	142	52-150				
1,1-Dichloroethane	32.1		"	20.0	0.00	160	59-155	High Bias			
1,1-Dichloroethylene	34.0		"	20.0	0.00	170	0.5-234				
1,2-Dichlorobenzene	24.9		"	20.0	0.00	124	18-190				
1,2-Dichloroethane	34.0		"	20.0	0.00	170	49-155	High Bias			
1,2-Dichloropropane	28.2		"	20.0	0.00	141	0.5-210				
1,3-Dichlorobenzene	24.5		"	20.0	0.00	122	59-156				
1,4-Dichlorobenzene	24.1		"	20.0	0.00	121	18-190				
2-Chloroethylvinyl ether	0.00		"	20.0	0.00		20-305	Low Bias			
Acrolein	44.0		"	20.0	0.00	220	70-130	High Bias			
Acrylonitrile	33.4		"	20.0	0.00	167	70-130	High Bias			
Benzene	33.4		"	20.0	0.00	167	37-151	High Bias			
Bromochloromethane	32.9		"	20.0	0.00	164	75-121	High Bias			
Bromodichloromethane	28.3		"	20.0	0.00	142	35-155				
Bromoform	29.8		"	20.0	0.00	149	45-169				
Bromomethane	26.3		"	20.0	0.00	131	0.5-242				
Carbon tetrachloride	35.1		"	20.0	0.00	176	70-140	High Bias			
Chlorobenzene	28.3		"	20.0	0.00	142	37-160				
Chloroethane	29.8		"	20.0	0.00	149	14-230				
Chloroform	34.1		"	20.0	1.16	165	51-138	High Bias			
Chloromethane	23.5		"	20.0	0.00	118	0.5-273				
cis-1,2-Dichloroethylene	32.6		"	20.0	0.00	163	70-130	High Bias			
cis-1,3-Dichloropropylene	27.0		"	20.0	0.00	135	0.5-227				
Dibromochloromethane	29.5		"	20.0	0.00	147	53-149				
Ethyl Benzene	26.8		"	20.0	0.00	134	37-162				
Methyl tert-butyl ether (MTBE)	32.7		"	20.0	0.00	164	70-130	High Bias			
Methylene chloride	31.5		"	20.0	0.190	157	0.5-221				
Naphthalene	24.8		"	20.0	0.00	124	70-130				
o-Xylene	27.2		"	20.0	0.00	136	70-130	High Bias			
p- & m- Xylenes	52.4		"	40.0	0.00	131	70-130	High Bias			
Tetrachloroethylene	15.8		"	20.0	0.00	78.8	64-148				
Toluene	27.4		"	20.0	0.00	137	70-130	High Bias			
trans-1,2-Dichloroethylene	32.9		"	20.0	0.00	164	54-156	High Bias			
trans-1,3-Dichloropropylene	27.2		"	20.0	0.00	136	17-183				
Trichloroethylene	26.5		"	20.0	0.00	132	71-157				
Trichlorofluoromethane	32.1		"	20.0	0.00	161	17-181				
Vinyl Chloride	29.0		"	20.0	0.00	145	0.5-251				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	78-126				
Surrogate: SURR: Toluene-d8	9.04		"	10.0		90.4	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.77		"	10.0		97.7	71-130				



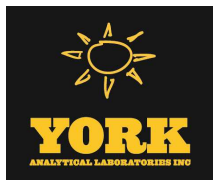
Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

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

Batch BE31703 - EPA 5030B

Matrix Spike Dup (BE31703-MSD1)	*Source sample: 23E1224-03 (Matrix Spike Dup)					Prepared & Analyzed: 05/25/2023					
1,1,1-Trichloroethane	30.3		ug/L	20.0	0.00	152	52-162		13.2	30	
1,1,2,2-Tetrachloroethane	25.4		"	20.0	0.00	127	46-157		13.3	30	
1,1,2-Trichloroethane	24.5		"	20.0	0.00	122	52-150		15.0	30	
1,1-Dichloroethane	27.8		"	20.0	0.00	139	59-155		14.3	30	
1,1-Dichloroethylene	29.5		"	20.0	0.00	147	0.5-234		14.3	30	
1,2-Dichlorobenzene	22.6		"	20.0	0.00	113	18-190		9.73	30	
1,2-Dichloroethane	28.9		"	20.0	0.00	145	49-155		16.0	30	
1,2-Dichloropropane	24.2		"	20.0	0.00	121	0.5-210		15.2	30	
1,3-Dichlorobenzene	21.9		"	20.0	0.00	110	59-156		11.2	30	
1,4-Dichlorobenzene	21.9		"	20.0	0.00	110	18-190		9.47	30	
2-Chloroethylvinyl ether	0.00		"	20.0	0.00		20-305	Low Bias		30	
Acrolein	38.1		"	20.0	0.00	191	70-130	High Bias	14.4	30	
Acrylonitrile	28.8		"	20.0	0.00	144	70-130	High Bias	14.8	30	
Benzene	28.8		"	20.0	0.00	144	37-151		14.7	30	
Bromochloromethane	28.2		"	20.0	0.00	141	75-121	High Bias	15.2	30	
Bromodichloromethane	24.5		"	20.0	0.00	122	35-155		14.6	30	
Bromoform	25.6		"	20.0	0.00	128	45-169		15.1	30	
Bromomethane	24.5		"	20.0	0.00	123	0.5-242		6.77	30	
Carbon tetrachloride	30.9		"	20.0	0.00	155	70-140	High Bias	12.7	30	
Chlorobenzene	24.8		"	20.0	0.00	124	37-160		13.3	30	
Chloroethane	25.2		"	20.0	0.00	126	14-230		16.7	30	
Chloroform	29.7		"	20.0	1.16	143	51-138	High Bias	13.7	30	
Chloromethane	20.5		"	20.0	0.00	102	0.5-273		13.9	30	
cis-1,2-Dichloroethylene	28.0		"	20.0	0.00	140	70-130	High Bias	15.1	30	
cis-1,3-Dichloropropylene	23.4		"	20.0	0.00	117	0.5-227		14.2	30	
Dibromochloromethane	25.4		"	20.0	0.00	127	53-149		14.7	30	
Ethyl Benzene	23.8		"	20.0	0.00	119	37-162		12.2	30	
Methyl tert-butyl ether (MTBE)	28.7		"	20.0	0.00	143	70-130	High Bias	13.2	30	
Methylene chloride	27.6		"	20.0	0.190	137	0.5-221		13.1	30	
Naphthalene	23.7		"	20.0	0.00	118	70-130		4.66	30	
o-Xylene	24.0		"	20.0	0.00	120	70-130		12.8	30	
p- & m- Xylenes	46.3		"	40.0	0.00	116	70-130		12.3	30	
Tetrachloroethylene	14.2		"	20.0	0.00	70.8	64-148		10.8	30	
Toluene	23.4		"	20.0	0.00	117	70-130		15.5	30	
trans-1,2-Dichloroethylene	29.0		"	20.0	0.00	145	54-156		12.5	30	
trans-1,3-Dichloropropylene	23.7		"	20.0	0.00	118	17-183		13.9	30	
Trichloroethylene	23.2		"	20.0	0.00	116	71-157		13.3	30	
Trichlorofluoromethane	27.8		"	20.0	0.00	139	17-181		14.3	30	
Vinyl Chloride	23.6		"	20.0	0.00	118	0.5-251		20.5	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.83		"	10.0		98.3	78-126				
Surrogate: SURR: Toluene-d8	9.04		"	10.0		90.4	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.79		"	10.0		97.9	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

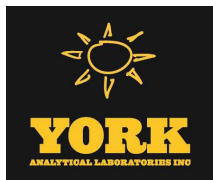
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31791 - EPA 5030B

Blank (BE31791-BLK1)

Prepared & Analyzed: 05/26/2023

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	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	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	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	0.50	"								
Naphthalene	ND	2.0	"								
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	8.93		"	10.0		89.3	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.46		"	10.0		94.6	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

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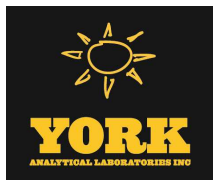
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31791 - EPA 5030B

LCS (BE31791-BS1)

Prepared & Analyzed: 05/26/2023

1,1,1-Trichloroethane	25.2		ug/L	20.0		126	75-125	High Bias			
1,1,2,2-Tetrachloroethane	20.8		"	20.0		104	60-140				
1,1,2-Trichloroethane	20.5		"	20.0		103	71-129				
1,1-Dichloroethane	23.2		"	20.0		116	72-128				
1,1-Dichloroethylene	25.3		"	20.0		127	50-150				
1,2-Dichlorobenzene	19.6		"	20.0		97.9	63-137				
1,2-Dichloroethane	24.3		"	20.0		121	68-132				
1,2-Dichloropropane	20.4		"	20.0		102	34-166				
1,3-Dichlorobenzene	19.8		"	20.0		99.2	73-127				
1,4-Dichlorobenzene	19.6		"	20.0		97.8	63-137				
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias			
Acrolein	31.0		"	20.0		155	70-130	High Bias			
Acrylonitrile	23.8		"	20.0		119	70-130				
Benzene	23.9		"	20.0		120	64-136				
Bromochloromethane	23.9		"	20.0		119	77-128				
Bromodichloromethane	20.8		"	20.0		104	65-135				
Bromoform	22.0		"	20.0		110	71-129				
Bromomethane	22.4		"	20.0		112	14-186				
Carbon tetrachloride	25.7		"	20.0		128	73-127	High Bias			
Chlorobenzene	21.4		"	20.0		107	66-134				
Chloroethane	22.0		"	20.0		110	38-162				
Chloroform	23.6		"	20.0		118	67-133				
Chloromethane	20.6		"	20.0		103	0.5-204				
cis-1,2-Dichloroethylene	23.5		"	20.0		117	70-130				
cis-1,3-Dichloropropylene	20.1		"	20.0		101	24-176				
Dibromochloromethane	21.4		"	20.0		107	67-133				
Ethyl Benzene	20.5		"	20.0		102	59-141				
Methyl tert-butyl ether (MTBE)	23.5		"	20.0		117	70-130				
Methylene chloride	23.0		"	20.0		115	60-140				
Naphthalene	19.0		"	20.0		94.8	70-130				
o-Xylene	20.6		"	20.0		103	70-130				
p- & m- Xylenes	40.6		"	40.0		102	70-130				
Tetrachloroethylene	12.6		"	20.0		63.0	73-127	Low Bias			
Toluene	20.3		"	20.0		101	74-126				
trans-1,2-Dichloroethylene	24.4		"	20.0		122	69-131				
trans-1,3-Dichloropropylene	20.5		"	20.0		103	50-150				
Trichloroethylene	19.9		"	20.0		99.4	66-134				
Trichlorofluoromethane	25.7		"	20.0		128	48-152				
Vinyl Chloride	22.1		"	20.0		111	4-196				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.0		"	10.0		100	78-126				
Surrogate: SURR: Toluene-d8	9.15		"	10.0		91.5	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.83		"	10.0		98.3	71-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

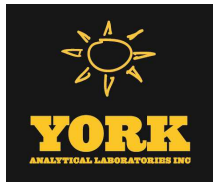
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31791 - EPA 5030B

LCS Dup (BE31791-BSD1)

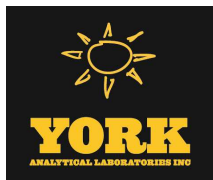
Prepared & Analyzed: 05/26/2023

1,1,1-Trichloroethane	25.6		ug/L	20.0		128	75-125	High Bias	1.38	30	
1,1,2,2-Tetrachloroethane	22.0		"	20.0		110	60-140		5.51	30	
1,1,2-Trichloroethane	21.2		"	20.0		106	71-129		3.35	30	
1,1-Dichloroethane	23.7		"	20.0		118	72-128		2.18	30	
1,1-Dichloroethylene	25.7		"	20.0		128	50-150		1.33	30	
1,2-Dichlorobenzene	19.9		"	20.0		99.4	63-137		1.47	30	
1,2-Dichloroethane	26.2		"	20.0		131	68-132		7.38	30	
1,2-Dichloropropane	20.7		"	20.0		103	34-166		1.32	30	
1,3-Dichlorobenzene	19.7		"	20.0		98.4	73-127		0.809	30	
1,4-Dichlorobenzene	19.7		"	20.0		98.6	63-137		0.814	30	
2-Chloroethylvinyl ether	0.00		"	20.0			20-224	Low Bias		30	
Acrolein	35.4		"	20.0		177	70-130	High Bias	13.3	30	
Acrylonitrile	27.5		"	20.0		137	70-130	High Bias	14.2	30	
Benzene	24.9		"	20.0		125	64-136		4.22	30	
Bromochloromethane	25.1		"	20.0		125	77-128		4.86	30	
Bromodichloromethane	20.8		"	20.0		104	65-135		0.0963	30	
Bromoform	22.5		"	20.0		113	71-129		2.38	30	
Bromomethane	22.6		"	20.0		113	14-186		0.889	30	
Carbon tetrachloride	26.4		"	20.0		132	73-127	High Bias	2.96	30	
Chlorobenzene	21.2		"	20.0		106	66-134		1.17	30	
Chloroethane	22.3		"	20.0		111	38-162		1.08	30	
Chloroform	24.5		"	20.0		123	67-133		4.08	30	
Chloromethane	20.4		"	20.0		102	0.5-204		0.733	30	
cis-1,2-Dichloroethylene	24.7		"	20.0		123	70-130		4.94	30	
cis-1,3-Dichloropropylene	20.6		"	20.0		103	24-176		2.11	30	
Dibromochloromethane	22.3		"	20.0		112	67-133		4.16	30	
Ethyl Benzene	20.2		"	20.0		101	59-141		1.28	30	
Methyl tert-butyl ether (MTBE)	25.4		"	20.0		127	70-130		8.14	30	
Methylene chloride	23.9		"	20.0		120	60-140		3.97	30	
Naphthalene	20.9		"	20.0		105	70-130		9.92	30	
o-Xylene	20.6		"	20.0		103	70-130		0.340	30	
p- & m- Xylenes	40.0		"	40.0		100	70-130		1.49	30	
Tetrachloroethylene	12.1		"	20.0		60.7	73-127	Low Bias	3.64	30	
Toluene	20.2		"	20.0		101	74-126		0.643	30	
trans-1,2-Dichloroethylene	25.2		"	20.0		126	69-131		3.47	30	
trans-1,3-Dichloropropylene	21.1		"	20.0		106	50-150		2.88	30	
Trichloroethylene	19.5		"	20.0		97.4	66-134		2.03	30	
Trichlorofluoromethane	26.1		"	20.0		130	48-152		1.51	30	
Vinyl Chloride	22.0		"	20.0		110	4-196		0.453	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	78-126				
Surrogate: SURR: Toluene-d8	8.99		"	10.0		89.9	84-117				
Surrogate: SURR: p-Bromofluorobenzene	9.75		"	10.0		97.5	71-130				



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

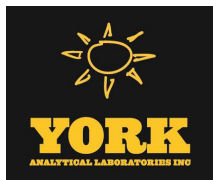
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
Batch BE31927 - EPA 200.7									
Blank (BE31927-BLK1)							Prepared & Analyzed: 05/31/2023		
Hardness, Total	ND	1.11	mg/L						
Duplicate (BE31927-DUP1)							*Source sample: 23E1369-02 (SW-6_52223)		
							Prepared & Analyzed: 05/31/2023		
Hardness, Total	ND	1.11	mg/L		ND			20	
Batch BE31956 - EPA 200.7									
Duplicate (BE31956-DUP1)							*Source sample: 23E1370-01 (Duplicate)		
							Prepared: 05/31/2023 Analyzed: 06/01/2023		
Hardness, Total	ND	1.11	mg/L		ND			20	



Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

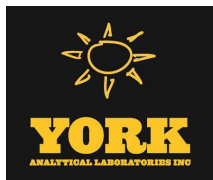
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31658 - EPA 300											
Blank (BE31658-BLK1)											
						Prepared & Analyzed: 05/23/2023					
Nitrate as N	ND	0.0500	mg/L								
Sulfate	ND	1.00	"								
LCS (BE31658-BS1)											
						Prepared & Analyzed: 05/23/2023					
Nitrate as N	10.1	0.0500	mg/L	10.0		101	90-110				
Sulfate	10.7	1.00	"	10.0		107	85-115				
Duplicate (BE31658-DUP1)											
*Source sample: 23E1369-06 (SW-2 52223)						Prepared & Analyzed: 05/23/2023					
Nitrate as N	1.67	0.0500	mg/L		1.67				0.156	15	
Sulfate	40.3	1.00	"		43.2				6.94	15	
Duplicate (BE31658-DUP2)											
*Source sample: 23E1364-01 (Duplicate)						Prepared & Analyzed: 05/23/2023					
Nitrate as N	0.869	0.0500	mg/L		0.891				2.42	15	
Sulfate	35.9	1.00	"		36.2				1.04	15	
Matrix Spike (BE31658-MS1)											
*Source sample: 23E1369-06 (SW-2 52223)						Prepared & Analyzed: 05/23/2023					
Nitrate as N	11.6	0.0500	mg/L	10.0	1.67	99.2	90-110				
Sulfate	46.4	1.00	"	10.0	43.2	31.7	85-115	Low Bias			
Matrix Spike (BE31658-MS2)											
*Source sample: 23E1364-01 (Matrix Spike)						Prepared & Analyzed: 05/23/2023					
Nitrate as N	8.56	0.0500	mg/L	10.0	0.891	76.7	90-110	Low Bias			
Sulfate	41.0	1.00	"	10.0	36.2	47.1	85-115	Low Bias			
Batch BE31767 - EPA 300											
Blank (BE31767-BLK1)											
						Prepared & Analyzed: 05/25/2023					
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
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 BE31767 - EPA 300											
LCS (BE31767-BS1)											
						Prepared & Analyzed: 05/25/2023					
Chloride	9.37	0.500	mg/L	10.0		93.7	90-110				
Nitrate as N	10.2	0.0500	"	10.0		102	90-110				
Sulfate	10.6	1.00	"	10.0		106	85-115				
Duplicate (BE31767-DUP1)											
*Source sample: 23E1566-01 (Duplicate)						Prepared & Analyzed: 05/25/2023					
Chloride	38.7	0.500	mg/L		38.8				0.244	15	
Nitrate as N	ND	0.0500	"		ND					15	
Sulfate	31.2	1.00	"		31.3				0.0432	15	
Duplicate (BE31767-DUP2)											
*Source sample: 23E1566-02 (Duplicate)						Prepared & Analyzed: 05/25/2023					
Chloride	33.5	0.500	mg/L		33.9				1.07	15	
Nitrate as N	ND	0.0500	"		ND					15	
Sulfate	22.3	1.00	"		22.5				1.09	15	
Matrix Spike (BE31767-MS1)											
*Source sample: 23E1566-01 (Matrix Spike)						Prepared & Analyzed: 05/25/2023					
Chloride	43.5	0.500	mg/L	10.0	38.8	47.1	85-115	Low Bias			
Nitrate as N	10.1	0.0500	"	10.0	ND	101	90-110				
Sulfate	39.0	1.00	"	10.0	31.3	77.0	85-115	Low Bias			
Matrix Spike (BE31767-MS2)											
*Source sample: 23E1566-02 (Matrix Spike)						Prepared & Analyzed: 05/25/2023					
Chloride	38.9	0.500	mg/L	10.0	33.9	50.5	85-115	Low Bias			
Nitrate as N	9.36	0.0500	"	10.0	ND	93.6	90-110				
Sulfate	31.1	1.00	"	10.0	22.5	85.5	85-115				
Batch BE31772 - EPA 300											
Blank (BE31772-BLK1)											
						Prepared & Analyzed: 05/26/2023					
Chloride	ND	0.500	mg/L								



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

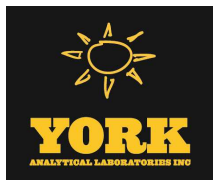
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31772 - EPA 300											
LCS (BE31772-BS1)						Prepared & Analyzed: 05/26/2023					
Chloride	9.03	0.500	mg/L	10.0		90.3	90-110				
Duplicate (BE31772-DUP1)						*Source sample: 23E1339-03 (Duplicate)					
						Prepared & Analyzed: 05/26/2023					
Chloride	ND	0.500	mg/L		ND					15	
Duplicate (BE31772-DUP2)						*Source sample: 23E1369-07 (SW-1_52223)					
						Prepared & Analyzed: 05/26/2023					
Chloride	52.0	5.00	mg/L		51.6				0.814	15	
Matrix Spike (BE31772-MS1)						*Source sample: 23E1339-03 (Matrix Spike)					
						Prepared & Analyzed: 05/26/2023					
Chloride	ND	0.500	mg/L	10.0	ND		85-115	Low Bias			
Batch BE31891 - EPA 300											
Blank (BE31891-BLK1)						Prepared & Analyzed: 05/30/2023					
Chloride	0.0765	0.500	mg/L								
LCS (BE31891-BS1)						Prepared & Analyzed: 05/30/2023					
Chloride	9.24	0.500	mg/L	10.0		92.4	90-110				
Duplicate (BE31891-DUP1)						*Source sample: 23E1304-02 (Duplicate)					
						Prepared & Analyzed: 05/30/2023					
Chloride	2.24	0.500	mg/L		2.22				1.01	15	
Duplicate (BE31891-DUP2)						*Source sample: 23E1226-01 (Duplicate)					
						Prepared & Analyzed: 05/30/2023					
Chloride	52.7	0.500	mg/L						200	15	Non-dir.
Matrix Spike (BE31891-MS1)						*Source sample: 23E1304-02 (Matrix Spike)					
						Prepared & Analyzed: 05/30/2023					
Chloride	12.5	0.500	mg/L	10.0	2.22	103	85-115				



Anions by Ion Chromatography - Quality Control Data

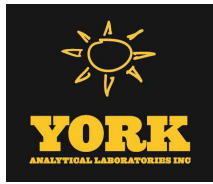
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31891 - EPA 300											
Matrix Spike (BE31891-MS2)											
*Source sample: 23E1226-01 (Matrix Spike)						Prepared & Analyzed: 05/30/2023					
Chloride	53.3	0.500	mg/L	10.0		533	85-115	High Bias			
Matrix Spike Dup (BE31891-MSD1)											
*Source sample: 23E1304-02 (Matrix Spike Dup)						Prepared & Analyzed: 05/30/2023					
Chloride	12.6	0.500	mg/L	10.0	2.22	104	85-115		0.477	20	
Matrix Spike Dup (BE31891-MSD2)											
*Source sample: 23E1226-01 (Matrix Spike Dup)						Prepared & Analyzed: 05/30/2023					
Chloride	53.2	0.500	mg/L	10.0		532	85-115	High Bias	0.0934	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 BE31749 - Analysis Preparation											
Blank (BE31749-BLK1)											
										Prepared & Analyzed: 05/25/2023	
Ammonia Nitrogen as NH3	ND	0.0500	mg/L								
LCS (BE31749-BS1)											
										Prepared & Analyzed: 05/25/2023	
Ammonia Nitrogen as NH3	1.07	0.0500	mg/L				85-125				
Duplicate (BE31749-DUP1)											
*Source sample: 23E1369-07 (SW-1_52223)										Prepared & Analyzed: 05/25/2023	
Ammonia Nitrogen as NH3	0.0706	0.0500	mg/L		0.0708				0.340	15	
Matrix Spike (BE31749-MS1)											
*Source sample: 23E1369-07 (SW-1_52223)										Prepared & Analyzed: 05/25/2023	
Ammonia Nitrogen as NH3	10.5	0.0500	mg/L		0.0708		80-120				
Matrix Spike Dup (BE31749-MSD1)											
*Source sample: 23E1369-07 (SW-1_52223)										Prepared & Analyzed: 05/25/2023	
Ammonia Nitrogen as NH3	10.6	0.0500	mg/L		0.0708		80-120		0.948	200	
Batch BE31762 - Analysis Preparation											
Duplicate (BE31762-DUP1)											
*Source sample: 23E1369-07 (SW-1_52223)										Prepared & Analyzed: 05/26/2023	
Alkalinity, total	44	2.0	mg/L		48				8.70	15	
Reference (BE31762-SRM1)											
										Prepared & Analyzed: 05/26/2023	
Alkalinity, total	58		mg/L	60.8		95.4	90-110				
Batch BE31763 - Analysis Preparation											
Blank (BE31763-BLK1)											
										Prepared & Analyzed: 05/26/2023	
Bicarbonate	ND	2.00	mg/L								

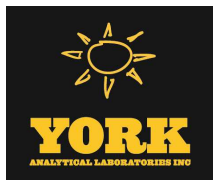


Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

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

Batch BE31763 - Analysis Preparation

Duplicate (BE31763-DUP1)		*Source sample: 23E1369-07 (SW-1_52223)					Prepared & Analyzed: 05/26/2023				
Bicarbonate	44.0	2.00	mg/L		48.0				8.70	15	



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

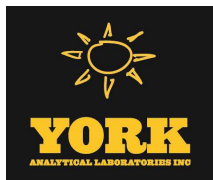
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE31671 - % Solids Prep

Blank (BE31671-BLK1)							Prepared: 05/24/2023 Analyzed: 05/26/2023				
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BE31671-DUP1) *Source sample: 23E1282-03 (Duplicate)							Prepared: 05/24/2023 Analyzed: 05/26/2023				
Total Dissolved Solids	370	10.0	mg/L		368				0.542	15	
Duplicate (BE31671-DUP2) *Source sample: 23E1369-05 (SW-3_52223)							Prepared: 05/24/2023 Analyzed: 05/26/2023				
Total Dissolved Solids	357	10.0	mg/L		346				3.13	15	

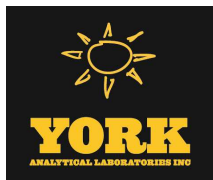
Batch BE31759 - % Solids Prep

Blank (BE31759-BLK1)							Prepared & Analyzed: 05/25/2023				
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BE31759-DUP1) *Source sample: 23D1549-01 (Duplicate)							Prepared & Analyzed: 05/25/2023				
Total Dissolved Solids	330	10.0	mg/L		334				1.20	15	
Duplicate (BE31759-DUP2) *Source sample: 23E1566-01 (Duplicate)							Prepared & Analyzed: 05/25/2023				
Total Dissolved Solids	310	10.0	mg/L		318				2.55	15	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23E1369-01	SW-7_52223	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1369-02	SW-6_52223	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1369-03	SW-5_52223	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1369-04	SW-4_52223	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1369-05	SW-3_52223	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1369-06	SW-2_52223	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1369-07	SW-1_52223	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23E1369-08	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



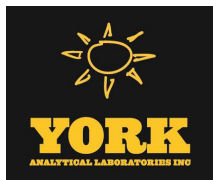
Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-11	The spike recovery or RPD may not be available or within QC limits because of sample dilution due to high analyte concentration and/or matrix interference.
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.
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.
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.

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.

Revision Description: This report has been revised to update the VOA compound list.

