76 AINSLIE STREET

BROOKLYN, NEW YORK

Supplemental Remedial Investigation Report

E-Designation E-138

CEQR Number 04DCP003K

OER Project Number 16EHAZ222K

Greenpoint-Williamsburg Rezoning

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOB	New York City Department of Buildings
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database
SRIR	Supplemental Remedial Investigation Report

CERTIFICATION

I, James P. Cinelli, P.E., BCEE, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 76 Ainslie Street Site, (NYC VCP Site No. 16EHAZ222K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

James P. Cinelli, P.E., BCEE 5/6/2016

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

This Supplemental Remedial Investigation Report (SRIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The supplemental remedial investigation (RI) described in this document is consistent with applicable guidance.

Summary of the Work Performed under the Supplemental Remedial Investigation

The supplemental remedial investigation included the following scope of work:

1. Conducted a site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed three soil borings through the concrete floor which were converted into three temporary groundwater monitoring wells, one in each soil boring.
3. Three (3) groundwater samples were collected for chemical analysis, one from each of the groundwater monitoring wells, to evaluate the groundwater quality for investigation.
4. Temporary groundwater monitoring wells were surveyed, and a synoptic groundwater elevation measurement was collected to determine groundwater elevation and gradient.

Summary of Environmental Findings

5. Elevation of the building floor slab is approximately 19.6 feet above mean sea level (amsl).
6. Based on groundwater elevation measurements, groundwater elevation is between approximately 4.83 and 4.91 feet amsl at the site.
7. Groundwater gradient is 0.002 ft/ft east as depicted on Figure 1. Based on a review of topography and surface water draining, groundwater is expected to flow generally to the north-northwest.
8. Depth to bedrock is unknown at the site.
9. The stratigraphy of the site, from the surface down, consists of approximately 6 to 9 feet of historical fill material underlain by sandy clay loam with pebble clasts. The site is underlain by the Raritan Formation from the Upper Cretaceous series, described as

primarily clay with silty clay, sand and gravel as part of coastal plain sediments to an unknown depth.

10. Groundwater sample results from the 2013 Phase II Report were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Three VOCs, chloroform, trichloroethylene, and tetrachloroethylene was detected at trace concentrations in the 3 groundwater samples are below their respective GQS for VOCs. SVOCs, pesticides, PCBs and dissolved metals were not tested during the 2013 limited investigation.

11. Groundwater sample results from the Supplemental Remedial Investigation were compared to Class GA GQS. Eleven (11) VOCs were detected in groundwater samples; however, none exceeded the GQS. Detected VOCs include TCA (max. 0.75 micrograms per liter (µg/l)), 1,1-dichloroethylene (max. 0.26 µg/l), 1,2,4-trimethylbenzene (max. 0.35 µg/l), acetone (max. 3.3 µg/l), bromodichloromethane (max. 0.63 µg/l), bromoform (max. 0.64 µg/l), chloroform (max. 5.1 µg/l), dibromochloromethane (max. 0.66 µg/l), dichlorodifluoromethane (max. 4.5 µg/l), PCE (max. 0.58 µg/l), and TCE (max. 0.24 µg/l). Two (2) SVOC including naphthalene (max. 0.24 µg/l), and phenanthrene (max. 0.11 µg/l) exceeded the GQS. One (1) pesticide (dieldrin 0.0056 µg/l), was detected in groundwater samples above the GQS of 0.004 µg/l in GP-10. No PCBs were detected in the groundwater samples collected as part of this investigation. Ten (10) metals were detected in groundwater samples. The detected metals include barium (max. 44 µg/l), calcium (max. 92,700 µg/l), copper (max. 7 µg/l), iron (max. 163 µg/l), lead (max. 4 µg/l), magnesium (max. 33,200 µg/l), manganese (max. 522 µg/l), potassium (max. 12,300 µg/l), sodium (max. 109,00 µg/l), and zinc (max. 15 µg/l). The concentrations of metals which exceed the GQS are manganese in GP-8 (388 µg/l), and GP-9 (522 µg/l), which has a limit of 300 µg/l, and sodium in GP-8 (50,800 µg/l), GP-9 (59,000 µg/l), and GP-10 (109,000 µg/l), which has a limit of 20,000 µg/l.

SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Horrigan Development LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.11-acre site located at 76 Ainslie Street in the Williamsburg section of Brooklyn, New York. A commercial use is proposed for the property. The Supplemental RI field work was performed between April 18th, 2016 and April 19th, 2016. This SRIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Previous Investigations

A limited subsurface investigation was completed at the 76 Ainslie Street site on November 22, 2013 by Merritt Environmental Consulting Corp. for Horrigan Development. The 2013 limited investigation was completed in order to evaluate soil and groundwater conditions beneath the site. During this investigation, one soil and one groundwater sample were collected from each of the three borings advanced at the site. Soil sample depths ranged from 3 to 7 feet bgs. The three soil samples were analyzed for VOCs, polychlorinated biphenyls (PCBs) and target analyte list (TAL) metals. The three groundwater samples, one collected from each of the temporary groundwater monitoring wells that were installed in the soil borings, were analyzed for VOCs. All samples collected during the 2013 limited investigation were sent to Chemtech Laboratories for analysis. Results of 2013 limited investigation did not exceed the 6NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives (UUSCOs) for VOCs in soil or New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS) for VOCs in groundwater. The only VOC detected in soil was methylene chloride. The VOCs detected in groundwater were chloroform, trichloroethene (TCE), and perchloroethylene (PCE). Concentrations of heavy metals were detected in soil, including arsenic, barium, lead, and mercury, which exceeded the RCSCOs in two of the samples collected. No PCBs were detected in soil. Groundwater was found at approximately 17 feet bgs across the site during the 2013 limited investigation.

A remedial investigation was conducted at the 76 Ainslie Street site between January 21st, 2016 and January 25th, 2016 by Liberty Environmental, Inc. for Horrigan Development. The purpose of the remedial investigation was to evaluate soil quality and soil vapor conditions beneath the site. During this investigation, four soil borings were installed at different locations at the project site, and eight soil samples were collected for chemical analysis from the soil borings to evaluate soil quality. Fifteen (15) soil samples were collected and analyzed for waste classification purposes. Eight soil samples were analyzed for target compound list VOCs and SVOCs, pesticides, polychlorinated biphenyls (PCBs), and TAL metals. Three soil vapor samples and one sub-slab vapor sample were collected and submitted for laboratory analysis of VOCs (EPA Method TO-15).

All samples collected during the 2016 RI were sent to York Analytical Laboratories for analysis. Results of 2016 RI did not detect any regulated substances that exceed the 6NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives (UUSCOs) for VOCs in soil. The only VOC detected in soil was methylene chloride which is a common laboratory relic. Soil vapor samples collected during the 2016 RI indicate that petroleum-related VOCs were present at low concentrations.

Exceedances of NYSDOH guidance values include PCE detected in sub-slab vapor in GP-7, and 1,1,1-trichloroethane (TCA) detected in soil vapor in GP-4. Concentrations of TCA were above the mitigation level ranges established within the NYSDOH soil vapor guidance matrix. Several SVOCs consisting of Polycyclic Aromatic Hydrocarbons (PAHs) were detected, with benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, exceeding Unrestricted Use SCOs within shallow soil samples. Of those, benzo(a)pyrene and dibenzo(a,h)anthracene also exceeded Restricted Commercial SCOs in shallow soil samples and waste characterization samples. Several metals including arsenic, barium, copper, lead, mercury, and zinc exceeded Unrestricted Use SCOs in soil samples. Of those, barium and mercury also exceeded Restricted Commercial SCOs in soil samples. One PCB was detected in one soil sample below its respective SCO. None of the soil samples collected from the 13 to 15-foot interval (in native soil) exceeded RCSCOs.

Site plans depicting the locations of samples collected during the 2013 and 2016 investigations and a copy of Merritt's 2013 Focused Subsurface Investigation Report is provided in the 2016 Liberty Remedial Investigation Report, submitted to OER on March 4, 2016.

1.2 Areas of Concern

Sitewide groundwater was the area of concern for this supplemental investigation. Specifically, since previous groundwater investigation activities only included analysis of groundwater samples for VOCs, additional sampling and analysis of groundwater for metals, SVOCs and PCBs was required by OER.

2.0 PROJECT MANAGEMENT

2.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is James P. Cinelli, P.E., BCEE. Raphael J. Rosenbaum, Project Scientist II, performed this supplemental remedial investigation under the direction of James P. Cinelli, P.E., BCEE, and Andrew R. Fetterman, P.G.

2.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including site and OSHA worker safety requirements and HAZWOPER requirements.

2.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

3.0 REMEDIAL INVESTIGATION ACTIVITIES

The remedial investigation included the following scope of work:

1. Conducted a site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed three soil borings through the concrete floor which were converted into three temporary groundwater monitoring wells, one in each soil boring.
3. Three (3) groundwater samples were collected for chemical analysis, one from each of the groundwater monitoring wells, to evaluate the groundwater quality for investigation.
4. Temporary groundwater monitoring wells were surveyed, and a synoptic groundwater elevation measurement was collected to determine groundwater elevation and gradient.

3.1 Geophysical Investigation

A geophysical survey was not performed prior to intrusive activities. All borings were advanced within the building footprint. Locations near the boring locations that were used during the 2013 and 2016 investigations were targeted in an effort to reduce the likelihood of potential encounters with underground obstructions. A utility mark-out was conducted at the site prior to any intrusive activities.

3.2 Monitoring Well Installation

Drilling and Soil Logging

During the soil investigation, each boring was advanced using Geoprobe® direct push technology to the desired depth and/or refusal. Soil cores were obtained in continuous intervals within dedicated plastic sleeves using pre-cleaned, stainless-steel sampling rods. Soils within each boring were logged for various characteristics such as recovery, soil type, moisture, grain size, color, soil/fill types, the presence of free and/or residual product, visual and olfactory evidence of chemical impact, and were field-screened for the presence of volatile organic vapors using a MiniRAE 2000 photo-ionization detector (PID) in soil headspace.

Boring logs were prepared by a project scientist and are provided in Appendix A.

Groundwater Monitoring Well Construction

On April 18, 2016, three temporary well points, GP-8, GP-9, and GP-10, were installed using Geoprobe® direct push technology. The temporary well points were advanced to between 21 to 22 feet bgs as groundwater was encountered between 17 and 18 feet bgs throughout the site. The temporary wells were installed in the locations of soil borings GP-8, GP-9, and GP-10. Each temporary well was constructed of one-inch diameter, schedule 40 PVC casing and one-inch diameter, 0.020-inch slotted (20 slot) pipe screen with a pre-packed well screen filled with quartz silica sand, flush-threaded onto the PVC casing. The annulus of the soil boring around each well was filled with quartz silica sand, extending from the bottom of the borehole to 6 inches below the penetration of the concrete slab. Groundwater monitoring well locations are shown in Figure 1.

Survey

Manual field measurements as well as a rotary laser level measurements were utilized to determine the location and elevation of each temporary groundwater monitoring well during the investigation. All field elevation measurements were made relative to mean sea level as based on the professionally surveyed elevation of the wester-corner of the loading dock floor depicted on Joseph Nicoletti Associates' Architectural Survey, dated January 9, 2014 (Figure 1). On April 19, 2016, a synoptic groundwater elevation measurement was collected by Liberty personnel, to calculate static groundwater gradient at the site.

A groundwater contour map is shown in Figure 1.

4.0 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, field instrument measurements, odor, or other field indicators. Groundwater has been sampled and evaluated in this SRIR. Soil and soil vapor were sampled and evaluated previously as described in the 2016 RIR. The sampling performed and presented in this SRIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy. Methodologies used in groundwater sampling as part of this field investigation conform

to EPA low-flow purging and sampling procedures for the collection of groundwater samples from monitoring wells.

4.1 Groundwater Sampling

Three groundwater samples were collected for chemical analysis during the groundwater investigation conducted on April 18 and 19, 2016. Dedicated polyethylene tubing was installed in each well and extended to the bottom of the well. Prior to collecting groundwater samples, the wells were developed by purging a minimum of three volumes of groundwater from each well using a peristaltic pump to remove suspended solids from the well due to drilling and installation of the soil boring.

A Horiba U-53 water quality meter was utilized to collect groundwater quality data. Following purging and monitoring, the dedicated tubing was disconnected from the water quality meter and a sample of groundwater was then collected directly from the pump discharge into laboratory-issued containers by a project scientist. All groundwater samples were placed directly into a cooler on ice and were received by a courier for the laboratory the following day. The samples were submitted to York Analytical Laboratory of Stratford, CT (a NY-ELAP certified laboratory). Groundwater monitoring purge logs are provided in Appendix B.

As part of the groundwater investigation, dedicated groundwater filters of 0.45 micron size were used to remove suspended sediments from groundwater samples for dissolved metals analysis in agreement with OER to serve as a quality assurance/quality control (QA/QC) to reduce interference in metals analysis from suspended soil particles in the groundwater samples. Only groundwater samples for dissolved metals analysis utilized the groundwater filters. All other groundwater samples were not filtered in the field.

4.2 Chemical Analysis

Chemical analyses presented in this RIR were performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by James P. Cinelli, P.E., BCEE
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the SRI is York Analytical Laboratories, Inc. which is NYS ELAP certified

Chemical Analytical Methods	Remedial investigation soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000);

4.3 Results of Chemical Analyses

The laboratory data is summarized in Tables 1a through 1c. Detections in laboratory data are reported in Table 2, with a comparison to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Laboratory data deliverables for groundwater monitoring well samples evaluated in this SRIR are provided in digital form in Appendix C.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

According to the USDA NRCS New York City Reconnaissance Soil Survey (2005), soils underlying the site are characterized as urban land consisting of pavement and buildings over till substratum with zero to five percent slopes, which consists of nearly level to gently sloping, highly urbanized areas with more than 80 percent of the surface cover by impervious pavement and buildings. Based on the NYS Geological Survey, NYS Museum Technology Center (1999), *1:250,000 Bedrock Geology of NYS Map*, the site is likely underlain by the Raritan Formation from the Upper Cretaceous series, described as primarily clay with silty clay, sand and gravel as part of coastal plain sediments.

Based on observations from the soil investigation, historical fill material is located to depths of 6 to 9 feet bgs. It is difficult to determine the exact depth of the historical fill to native soil interface due to partial collapse of the walls of the soil boring during the course of probing activities. Generally, sandy clay loam with pebble clasts was observed beneath the historical fill material. Equipment refusal was encountered at a range of depths from approximately 6 inches bgs (believed to be building footers) to 5 feet bgs. Void spaces were encountered particularly in the GP-6 boring location, indicating the presence of large debris such as fill material, concrete or boulders.

Hydrogeology

Groundwater was encountered at an elevation between 4.83 feet (GP-8) and 4.91 feet amsl (GP-9) during this investigation. Soils in boring locations GP-8, GP-9, and GP-10 were characterized by wet conditions at approximately 17 to 18 feet bgs. An open excavation exists in the adjacent property to the west, 66 Ainslie Street (Block 2375, Lot 5), at a depth of approximately 15 to 20 feet below sidewalk grade (estimated to be between 1.29 and -3.71 feet amsl). Groundwater is anticipated to flow north-northwest towards the East River based on regional topography and drainage. However, based on the groundwater contours from the April 18, 2016 monitoring well gauging, groundwater gradient was 0.002 ft/ft east. While unexpected, a southeasterly groundwater gradient may be the result of localized influences on groundwater flow. A groundwater contour map is provided in Figure 1.

5.2 Groundwater Chemistry

Three groundwater samples were collected from the site to determine the concentration ranges and distributions of contaminants. All three samples were analyzed for a full suite of analyses as stipulated by OER representatives. Analytical results were compared to New York State 6NYCRR Part 703.5 Class GA GQS.

Volatile Organic Compounds

Eleven (11) VOCs were detected in groundwater samples; however, none of the detected VOCs exceeded the GQS. Detected VOCs include TCA (max. 0.75 µg/l), 1,1-dichloroethylene (max. 0.26 µg/l), 1,2,4-trimethylbenzene (max. 0.35 µg/l), acetone (max. 3.3 µg/l), bromodichloromethane (max. 0.63 µg/l), bromoform (max. 0.64 µg/l), chloroform (max. 5.1 µg/l), dibromochloromethane (max. 0.66 µg/l), dichlorodifluoromethane (max. 4.5 µg/l), PCE (max. 0.58 µg/l), and TCE (max. 0.24 µg/l).

Semi-Volatile Organic Compounds

Two (2) SVOC were detected in groundwater samples; however, none of the detected SVOCs exceeded the GQS. Detected SVOCs include naphthalene (max. 0.24 µg/l), and phenanthrene (max. 0.11 µg/l).

Pesticides

One (1) pesticide was detected in groundwater samples above the GQS. Dieldrin has a standard of 0.004 µg/l, and was detected in GP-10 at a concentration of 0.0056 µg/l. Dieldrin was not detected in the other groundwater samples, and no other pesticides were detected.

Polychlorinated Biphenyls (PCBs)

No PCBs were detected in the groundwater samples collected as part of this investigation.

Metals

Ten (10) metals were detected in groundwater samples. The detected metals include barium (max. 44 µg/l), calcium (max. 92,700 µg/l), copper (max. 7 µg/l), iron (max. 163 µg/l), lead (max. 4 µg/l), magnesium (max. 33,200 µg/l), manganese (max. 522 µg/l), potassium (max. 12,300 µg/l), sodium (max. 109,00 µg/l), and zinc (max. 15 µg/l). The concentrations of metals

which exceed the GQS are manganese in GP-8 (388 µg/l), and GP-9 (522 µg/l), which has a limit of 300 µg/l, and sodium in GP-8 (50,800 µg/l), GP-9 (59,000 µg/l), and GP-10 (109,000 µg/l), which has a limit of 20,000 µg/l.

Data collected during the supplemental remedial investigation is sufficient to delineate the vertical and horizontal distribution of contaminants in shallow groundwater at the site. A summary table of analytical data for chemical analyses performed on groundwater samples is included in Tables 1a through 1c, and detected compounds in groundwater are reported in Table 2, with a comparison to New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Figure 2 shows the location and summarizes the values for groundwater that exceed the GQS.

5.3 Prior Activity

Based on an evaluation of the data and information summarized in this SRIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.4 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

Table 1a - Groundwater Analytical Data Summary
Volatile Organic Compounds
76 Ainslie Street, Brooklyn, New York
OER Project No. 16EHAZ222K
Liberty Project No. 160020

Sample ID		GP-8		GP-9		GP-10		TRIP BLANK		B1GW		B2GW		B3GW	
Laboratory ID		16D0677-01		16D0677-02		16D0677-03		16D0677-04		E4600-04		E4600-05		E4600-06	
Sampling Date		4/18/2016 5:56:00 PM		4/18/2016 6:58:00 PM		4/18/2016 7:47:00 PM		4/18/2016 3:00:00 PM		11/22/2013		11/22/2013		11/22/2013	
Client Matrix		Water		Water		Water		Water		Water		Water		Water	
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1		1		1		1		1		1		1	
1,1,1,2-Tetrachloroethane	630-20-6	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,1,1-Trichloroethane	71-55-6	0.20	U	0.20	U	0.74		0.20	U	0.75	U	0.75	U	0.75	U
1,1,2,2-Tetrachloroethane	79-34-5	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11	76-13-1	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,1,2-Trichloroethane	79-00-5	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,1-Dichloroethane	75-34-3	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethylene	75-35-4	0.20	U	0.20	U	0.26	J	0.20	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	87-61-6	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,2,3-Trichloropropane	96-18-4	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,2,4-Trichlorobenzene	120-82-1	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,2,4-Trimethylbenzene	95-63-6	0.35	J	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	96-12-8	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,2-Dibromoethane	106-93-4	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,2-Dichlorobenzene	95-50-1	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,2-Dichloroethane	107-06-2	0.20	U	0.20	U	0.20	U	0.20	U	0.75	U	0.75	U	0.75	U
1,2-Dichloropropane	78-87-5	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
1,3,5-Trimethylbenzene	108-67-8	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	541-73-1	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	106-46-7	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
1,4-Dioxane	123-91-1	40	U	40	U	40	U	40	U	NT		NT		NT	
2-Butanone	78-93-3	0.20	U	0.20	U	0.20	U	0.20	U	2.50	U	2.50	U	2.50	U
2-Hexanone	591-78-6	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
4-Methyl-2-pentanone	108-10-1	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Acetone	67-64-1	3.30		2.20		1.40	J	1.30	J	2.50	U	2.50	U	2.50	U
Acrolein	107-02-8	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Acrylonitrile	107-13-1	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Benzene	71-43-2	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	74-97-5	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Bromodichloromethane	75-27-4	0.63		0.40	J	0.20	U	0.20	U	NT		NT		NT	
Bromoform	75-25-2	0.64		0.20	U	0.20	U	0.20	U	NT		NT		NT	
Bromomethane	74-83-9	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Carbon disulfide	75-15-0	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Carbon tetrachloride	56-23-5	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	108-90-7	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Chloroethane	75-00-3	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Chloroform	67-66-3	1.20		5.10		0.28	J	0.20	U	0.53	J	0.97	J	0.46	J
Chloromethane	74-87-3	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
cis-1,2-Dichloroethylene	156-59-2	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropylene	10061-01-5	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Cyclohexane	110-82-7	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Dibromochloromethane	124-48-1	0.66		0.24	J	0.20	U	0.20	U	NT		NT		NT	
Dibromomethane	74-95-3	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Dichlorodifluoromethane	75-71-8	1.50		4.50		0.41	J	0.20	U	NT		NT		NT	
Ethyl Benzene	100-41-4	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Hexachlorobutadiene	87-68-3	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Isopropylbenzene	98-82-8	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Methyl acetate	79-20-9	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Methyl tert-butyl ether (MTBE)	1634-04-4	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	108-87-2	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Methylene chloride	75-09-2	1.00	U	1.00	U	1.00	U	1.00	U	0.50	U	0.50	U	0.50	U
n-Butylbenzene	104-51-8	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
n-Propylbenzene	103-65-1	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
o-Xylene	95-47-6	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
p- & m- Xylenes	179601-23-1	0.50	U	0.50	U	0.50	U	0.50	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	99-87-6	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
sec-Butylbenzene	135-98-8	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Styrene	100-42-5	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
tert-Butyl alcohol (TBA)	75-65-0	0.50	U	0.50	U	0.50	U	0.50	U	NT		NT		NT	
tert-Butylbenzene	98-06-6	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Tetrachloroethylene	127-18-4	0.27	J	0.20	U	0.58		0.20	U	0.45	J	0.64	J	1.90	J
Toluene	108-88-3	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethylene	156-60-5	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropylene	10061-02-6	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Trichloroethylene	79-01-6	0.20	U	0.20	U	0.24	J	0.20	U	0.50	U	0.50	U	0.89	J
Trichlorofluoromethane	75-69-4	0.20	U	0.20	U	0.20	U	0.20	U	NT		NT		NT	
Vinyl Chloride	75-01-4	0.20	U	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Xylenes, Total	1330-20-7	0.60	U	0.60	U	0.60	U	0.60	U	1.50	U	1.50	U	1.50	U

NOTES:

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

Table 1b - Groundwater Analytical Data Summary
Semi-Volatile Organic Compounds
76 Ainslie Street, Brooklyn, New York
OER Project No. 16EHAZ222K
Liberty Project No. 160020

Sample ID		GP-8		GP-9		GP-10		TRIP BLANK		B1GW		B2GW		B3GW	
Laboratory ID		16D0677-01		16D0677-02		16D0677-03		16D0677-04		E4600-04		E4600-05		E4600-06	
Sampling Date		4/18/2016 5:56:00 PM		4/18/2016 6:58:00 PM		4/18/2016 7:47:00 PM		4/18/2016 3:00:00 PM		11/22/2013		11/22/2013		11/22/2013	
Client Matrix		Water		Water		Water		Water		Water		Water		Water	
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Semi-Volatiles, 8270 - Comprehensive		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1		1		1		1		1		1		1	
1,1'-Biphenyl	92-52-4	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
1,2,4,5-Tetrachlorobenzene	95-94-3	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
1,2,4-Trichlorobenzene	120-82-1	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
1,2-Dichlorobenzene	95-50-1	2.50	U	2.50	U	2.50	U	NT		0.5	U	NT		NT	
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
1,3-Dichlorobenzene	541-73-1	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
1,4-Dichlorobenzene	106-46-7	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2,3,4,6-Tetrachlorophenol	58-90-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2,4,5-Trichlorophenol	95-95-4	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2,4,6-Trichlorophenol	88-06-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2,4-Dichlorophenol	120-83-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2,4-Dimethylphenol	105-67-9	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2,4-Dinitrophenol	51-28-5	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2,4-Dinitrotoluene	121-14-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2,6-Dinitrotoluene	606-20-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2-Chloronaphthalene	91-58-7	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2-Chlorophenol	95-57-8	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2-Methylnaphthalene	91-57-6	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2-Methylphenol	95-48-7	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2-Nitroaniline	88-74-4	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
2-Nitrophenol	88-75-5	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
3- & 4-Methylphenols	65794-96-9	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
3,3'-Dichlorobenzidine	91-94-1	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
3-Nitroaniline	99-09-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
4,6-Dinitro-2-methylphenol	534-52-1	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
4-Bromophenyl phenyl ether	101-55-3	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
4-Chloro-3-methylphenol	59-50-7	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
4-Chloroaniline	106-47-8	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
4-Chlorophenyl phenyl ether	7005-72-3	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
4-Nitroaniline	100-01-6	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
4-Nitrophenol	100-02-7	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Acenaphthene	83-32-9	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Acenaphthylene	208-96-8	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Acetophenone	98-86-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Aniline	62-53-3	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Anthracene	120-12-7	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Atrazine	1912-24-9	0.50	U	0.50	U	0.50	U	NT		NT		NT		NT	
Benzaldehyde	100-52-7	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Benzidine	92-87-5	10	U	10	U	10	U	NT		NT		NT		NT	
Benzo(a)anthracene	56-55-3	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Benzo(a)pyrene	50-32-8	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Benzo(b)fluoranthene	205-99-2	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Benzo(g,h,i)perylene	191-24-2	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Benzo(k)fluoranthene	207-08-9	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Benzoic acid	65-85-0	25	U	25	U	25	U	NT		NT		NT		NT	
Benzyl alcohol	100-51-6	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Benzyl butyl phthalate	85-68-7	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Bis(2-chloroethoxy)methane	111-91-1	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Bis(2-chloroethyl)ether	111-44-4	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Bis(2-chloroisopropyl)ether	108-60-1	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Bis(2-ethylhexyl)phthalate	117-81-7	0.50	U	0.50	U	0.50	U	NT		NT		NT		NT	
Caprolactam	105-60-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Carbazole	86-74-8	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Chrysene	218-01-9	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Dibenzo(a,h)anthracene	53-70-3	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Dibenzofuran	132-64-9	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Diethyl phthalate	84-66-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Dimethyl phthalate	131-11-3	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Di-n-butyl phthalate	84-74-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Di-n-octyl phthalate	117-84-0	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Fluoranthene	206-44-0	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Fluorene	86-73-7	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Hexachlorobenzene	118-74-1	0.020	U	0.020	U	0.020	U	NT		NT		NT		NT	
Hexachlorobutadiene	87-68-3	0.50	U	0.50	U	0.50	U	NT		NT		NT		NT	
Hexachlorocyclopentadiene	77-47-4	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Hexachloroethane	67-72-1	0.50	U	0.50	U	0.50	U	NT		NT		NT		NT	
Indeno(1,2,3-cd)pyrene	193-39-5	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Isophorone	78-59-1	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Naphthalene	91-20-3	0.24		0.050	U	0.050	U	NT		0.5	U	NT		NT	
Nitrobenzene	98-95-3	0.25	U	0.25	U	0.25	U	NT		NT		NT		NT	
N-Nitrosodimethylamine	62-75-9	0.50	U	0.50	U	0.50	U	NT		NT		NT		NT	
N-nitroso-di-n-propylamine	621-64-7	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
N-Nitrosodiphenylamine	86-30-6	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Pentachlorophenol	87-86-5	0.25	U	0.25	U	0.25	U	NT		NT		NT		NT	
Phenanthrene	85-01-8	0.11		0.070		0.050	U	NT		NT		NT		NT	
Phenol	108-95-2	2.50	U	2.50	U	2.50	U	NT		NT		NT		NT	
Pyrene	129-00-0	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	

NOTES:
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NT=this indicates the analyte was not a target for this sample

Table 1c - Groundwater Analytical Data Summary
Pesticides, Polychlorinated Biphenyls, and Metals
76 Ainslie Street, Brooklyn, New York
OER Project No. 16EHAZ222K
Liberty Project No. 160020

Sample ID		GP-8		GP-9		GP-10		TRIP BLANK		B1GW		B2GW		B3GW	
Laboratory ID		16D0677-01		16D0677-02		16D0677-03		16D0677-04		E4600-04		E4600-05		E4600-06	
Sampling Date		4/18/2016 5:56:00 PM		4/18/2016 6:58:00 PM		4/18/2016 7:47:00 PM		4/18/2016 3:00:00 PM		11/22/2013		11/22/2013		11/22/2013	
Client Matrix		Water		Water		Water		Water		Water		Water		Water	
Compound	**CAS Number**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Pesticides, EPA TCL List		ug/L		ug/L		ug/L									
Dilution Factor		1		1		1									
4,4'-DDD	72-54-8	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
4,4'-DDE	72-55-9	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
4,4'-DDT	50-29-3	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Aldrin	309-00-2	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
alpha-BHC	319-84-6	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
beta-BHC	319-85-7	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Chlordane, total	57-74-9	0.040	U	0.040	U	0.040	U	NT		NT		NT		NT	
delta-BHC	319-86-8	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Dieldrin	60-57-1	0.0020	U	0.0020	U	0.0056		NT		NT		NT		NT	
Endosulfan I	959-98-8	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Endosulfan II	33213-65-9	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Endosulfan sulfate	1031-07-8	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Endrin	72-20-8	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Endrin aldehyde	7421-93-4	0.010	U	0.010	U	0.010	U	NT		NT		NT		NT	
Endrin ketone	53494-70-5	0.010	U	0.010	U	0.010	U	NT		NT		NT		NT	
gamma-BHC (Lindane)	58-89-9	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Heptachlor	76-44-8	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Heptachlor epoxide	1024-57-3	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Methoxychlor	72-43-5	0.0040	U	0.0040	U	0.0040	U	NT		NT		NT		NT	
Toxaphene	8001-35-2	0.10	U	0.10	U	0.10	U	NT		NT		NT		NT	
Polychlorinated Biphenyls (PCB)		ug/L		ug/L		ug/L									
Dilution Factor		1		1		1									
Aroclor 1016	12674-11-2	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Aroclor 1221	11104-28-2	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Aroclor 1232	11141-16-5	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Aroclor 1242	53469-21-9	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Aroclor 1248	12672-29-6	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Aroclor 1254	11097-69-1	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Aroclor 1260	11096-82-5	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Total PCBs	1336-36-3	0.050	U	0.050	U	0.050	U	NT		NT		NT		NT	
Metals, Dissolved - Target Analyte (TAL)		ug/L		ug/L		ug/L									
Dilution Factor		1		1		1									
Aluminum	7429-90-5	56	U	56	U	56	U	NT		NT		NT		NT	
Antimony	7440-36-0	6	U	6	U	6	U	NT		NT		NT		NT	
Arsenic	7440-38-2	4	U	4	U	4	U	NT		NT		NT		NT	
Barium	7440-39-3	43		44		44		NT		NT		NT		NT	
Beryllium	7440-41-7	1	U	1	U	1	U	NT		NT		NT		NT	
Cadmium	7440-43-9	3	U	3	U	3	U	NT		NT		NT		NT	
Calcium	7440-70-2	92,700		55,400		33,200		NT		NT		NT		NT	
Chromium	7440-47-3	6	U	6	U	6	U	NT		NT		NT		NT	
Cobalt	7440-48-4	6	U	6	U	6	U	NT		NT		NT		NT	
Copper	7440-50-8	7		4		3		NT		NT		NT		NT	
Iron	7439-89-6	62		56		163		NT		NT		NT		NT	
Lead	7439-92-1	4		3	U	3	U	NT		NT		NT		NT	
Magnesium	7439-95-4	33,200		8,260		5,130		NT		NT		NT		NT	
Manganese	7439-96-5	388		522		51		NT		NT		NT		NT	
Nickel	7440-02-0	6	U	6	U	6	U	NT		NT		NT		NT	
Potassium	7440-09-7	4,530		10,900		12,300		NT		NT		NT		NT	
Selenium	7782-49-2	11	U	11	U	11	U	NT		NT		NT		NT	
Silver	7440-22-4	6	U	6	U	6	U	NT		NT		NT		NT	
Sodium	7440-23-5	50,800		59,000		109,000		NT		NT		NT		NT	
Thallium	7440-28-0	6	U	6	U	6	U	NT		NT		NT		NT	
Vanadium	7440-62-2	11	U	11	U	11	U	NT		NT		NT		NT	
Zinc	7440-66-6	15		11	U	12		NT		NT		NT		NT	
Mercury by 7473, Dissolved		ug/L		ug/L		ug/L									
Dilution Factor		1		1		1									
Mercury	7439-97-6	0.20	U	0.20	U	0.20	U	NT		NT		NT		NT	

NOTES:

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

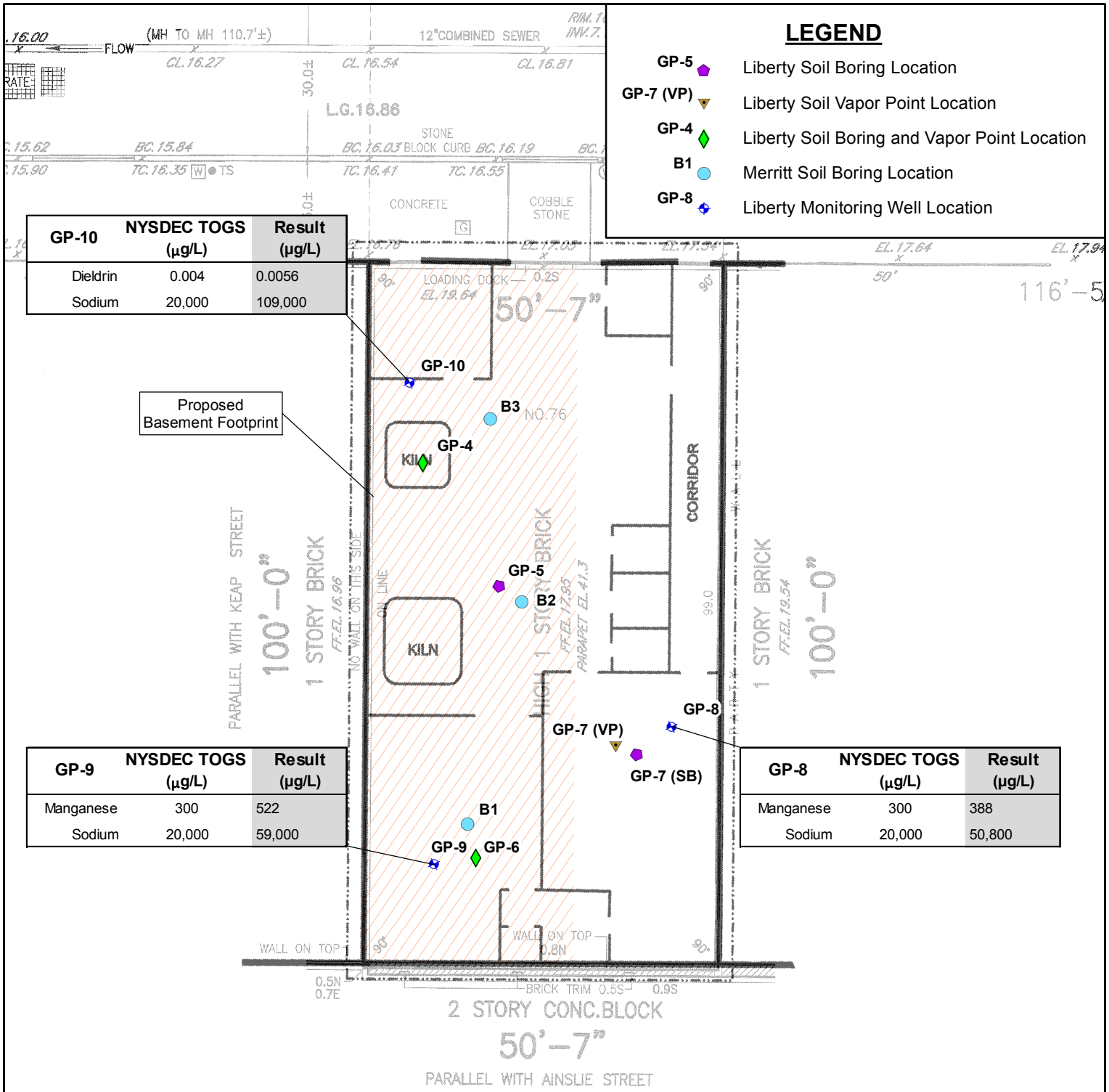
NT=this indicates the analyte was not a target for this sample

Table 2 - Groundwater Analytical Data
Detected Compounds and Exceedances
76 Ainslie Street, Brooklyn, New York
OER Project No. 16EHAZ222K
Liberty Project No. 160020

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	GP-8		GP-9		GP-10		TRIP BLANK		B1GW		B2GW		B3GW	
York ID			16D0677-01		16D0677-02		16D0677-03		16D0677-04		E4600-04		E4600-05		E4600-06	
Sampling Date			8/2016 5:56:00		8/2016 6:58:00		18/2016 7:47:00 P		/2016 3:00:0		#########		#########		#########	
Client Matrix			Water		Water		Water		Water		Water		Water		Water	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive		ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor			1		1		1		1		1		1		1	
1,1,1-Trichloroethane	71-55-6	5	0.20	U	0.20	U	0.74		0.20	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethylene	75-35-4	5	0.20	U	0.20	U	0.26	J	0.20	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	95-63-6	5	0.35	J	0.20	U	0.20	U	0.20	U	0.50	U	0.50	U	0.50	U
Acetone	67-64-1	50	3.30		2.20		1.40	J	1.30	J	2.50	U	2.50	U	2.50	U
Bromodichloromethane	75-27-4	50	0.63		0.40	J	0.20	U	0.20	U	NT		NT		NT	
Bromoform	75-25-2	50	0.64		0.20	U	0.20	U	0.20	U	NT		NT		NT	
Chloroform	67-66-3	7	1.20		5.10		0.28	J	0.20	U	0.53	J	0.97	J	0.46	J
Dibromochloromethane	124-48-1	50	0.66		0.24	J	0.20	U	0.20	U	NT		NT		NT	
Dichlorodifluoromethane	75-71-8	5	1.50		4.50		0.41	J	0.20	U	NT		NT		NT	
Tetrachloroethylene	127-18-4	5	0.27	J	0.20	U	0.58		0.20	U	0.45	J	0.64	J	1.90	J
Trichloroethylene	79-01-6	5	0.20	U	0.20	U	0.24	J	0.20	U	0.50	U	0.50	U	0.89	J
Semi-Volatiles, 8270 - Comprehensive		ug/L	ug/L		ug/L		ug/L				ug/L		ug/L		ug/L	
Dilution Factor			1		1		1				1		1		1	
Naphthalene	91-20-3	10	0.24		0.050	U	0.050	U	NT		0.5	U	NT		NT	
Phenanthrene	85-01-8	50	0.11		0.070		0.050	U	NT		NT		NT		NT	
Pesticides, EPA TCL List		ug/L	ug/L		ug/L		ug/L									
Dilution Factor			1		1		1									
Dieldrin	60-57-1	0.004	0.0020	U	0.0020	U	**0.0056**		NT		NT		NT		NT	
Polychlorinated Biphenyls (PCB)		ug/L	ug/L		ug/L		ug/L									
Dilution Factor			1		1		1		NT		NT		NT		NT	
Metals, Dissolved - Target Analyte (TAL)		ug/L	ug/L		ug/L		ug/L									
Dilution Factor			1		1		1									
Barium	7440-39-3	1000	43		44		44		NT		NT		NT		NT	
Calcium	7440-70-2	~	92,700		55,400		33,200		NT		NT		NT		NT	
Copper	7440-50-8	200	7		4		3		NT		NT		NT		NT	
Iron	7439-89-6	~	62		56		163		NT		NT		NT		NT	
Lead	7439-92-1	25	4		3	U	3	U	NT		NT		NT		NT	
Magnesium	7439-95-4	35000	33,200		8,260		5,130		NT		NT		NT		NT	
Manganese	7439-96-5	300	**388**		**522**		51		NT		NT		NT		NT	
Potassium	7440-09-7	~	4,530		10,900		12,300		NT		NT		NT		NT	
Sodium	7440-23-5	20000	**50,800**		**59,000**		**109,000**		NT		NT		NT		NT	
Zinc	7440-66-6	2000	15		11	U	12		NT		NT		NT		NT	
Mercury by 7473, Dissolved		ug/L	ug/L		ug/L		ug/L									
Dilution Factor			1		1		1									

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte



GP-10	NYSDEC TOGS (µg/L)	Result (µg/L)
Dieldrin	0.004	0.0056
Sodium	20,000	109,000

GP-9	NYSDEC TOGS (µg/L)	Result (µg/L)
Manganese	300	522
Sodium	20,000	59,000

GP-8	NYSDEC TOGS (µg/L)	Result (µg/L)
Manganese	300	388
Sodium	20,000	50,800

NOTE: THIS DRAWING INTENDED FOR ILLUSTRATIVE PURPOSES ONLY, AS PART OF A SITE CHARACTERIZATION. NOT TO BE USED AS A BASIS FOR ENGINEERING OR DESIGN.
NOTE: DRAWING AFTER JOSEPH NICOLETTI ASSOCIATES' *ARCHITECTURAL SURVEY,* DATED JANUARY 9, 2014 AND MERRITT ENVIRONMENTAL CONSULTING CORP.'S *SITE SKETCH*.

SCALE: 1 " = 20 '
0 10 20 40'

N

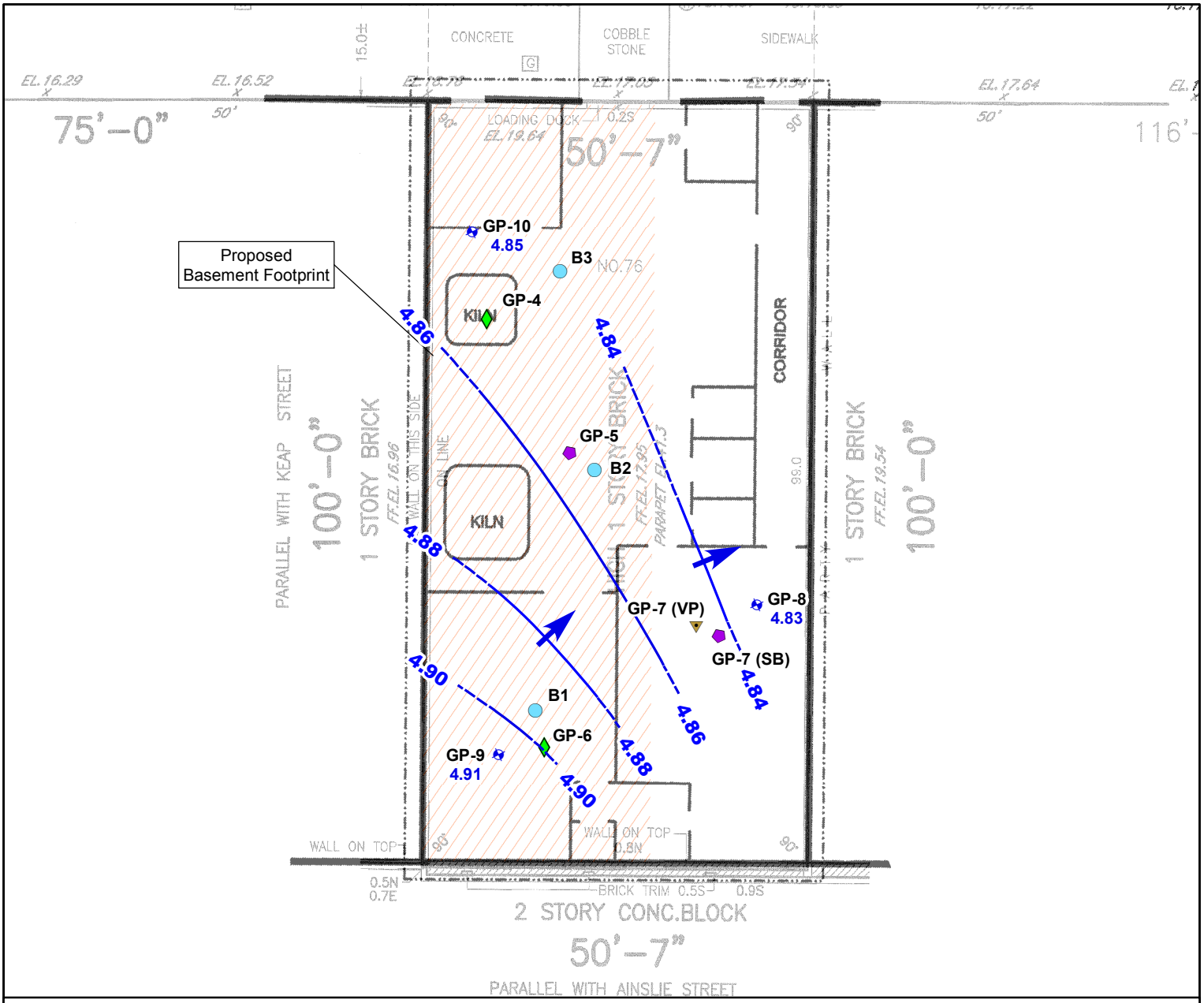
Liberty Environmental, Inc.

131 Varick St. Suite 1022
New York, NY 10013
Phone: 800-305-6019
www.libertyenviro.com

Figure 2 - Map of Groundwater Chemistry Results

76 Ainslie Street
Borough of Brooklyn, City of New York, New York

PROJECT NO.: 160020	REV: 0	PREPARED BY: EMC
DATE: MAY 3, 2016	SCALE: 1" = 20'	APPROVED BY: ARF



LEGEND

GP-5	Liberty Soil Boring Location
GP-7 (VP)	Liberty Soil Vapor Point Location
GP-4	Liberty Soil Boring and Vapor Point Location
B1	Merritt Soil Boring Location
GP-8	Liberty Monitoring Well Location
	Groundwater Elevation Contour (ft) (Inferred where Dashed)
4.85	Groundwater Elevation (ft)
	Groundwater Flow Direction

NOTE: THIS DRAWING INTENDED FOR ILLUSTRATIVE PURPOSES ONLY, AS PART OF A SITE CHARACTERIZATION. NOT TO BE USED AS A BASIS FOR ENGINEERING OR DESIGN.
NOTE: DRAWING AFTER JOSEPH NICOLETTI ASSOCIATES' *ARCHITECTURAL SURVEY,* DATED JANUARY 9, 2014 AND MERRITT ENVIRONMENTAL CONSULTING CORP.'S *SITE SKETCH*.

SCALE: 1 " = 20 '

0 10 20 40'

N

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Figure 1 - Groundwater Contour Map (April 19, 2016)

76 Ainslie Street
Borough of Brooklyn, City of New York, New York

PROJECT NO.: 160020	REV: 0	PREPARED BY: EMC
DATE: MAY 3, 2016	SCALE: 1" = 20'	APPROVED BY: ARF

Appendix A

Soil Boring Geologic Logs

76 Ainslie Street

OER PN 16EHAZ222K

Liberty Environmental, Inc.

Project Name: 76 Ainslie street	Prepared By: RJR
Project Number:	Checked By:
Location: GP-8	Date: 4/18/16
Client:	Sheet 1 of 1

Depth	Recov.	PID	Description	USCS	Notes
0 1	1.5'	0.6	1.5' = Fill & SAND with Silt, dry to moist,		
1 2		0.4	dark-orange/brown color, crushed concrete, crushed		
2 3		0.3	rock, mica shist, shale, coal, slag,		
3 4			* No staining, minor Petroleum odor at top		
4 5			6" of recovery. loose.		
6	3'	6.2	* minor Petro odor at top 6" of recovery		
7		2.2	8" = Fill SAA		
8		0.8	4" = SAND, brown medium grain Sand with		
9		0.5	minor Fines, No odor, loose, moist, angular Stones trace.		
10		0.5	2' = Clayey Sandy loam Firm, tan/brown, moist		
		0.4	highly plastic, trace pebble clasts. No odor, No staining		
11	5'	0.3	1.5' = intermingled Fill, mottled clay, and brown Sand		
12		0.9	Fill has cinders, stone, brick, fines, course Sand, cinders, No staining * minor petro odor		
13			6" = Brown/black/grey clayey SILT, Fine, Firm, moist, highly plastic, No odor, No staining		
14			3' = CLAY, orange/brown, Hard, moist-dry, highly plastic,		
15			No odor, No staining, mottled grey mixed in		
16	4.5'	1.3	1.5' = Intermingled Fill & Clay (SAA @ 11' bg)	▽	Wet @ 17' bg
17		1.2	1' = course reddish/brown SAND, trace Silt,		
18		0.6	No plasticity, Soft, wet, No odor, No staining		
19		0.4	2' = CLAY (SAA @ 15') but wet		
20		0.3	* 2" Fine Silt at bottom, No odor, No staining		
		0.0			
21		0.6	5' = SAND, course well mixed Sub rounded		
22		0.4	course Grains, rounded pebble clasts, wet,		
23		0.3	No staining, no odor, firm to soft & loose.		
24		0.2			
25		0.1			

RR request well be set @ 21' bg w/ 5' of ~~at~~ (RR) 1" diameter pre-packed well screen & 20' riser with 4' stickup.

25' = E.O.B

* 0.2 ppm PID background

Liberty Environmental, Inc.

Project Name: 76 Ainslie Street	Prepared By: RJR
Project Number:	Checked By:
Location: GP-9	Date: 4/18/16
Client:	Sheet 1 of 1

Depth (ft)	Recovery	PID	~~Photos~~ / Description	USCS / NOTES
0	1.5 (RR)	0.3	1.5' = Course brown SAND with Fill; concrete, brick, cinders, stone, coal, Firm, dry - moist, No staining, minor Fines, ~~trace~~ (RR), No odor	
1		0.2		
2		0.1	* Coal lump has coal odor.	
3		0.1		
4				
5	2'	0.3	2' = ~~SAA~~ (RR) Fill; brick, concrete, cinders, sand, Firm, moist, No staining, No odor	
6		0.1		
7		0.1		
8		0.1		
9				
10	4'	0.3	2' = SAA @ 0-5' (Sand & Fill) Fill SAA 5-10' No odor, No staining, moist-dry	
11		0.1		
12		0.1	2' = Sandy CLAY, with Some Silt, ~~dark~~ orangish/brown, Med-high plasticity,	
13		0.1	trace course grain sand, medium grain sand, (RR) No odor, No staining, wet	
14		0.2		
		0.2		
15		0.3	2.5' = Fill; Cinders, Course grain sands, gravel, brick, concrete, slag,	
16		0.2	glass, No odor, No staining, moist	
17	5'	0.2	1' = fat CLAY with Some Silt, trace course sand banding, wet, highly plastic,	17.5' ▽ Water table
		0.2	firm, orangish/brown, wet, No odor, No staining	
18			(RR) 1.5 = med-course grain SAND, brown, Some fines, trace sub-rounded pebble	
19			classes, Firm, No odor, No staining, wet	
20	5'	0.5	3' = Cinders & Fill; Black/grey glassy Course grit & pebble	
21		0.3	classes, crushed brick, crushed stone trace, wet, No odor, No staining	
22		0.2		
23		0.1	2' = Course grain SAND, well mixed, Sub ~~rounded~~ angular (RR) grit, Sub rounded	
24		0.1	pebble classes, Tan/brown top foot, reddish/brown bottom foot. No odor, No	
		0.3	staining, wet, very hard.	
25		0.3		
			RR requests well be set at 22' bg with 5' of 1" diameter pre-pack well screen with 20' riser.	25' = E.O.B.

* 0.0 ppm PID background

Liberty Environmental, Inc.

Project Name: 76 Ainslie Street	Prepared By: RJR
Project Number:	Checked By:
Location: GP-10 (RR)	Date: 4/18/2016
Client:	Sheet 1 of 1

Depth	Recovery	PID	Description
0	2.2'	0.6	2.2' = Fill; Layered concrete, Stone, Sand w/ silt (dark brown), coarse sand w/ silt (reddish-brown), cinders, moist, No odor, No Staining, Firm to loose
1		0.3	
2		0.4	
3		0.3	
4			
5	3'	0.5	1.5' = Fill; (SAA)
6		0.3	
7		0.2	1.5' = Silty SAND, dark brown to orange-brown, Poorly plastic/slight, moist, trace coarse sand, Pebbles sub-angular, No odor, No Staining
8		0.0	
9		0.3	
10	4'	0.2	1' = med. grain orange/brown SAND, Some silt, moist, Soft, No odor, No Staining
11		0.1	3' = Well graded Sandy/Silty CLAY, top 1' = dark brown, mottled orangish-brown w/ grey below, moist, firm to hard, medium-highly plastic, → silt, or moist, No odor, No Staining
12		0.0	
13		0.1	
14		0.0	
15	1.5	0.1	1.5' = SAA; Sandy CLAY No odor, No Staining, moist-wet
16		0.2	
17		0.2	
18		0.2	
19			
20	5'	0.3	2' = wet SAND, well mixed, wet, Some fines, No odor, No Staining, dark brown, brick fragments & Stones trace present, loose
21		0.2	
22		0.2	2' = medium grain, orangish-brown SAND, Some course, Some fine, wet, hard, Sub-rounded Pebble clasts, No odor, No Staining
23		0.1	
24		0.2	1' = SAA - very course, less fines, loose, wet, No odor, No Staining
25			25' = E.O.B.

RR requests well set at 22' bg.

RR

← 0.2 ppm background

Appendix B

Groundwater Monitoring Well Purge Logs

76 Ainslie Street

OER PN 16EHAZ222K

Liberty Environmental, Inc. 4/18/2016

Client:

Site Location: 76 Ainslie Street

Project No. 160020

Field Person: Raphael Rosenbaum

Well Number: GP-8

GROUNDWATER SAMPLING (STANDARD PURGE) / GUAGING SHEET

SHEET OF

Well Diameter (in.)	Depth to Product (ft.)	Depth to Water (ft.)	Total Well Depth (ft.)	Water Column (ft.)	Purge Volume (gal.)	Purging Start/End (Time)	Total Volume Purged (gal.)	Purge Rate/Hand Bail (gpm/Hand) ml/min	Post-Purge DTW	DTW When Sampled	Time Sampled	Parameters: C° Temp	pH	mV ORP	mS/cm Cond	NTU Turbidity	mg/L DO	g/L TDS	ppt Salinity	Observations/ Notes
1"	N/A	15.62	21	5.38	Ø	1656 1701		250 ml/min				17.07	6.88	47	0.920	740	3.79	0.587	0.2	No odor, beige color
		20.8				1706		200				17.04	6.64	37	0.853	>800	4.69	0.545	0.2	well dried up
		17.06				1716 1722		Start/resume				17.39	6.79	15	0.839	549	3.88	0.535	0.2	
		19.82				1721		Pump stopped as purge tube clouded up w/ sediment.												
		16.88				1730		Pump 130 on				17.33	6.73	17	0.865	362	3.56	0.553	0.2	
		19.46				1736		Pump off - well dry												
								130			1756									
						1829		Pump off - intermittent flow as well dried up												

Notes: Purge Volume = 3[(Water Column) (Well Diameter Multiplier)] Well Diameter Multiplier = 1" Well (0.04) 2" Well (0.163) 4" Well (0.652) 6" Well (1.47) 8" Well (2.61) 10" Well (4.08)

Liberty Environmental, Inc.

4/18/2016

Well Number: GP-9

Client:

Site Location: 76 Ainslie Street

Project No. 160020

Field Person: Raphael Rosenbaum

GROUNDWATER SAMPLING (STANDARD PURGE) / GUAGING SHEET

SHEET 1 OF 1

Well Diameter (in.)	Depth to Product (ft.)	Depth to Water (ft.)	Total Well Depth (ft.)	Water Column (ft.)	Purge Volume (gal.)	Purging Start/End (time)	Total Volume Purged (gal.)	Purge Rate/Hand Bail (gph/Hand) ml/min	Post-Purge DTW	DTW When Sampled	Time Sampled	Parameters: Temp	pH	ORP	Cond	Turbidity	DO	TDS	Salinity	Observations/ Notes
1"	N/A	17.36	25'			1835														
		17.59				1840		175				17.69	6.77	12	0.800	212	4.30	0.508	0.2	clear, No odor
		17.64				1845		175				17.41	6.71	7	0.719	157	2.69	0.460	0.2	
		17.65				1850		175				17.06	6.63	21	0.694	57.5	2.22	0.444	0.2	clear No odor
		17.65				1855		175				16.99	6.63	23	0.694	47.9	2.33	0.444	0.2	clear, No odor
											1858									
						1916	Pump off													

Notes: Purge Volume = 3[(Water Column) (Well Diameter Multiplier)] Well Diameter Multiplier = 1" Well (0.04) 2" Well (0.163) 4" Well (0.652) 6" Well (1.47) 8" Well (2.61) 10" Well (4.08)

Liberty Environmental, Inc.

GROUNDWATER SAMPLING (STANDARD PURGE) / GUAGING SHEET

Date: 4/18/2016
Client: Horrigan Development
Project No. 160020
Well Number: GP-10
Site Location: 76 Ainslie Street
Field Person: Raphael Rosenbaum
SHEET 1 OF 1

Well Diameter (in.)	Depth to Product (ft.)	Depth to Water (ft.)	Total Well Depth (ft.)	Water Column (ft.)	Purge Volume (gal.)	Purging Start/End (time)	Total Volume Purged (gal.)	Purge Rate/Hand Bail (gpm/Hand)	Post-Purge DTW	DTW When Sampled	Time Sampled	Parameters: Temp	pH	ORP	Cond	Turbidity	DO	TDS	Salinity	Observations/ Notes
1"	N/A	17.79				1920	@ 1925 200					15.11	6.54	35	0.955	>800	2.81	0.613	0.3	beige cloudy liquid, No odor
		17.85				1925 1930						15.05	6.59	45	0.873	194	1.91	0.559	0.2	" "
		17.85				1935						15.03	6.62	52	0.861	136	1.81	0.551	0.2	clear, No odor
		17.86				1940						15.04	6.62	56	0.861	88.2	1.78	0.551	0.2	" "
		17.84				1945						15.05	6.63	61	0.856	39.9	1.80	0.544	0.2	" "
											1947									
						2000	Pump	off												

Notes: Purge Volume = 3[(Water Column) (Well Diameter Multiplier)] Well Diameter Multiplier = 1" Well (0.04) 2" Well (0.163) 4" Well (0.652) 6" Well (1.47) 8" Well (2.61) 10" Well (4.08)

Appendix C

Laboratory Analytical Data Deliverables

76 Ainslie Street

OER PN 16EHAZ222K

Technical Report

prepared for:

Liberty Environmental, Inc
131 Varick Street, Suite 1022
New York NY, 10013
Attention: Raphael Rosenbaum

Report Date: 04/26/2016
Client Project ID: 160020
York Project (SDG) No.: 16D0677

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 04/26/2016
Client Project ID: 160020
York Project (SDG) No.: 16D0677

Liberty Environmental, Inc
131 Varick Street, Suite 1022
New York NY, 10013
Attention: Raphael Rosenbaum

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 April 19, 2016 and listed below. The project was identified as your project: **160020**.

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 Notes 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 attachment to 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16D0677-01	GP-8	Water	04/18/2016	04/19/2016
16D0677-02	GP-9	Water	04/18/2016	04/19/2016
16D0677-03	GP-10	Water	04/18/2016	04/19/2016
16D0677-04	TRIP BLANK	Water	04/18/2016	04/19/2016

General Notes for York Project (SDG) No.: 16D0677

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:

Date: 04/26/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **GP-8** **York Sample ID:** **16D0677-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
95-63-6	**1,2,4-Trimethylbenzene**	**0.35**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS

Sample Information

Client Sample ID: GP-8 **York Sample ID:** 16D0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**3.3**		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-27-4	**Bromodichloromethane**	**0.63**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-25-2	**Bromoform**	**0.64**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
67-66-3	**Chloroform**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
124-48-1	**Dibromochloromethane**	**0.66**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-71-8	**Dichlorodifluoromethane**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS

Sample Information

Client Sample ID: GP-8 **York Sample ID:** 16D0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	04/22/2016 16:56	04/22/2016 23:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	04/22/2016 16:56	04/22/2016 23:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
127-18-4	**Tetrachloroethylene**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	04/22/2016 16:56	04/22/2016 23:46	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.9 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.8 %*	*79-122*

Sample Information

Client Sample ID: GP-8 **York Sample ID:** 16D0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH

Sample Information

Client Sample ID: GP-8 **York Sample ID:** 16D0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH

Sample Information

Client Sample ID: GP-8 **York Sample ID:** 16D0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
91-20-3	**Naphthalene**	**0.240**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR

Sample Information

Client Sample ID: GP-8 **York Sample ID:** 16D0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
85-01-8	**Phenanthrene**	**0.110**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:07	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 10:55	SR

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*12.3 %*		*12-64*
4165-62-2	*Surrogate: Phenol-d5*	*4.56 %*	S-08	*10-82*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*18.6 %*		*12-96*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*19.2 %*		*16-84*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*32.3 %*		*15-104*
1718-51-0	*Surrogate: Terphenyl-d14*	*14.5 %*	S-08	*15-106*

Pesticides, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC
309-00-2	Aldrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC
319-85-7	beta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC
319-86-8	delta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC
60-57-1	Dieldrin	ND		ug/L	0.00200	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:34	AMC

Sample Information

Client Sample ID: GP-8 **York Sample ID:** 16D0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Pesticides, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC
72-20-8	Endrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	0.0100	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0100	0.0100	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC
76-44-8	Heptachlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC
8001-35-2	Toxaphene	ND		ug/L	0.100	0.100	1	EPA 8081B Certifications:	04/25/2016 01:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2016 12:34	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.1 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.2 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2016 11:27	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2016 11:27	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2016 11:27	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2016 11:27	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2016 11:27	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2016 11:27	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2016 11:27	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45	04/26/2016 11:27	AMC

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: GP-8 **York Sample ID:** 16D0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*38.0 %*			*30-120*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*43.5 %*			*30-120*						

Metals, Dissolved - Target Analyte (TAL)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-39-3	**Barium**	**0.043**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-70-2	**Calcium**	**92.7**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-50-8	**Copper**	**0.007**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7439-89-6	**Iron**	**0.062**		mg/L	0.022	0.022	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7439-92-1	**Lead**	**0.004**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7439-95-4	**Magnesium**	**33.2**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7439-96-5	**Manganese**	**0.388**		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-09-7	**Potassium**	**4.53**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7782-49-2	Selenium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-23-5	**Sodium**	**50.8**		mg/L	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV

Sample Information

Client Sample ID: GP-8 **York Sample ID:** 16D0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 5:56 pm	04/19/2016

Metals, Dissolved - Target Analyte (TAL)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV
7440-66-6	**Zinc**	**0.015**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:31	KV

Mercury by 7473, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2016 06:23	04/22/2016 06:26	ALD

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
67-64-1	**Acetone**	**2.2**		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-27-4	**Bromodichloromethane**	**0.40**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
67-66-3	**Chloroform**	**5.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
124-48-1	**Dibromochloromethane**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-71-8	**Dichlorodifluoromethane**	**4.5**		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	04/22/2016 16:56	04/23/2016 00:11	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	04/22/2016 16:56	04/23/2016 00:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	04/22/2016 16:56	04/23/2016 00:11	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.5 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.0 %*	*79-122*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
85-01-8	**Phenanthrene**	**0.0700**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:38	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:26	SR

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	*Surrogate: 2-Fluorophenol*	*12.9 %*			*12-64*						
4165-62-2	*Surrogate: Phenol-d5*	*5.60 %*	S-08		*10-82*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*24.1 %*			*12-96*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*24.3 %*			*16-84*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*36.7 %*			*15-104*						
1718-51-0	*Surrogate: Terphenyl-d14*	*16.2 %*			*15-106*						

Pesticides, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
309-00-2	Aldrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
319-85-7	beta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
319-86-8	delta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
60-57-1	Dieldrin	ND		ug/L	0.00200	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
72-20-8	Endrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0100	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
76-44-8	Heptachlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Pesticides, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC
8001-35-2	Toxaphene	ND		ug/L	0.100	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:50	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.1 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.4 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 11:46	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 11:46	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 11:46	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 11:46	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 11:46	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 11:46	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 11:46	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45	04/26/2016 11:46	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*50.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.5 %*	*30-120*

Metals, Dissolved - Target Analyte (TAL)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV

Sample Information

Client Sample ID: GP-9 **York Sample ID:** 16D0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Metals, Dissolved - Target Analyte (TAL)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	**Barium**	**0.044**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-70-2	**Calcium**	**55.4**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-50-8	**Copper**	**0.004**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7439-89-6	**Iron**	**0.056**		mg/L	0.022	0.022	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7439-95-4	**Magnesium**	**8.26**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7439-96-5	**Manganese**	**0.522**		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-09-7	**Potassium**	**10.9**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7782-49-2	Selenium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-23-5	**Sodium**	**59.0**		mg/L	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-28-0	Thallium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV
7440-66-6	Zinc	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:49	KV

Mercury by 7473, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2016 06:23	04/22/2016 06:26	ALD

Sample Information

Client Sample ID: **GP-9** **York Sample ID:** **16D0677-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 6:58 pm	04/19/2016

Sample Information

Client Sample ID: **GP-10** **York Sample ID:** **16D0677-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
71-55-6	**1,1,1-Trichloroethane**	**0.74**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-35-4	**1,1-Dichloroethylene**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS

Sample Information

Client Sample ID: GP-10 **York Sample ID:** 16D0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
67-64-1	**Acetone**	**1.4**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
67-66-3	**Chloroform**	**0.28**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS

Sample Information

Client Sample ID: GP-10 **York Sample ID:** 16D0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-71-8	**Dichlorodifluoromethane**	**0.41**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	04/22/2016 16:56	04/23/2016 00:37	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	04/22/2016 16:56	04/23/2016 00:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
127-18-4	**Tetrachloroethylene**	**0.58**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
79-01-6	**Trichloroethylene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS

Sample Information

Client Sample ID: GP-10 **York Sample ID:** 16D0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	04/22/2016 16:56	04/23/2016 00:37	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.6 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.2 %*	*79-122*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH

Sample Information

Client Sample ID: GP-10 **York Sample ID:** 16D0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH

Sample Information

Client Sample ID: GP-10 **York Sample ID:** 16D0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR

Sample Information

Client Sample ID: GP-10 **York Sample ID:** 16D0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 12:09	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 06:24	04/26/2016 11:57	SR

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*12.7 %*		*12-64*
4165-62-2	*Surrogate: Phenol-d5*	*4.84 %*	S-08	*10-82*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*19.7 %*		*12-96*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*20.4 %*		*16-84*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*34.3 %*		*15-104*
1718-51-0	*Surrogate: Terphenyl-d14*	*15.4 %*		*15-106*

Pesticides, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC

Sample Information

Client Sample ID: GP-10 **York Sample ID:** 16D0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Pesticides, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-29-3	4,4'-DDT	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
309-00-2	Aldrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
319-85-7	beta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
319-86-8	delta-BHC	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
60-57-1	**Dieldrin**	**0.00559**		ug/L	0.00200	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
72-20-8	Endrin	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0100	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
76-44-8	Heptachlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00400	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC
8001-35-2	Toxaphene	ND		ug/L	0.100	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 13:05	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.7 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:06	AMC

Sample Information

Client Sample ID: GP-10 **York Sample ID:** 16D0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:06	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:06	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:06	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:06	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:06	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/25/2016 01:45	04/26/2016 12:06	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0500	0.0500	1	EPA 8082A Certifications:	04/25/2016 01:45	04/26/2016 12:06	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*48.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*55.5 %*	*30-120*

Metals, Dissolved - Target Analyte (TAL)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-39-3	**Barium**	**0.044**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-70-2	**Calcium**	**33.2**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-50-8	**Copper**	**0.003**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7439-89-6	**Iron**	**0.163**		mg/L	0.022	0.022	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV

Sample Information

Client Sample ID: GP-10 **York Sample ID:** 16D0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 7:47 pm	04/19/2016

Metals, Dissolved - Target Analyte (TAL)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7439-95-4	**Magnesium**	**5.13**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7439-96-5	**Manganese**	**0.051**		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-09-7	**Potassium**	**12.3**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7782-49-2	Selenium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-23-5	**Sodium**	**109**		mg/L	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-28-0	Thallium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV
7440-66-6	**Zinc**	**0.012**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2016 11:41	04/20/2016 16:54	KV

Mercury by 7473, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2016 06:23	04/22/2016 06:26	ALD

Sample Information

Client Sample ID: TRIP BLANK **York Sample ID:** 16D0677-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 3:00 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

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

Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 16D0677-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 3:00 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS

Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 16D0677-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 3:00 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**1.3**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS

Sample Information

Client Sample ID: TRIP BLANK

York Sample ID: 16D0677-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0677	160020	Water	April 18, 2016 3:00 pm	04/19/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	04/22/2016 16:56	04/23/2016 01:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	04/22/2016 16:56	04/23/2016 01:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	04/22/2016 16:56	04/23/2016 01:03	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.6 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.0 %*	*79-122*

Analytical Batch Summary

Batch ID: BD61018 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16D0677-01	GP-8	04/20/16
16D0677-02	GP-9	04/20/16
16D0677-03	GP-10	04/20/16
BD61018-BLK1	Blank	04/20/16
BD61018-DUP1	Duplicate	04/20/16
BD61018-MS1	Matrix Spike	04/20/16
BD61018-SRM1	Reference	04/20/16

Batch ID: BD61062 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16D0677-01	GP-8	04/21/16
16D0677-02	GP-9	04/21/16
16D0677-03	GP-10	04/21/16
BD61062-BLK1	Blank	04/21/16
BD61062-DUP1	Duplicate	04/21/16
BD61062-MS1	Matrix Spike	04/21/16
BD61062-SRM1	Reference	04/21/16

Batch ID: BD61199 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16D0677-01	GP-8	04/22/16
16D0677-02	GP-9	04/22/16
16D0677-03	GP-10	04/22/16
16D0677-04	TRIP BLANK	04/22/16
BD61199-BLK1	Blank	04/22/16
BD61199-BS1	LCS	04/22/16
BD61199-BSD1	LCS Dup	04/22/16

Batch ID: BD61220 **Preparation Method:** EPA 3510C **Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
16D0677-01	GP-8	04/25/16
16D0677-02	GP-9	04/25/16
16D0677-03	GP-10	04/25/16
BD61220-BLK1	Blank	04/25/16
BD61220-BS1	LCS	04/25/16
BD61220-BSD1	LCS Dup	04/25/16

Batch ID: BD61296 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date

16D0677-01	GP-8	04/25/16
16D0677-01	GP-8	04/25/16
16D0677-02	GP-9	04/25/16
16D0677-02	GP-9	04/25/16
16D0677-03	GP-10	04/25/16
16D0677-03	GP-10	04/25/16
BD61296-BLK1	Blank	04/25/16
BD61296-BLK2	Blank	04/25/16
BD61296-BS1	LCS	04/25/16
BD61296-BS2	LCS	04/25/16
BD61296-BSD1	LCS Dup	04/25/16
BD61296-BSD2	LCS Dup	04/25/16

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61199 - EPA 5030B											
Blank (BD61199-BLK1)								Prepared & Analyzed: 04/22/2016			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
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 disulfide	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	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61199 - EPA 5030B											
Blank (BD61199-BLK1)							Prepared & Analyzed: 04/22/2016				
n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
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	"								
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: Toluene-d8	*9.93*		*"*	*10.0*		*99.3*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.67*		*"*	*10.0*		*96.7*	*79-122*				
LCS (BD61199-BS1)							Prepared & Analyzed: 04/22/2016				
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	10		"	10.0		100	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7		"	10.0		97.2	54-165				
1,1,2-Trichloroethane	11		"	10.0		110	82-123				
1,1-Dichloroethane	10		"	10.0		102	82-129				
1,1-Dichloroethylene	10		"	10.0		102	68-138				
1,2,3-Trichlorobenzene	13		"	10.0		125	76-136				
1,2,3-Trichloropropane	11		"	10.0		108	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		104	76-137				
1,2,4-Trimethylbenzene	9.6		"	10.0		96.1	82-132				
1,2-Dibromo-3-chloropropane	12		"	10.0		116	45-147				
1,2-Dibromoethane	11		"	10.0		110	83-124				
1,2-Dichlorobenzene	10		"	10.0		102	79-123				
1,2-Dichloroethane	11		"	10.0		110	73-132				
1,2-Dichloropropane	10		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	9.6		"	10.0		96.0	80-131				
1,3-Dichlorobenzene	9.9		"	10.0		99.0	86-122				
1,4-Dichlorobenzene	10		"	10.0		99.6	85-124				
1,4-Dioxane	210		"	200		107	10-349				
2-Butanone	11		"	10.0		107	49-152				
2-Hexanone	12		"	10.0		115	51-146				
4-Methyl-2-pentanone	11		"	10.0		107	57-145				
Acetone	10		"	10.0		104	14-150				
Acrolein	8.8		"	10.0		88.1	10-153				
Acrylonitrile	9.7		"	10.0		97.3	51-150				
Benzene	10		"	10.0		100	85-126				
Bromochloromethane	11		"	10.0		114	77-128				
Bromodichloromethane	10		"	10.0		104	79-128				
Bromoform	11		"	10.0		109	78-133				
Bromomethane	7.4		"	10.0		74.0	43-168				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61199 - EPA 5030B											
LCS (BD61199-BS1)							Prepared & Analyzed: 04/22/2016				
Carbon disulfide	9.5		ug/L	10.0		95.4	68-146				
Carbon tetrachloride	10		"	10.0		101	77-141				
Chlorobenzene	10		"	10.0		104	88-120				
Chloroethane	10		"	10.0		102	65-136				
Chloroform	10		"	10.0		101	82-128				
Chloromethane	9.2		"	10.0		91.7	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	9.8		"	10.0		98.4	63-149				
Dibromochloromethane	11		"	10.0		110	80-130				
Dibromomethane	11		"	10.0		109	72-134				
Dichlorodifluoromethane	9.6		"	10.0		95.8	44-144				
Ethyl Benzene	10		"	10.0		102	80-131				
Hexachlorobutadiene	9.4		"	10.0		94.0	67-146				
Isopropylbenzene	9.6		"	10.0		96.5	76-140				
Methyl acetate	11		"	10.0		114	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		109	76-135				
Methylcyclohexane	9.8		"	10.0		98.3	72-143				
Methylene chloride	11		"	10.0		110	55-137				
n-Butylbenzene	9.3		"	10.0		92.6	79-132				
n-Propylbenzene	9.5		"	10.0		94.7	78-133				
o-Xylene	10		"	10.0		103	78-130				
p- & m- Xylenes	21		"	20.0		104	77-133				
p-Isopropyltoluene	9.5		"	10.0		95.0	81-136				
sec-Butylbenzene	9.6		"	10.0		96.4	79-137				
Styrene	11		"	10.0		106	67-132				
tert-Butyl alcohol (TBA)	13		"	10.0		130	25-162				
tert-Butylbenzene	9.7		"	10.0		96.7	77-138				
Tetrachloroethylene	11		"	10.0		114	82-131				
Toluene	10		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		108	78-131				
Trichloroethylene	9.8		"	10.0		98.3	82-128				
Trichlorofluoromethane	10		"	10.0		100	67-139				
Vinyl Chloride	9.8		"	10.0		98.3	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*69-130*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.48*		*"*	*10.0*		*94.8*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61199 - EPA 5030B											
LCS Dup (BD61199-BSD1)							Prepared & Analyzed: 04/22/2016				
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		106	82-126		3.36	30	
1,1,1-Trichloroethane	10		"	10.0		103	78-136		2.65	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		107	76-129		3.04	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		100	54-165		2.84	30	
1,1,2-Trichloroethane	11		"	10.0		112	82-123		2.34	30	
1,1-Dichloroethane	11		"	10.0		106	82-129		3.66	30	
1,1-Dichloroethylene	10		"	10.0		104	68-138		1.94	30	
1,2,3-Trichlorobenzene	13		"	10.0		132	76-136		5.59	30	
1,2,3-Trichloropropane	11		"	10.0		111	77-128		2.75	30	
1,2,4-Trichlorobenzene	11		"	10.0		107	76-137		2.75	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		5.66	30	
1,2-Dibromo-3-chloropropane	12		"	10.0		115	45-147		0.950	30	
1,2-Dibromoethane	11		"	10.0		112	83-124		2.25	30	
1,2-Dichlorobenzene	11		"	10.0		106	79-123		3.47	30	
1,2-Dichloroethane	11		"	10.0		113	73-132		2.51	30	
1,2-Dichloropropane	11		"	10.0		106	78-126		1.71	30	
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131		5.27	30	
1,3-Dichlorobenzene	10		"	10.0		103	86-122		4.15	30	
1,4-Dichlorobenzene	10		"	10.0		105	85-124		5.18	30	
1,4-Dioxane	220		"	200		111	10-349		3.78	30	
2-Butanone	9.8		"	10.0		98.5	49-152		7.99	30	
2-Hexanone	11		"	10.0		111	51-146		3.81	30	
4-Methyl-2-pentanone	11		"	10.0		109	57-145		1.67	30	
Acetone	11		"	10.0		108	14-150		4.53	30	
Acrolein	8.6		"	10.0		86.1	10-153		2.30	30	
Acrylonitrile	13		"	10.0		126	51-150		25.5	30	
Benzene	10		"	10.0		104	85-126		3.04	30	
Bromochloromethane	12		"	10.0		116	77-128		1.65	30	
Bromodichloromethane	11		"	10.0		107	79-128		2.09	30	
Bromoform	11		"	10.0		110	78-133		0.547	30	
Bromomethane	8.8		"	10.0		87.7	43-168		16.9	30	
Carbon disulfide	9.7		"	10.0		96.8	68-146		1.46	30	
Carbon tetrachloride	10		"	10.0		105	77-141		3.78	30	
Chlorobenzene	11		"	10.0		107	88-120		2.76	30	
Chloroethane	10		"	10.0		102	65-136		0.489	30	
Chloroform	10		"	10.0		104	82-128		2.35	30	
Chloromethane	9.3		"	10.0		92.9	43-155		1.30	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		2.33	30	
cis-1,3-Dichloropropylene	11		"	10.0		106	80-131		1.81	30	
Cyclohexane	10		"	10.0		104	63-149		5.82	30	
Dibromochloromethane	11		"	10.0		110	80-130		0.636	30	
Dibromomethane	11		"	10.0		111	72-134		1.18	30	
Dichlorodifluoromethane	9.9		"	10.0		98.8	44-144		3.08	30	
Ethyl Benzene	11		"	10.0		105	80-131		3.57	30	
Hexachlorobutadiene	9.8		"	10.0		97.6	67-146		3.76	30	
Isopropylbenzene	10		"	10.0		101	76-140		4.66	30	
Methyl acetate	11		"	10.0		113	51-139		1.05	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		112	76-135		2.17	30	
Methylcyclohexane	10		"	10.0		101	72-143		2.61	30	
Methylene chloride	11		"	10.0		111	55-137		0.993	30	
n-Butylbenzene	9.8		"	10.0		97.6	79-132		5.26	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61199 - EPA 5030B											
LCS Dup (BD61199-BSD1)							Prepared & Analyzed: 04/22/2016				
n-Propylbenzene	10		ug/L	10.0		100	78-133		5.64	30	
o-Xylene	11		"	10.0		106	78-130		3.06	30	
p- & m- Xylenes	21		"	20.0		107	77-133		3.08	30	
p-Isopropyltoluene	9.9		"	10.0		99.3	81-136		4.43	30	
sec-Butylbenzene	10		"	10.0		100	79-137		4.16	30	
Styrene	11		"	10.0		110	67-132		3.70	30	
tert-Butyl alcohol (TBA)	10		"	10.0		103	25-162		23.0	30	
tert-Butylbenzene	10		"	10.0		99.6	77-138		2.95	30	
Tetrachloroethylene	12		"	10.0		116	82-131		2.08	30	
Toluene	11		"	10.0		105	80-127		4.36	30	
trans-1,2-Dichloroethylene	10		"	10.0		105	80-132		3.69	30	
trans-1,3-Dichloropropylene	11		"	10.0		108	78-131		0.647	30	
Trichloroethylene	10		"	10.0		102	82-128		3.50	30	
Trichlorofluoromethane	10		"	10.0		102	67-139		2.08	30	
Vinyl Chloride	10		"	10.0		101	58-145		2.31	30	
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.70*		*"*	*10.0*		*97.0*	*79-122*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61220 - EPA 3510C											
Blank (BD61220-BLK1)								Prepared & Analyzed: 04/25/2016			
1,1'-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61220 - EPA 3510C											
Blank (BD61220-BLK1)								Prepared & Analyzed: 04/25/2016			
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Hexachlorobutadiene	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	*11.3*		*"*	*75.0*		*15.0*	*12-64*				
Surrogate: Phenol-d5	*7.03*		*"*	*75.2*		*9.35*	*10-82*				
Surrogate: Nitrobenzene-d5	*10.7*		*"*	*50.0*		*21.5*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*11.4*		*"*	*50.0*		*22.8*	*16-84*				
Surrogate: 2,4,6-Tribromophenol	*20.6*		*"*	*75.4*		*27.3*	*15-104*				
Surrogate: Terphenyl-d14	*7.53*		*"*	*50.2*		*15.0*	*15-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61220 - EPA 3510C											
LCS (BD61220-BS1)							Prepared & Analyzed: 04/25/2016				
1,1'-Biphenyl	26.2	5.00	ug/L				21-102				
1,2,4,5-Tetrachlorobenzene	27.8	5.00	"				28-105				
1,2-Diphenylhydrazine (as Azobenzene)	29.8	5.00	"				16-137				
2,3,4,6-Tetrachlorophenol	60.7	5.00	"				30-130				
2,4,5-Trichlorophenol	27.7	5.00	"				36-112				
2,4,6-Trichlorophenol	30.9	5.00	"				41-107				
1,2,4-Trichlorobenzene	26.0	5.00	"				35-91				
2,4-Dichlorophenol	30.7	5.00	"				43-92				
2,4-Dimethylphenol	26.1	5.00	"				25-92				
2,4-Dinitrophenol	42.8	5.00	"				10-149				
2,4-Dinitrotoluene	40.1	5.00	"				41-114				
1,2-Dichlorobenzene	26.6	5.00	"				42-85				
2,6-Dinitrotoluene	37.8	5.00	"				49-106				
2-Chloronaphthalene	29.6	5.00	"				40-96				
2-Chlorophenol	25.4	5.00	"				35-84				
2-Methylnaphthalene	28.7	5.00	"				33-101				
1,3-Dichlorobenzene	26.2	5.00	"				45-80				
2-Methylphenol	21.2	5.00	"				10-90				
2-Nitroaniline	34.7	5.00	"				31-122				
1,4-Dichlorobenzene	25.5	5.00	"				42-82				
2-Nitrophenol	29.8	5.00	"				37-97				
3- & 4-Methylphenols	17.9	5.00	"				10-101				
3,3'-Dichlorobenzidine	34.3	5.00	"				25-155				
3-Nitroaniline	37.5	5.00	"				29-128				
4,6-Dinitro-2-methylphenol	29.4	5.00	"				10-135				
4-Bromophenyl phenyl ether	26.2	5.00	"				38-116				
4-Chloro-3-methylphenol	29.4	5.00	"				28-101				
4-Chloroaniline	30.8	5.00	"				10-154				
4-Chlorophenyl phenyl ether	27.0	5.00	"				34-112				
4-Nitroaniline	31.8	5.00	"				15-143				
4-Nitrophenol	8.20	5.00	"				10-112				
Acenaphthene	28.5	0.0500	"				24-114				
Acenaphthylene	29.6	0.0500	"				26-112				
Acetophenone	30.6	5.00	"				47-92				
Aniline	21.0	5.00	"				10-107				
Anthracene	29.4	0.0500	"				35-114				
Atrazine	30.8	0.500	"				43-101				
Benzaldehyde	29.6	5.00	"				17-117				
Benzo(a)anthracene	34.9	0.0500	"				38-127				
Benzo(a)pyrene	44.0	0.0500	"				30-146				
Benzo(b)fluoranthene	71.7	0.0500	"				36-145				
Benzo(g,h,i)perylene	56.9	0.0500	"				10-163				
Benzo(k)fluoranthene	71.9	0.0500	"				16-149				
Benzoic acid	ND	50.0	"				30-130				
Benzyl alcohol	21.8	5.00	"				18-75				
Benzyl butyl phthalate	38.4	5.00	"				28-129				
Bis(2-chloroethoxy)methane	30.0	5.00	"				27-112				
Bis(2-chloroethyl)ether	27.9	5.00	"				24-114				
Bis(2-chloroisopropyl)ether	34.4	5.00	"				21-124				
Bis(2-ethylhexyl)phthalate	38.3	0.500	"				10-171				
Caprolactam	5.24	5.00	"				10-29				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61220 - EPA 3510C											
LCS (BD61220-BS1)							Prepared & Analyzed: 04/25/2016				
Carbazole	31.4	5.00	ug/L				49-116				
Hexachlorobutadiene	24.4	0.500	"				25-106				
Chrysene	35.5	0.0500	"				33-120				
Dibenzo(a,h)anthracene	49.7	0.0500	"				10-149				
Dibenzofuran	30.2	5.00	"				42-105				
Diethyl phthalate	31.5	5.00	"				38-112				
Dimethyl phthalate	35.0	5.00	"				49-106				
Di-n-butyl phthalate	28.7	5.00	"				36-110				
Di-n-octyl phthalate	40.5	5.00	"				12-149				
Naphthalene	27.7	0.0500	"				30-99				
Fluoranthene	30.5	0.0500	"				33-126				
Fluorene	31.7	0.0500	"				28-117				
Hexachlorobenzene	29.6	0.0200	"				27-120				
Hexachlorocyclopentadiene	59.0	5.00	"				10-99				
Hexachloroethane	30.8	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	6.30	0.0500	"				10-150				
Isophorone	31.4	5.00	"				29-115				
Nitrobenzene	30.5	0.250	"				32-113				
N-Nitrosodimethylamine	13.8	0.500	"				10-63				
N-nitroso-di-n-propylamine	32.4	5.00	"				36-118				
N-Nitrosodiphenylamine	28.8	5.00	"				27-145				
Pentachlorophenol	32.4	0.250	"				19-127				
Phenanthrene	31.2	0.0500	"				31-112				
Phenol	11.2	5.00	"				10-37				
Pyrene	33.4	0.0500	"				42-125				
Surrogate: 2-Fluorophenol	*13.0*		*"*	*75.0*		*17.4*	*12-64*				
Surrogate: Phenol-d5	*9.04*		*"*	*75.2*		*12.0*	*10-82*				
Surrogate: Nitrobenzene-d5	*11.5*		*"*	*50.0*		*23.1*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*10.6*		*"*	*50.0*		*21.3*	*16-84*				
Surrogate: 2,4,6-Tribromophenol	*22.0*		*"*	*75.4*		*29.2*	*15-104*				
Surrogate: Terphenyl-d14	*10.2*		*"*	*50.2*		*20.4*	*15-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61220 - EPA 3510C											
LCS Dup (BD61220-BSD1)								Prepared & Analyzed: 04/25/2016			
1,1'-Biphenyl	25.4	5.00	ug/L				21-102		3.45	20	
1,2,4,5-Tetrachlorobenzene	28.0	5.00	"				28-105		0.825	20	
1,2-Diphenylhydrazine (as Azobenzene)	30.5	5.00	"				16-137		2.42	20	
2,3,4,6-Tetrachlorophenol	56.2	5.00	"				30-130		7.78	20	
2,4,5-Trichlorophenol	28.7	5.00	"				36-112		3.33	20	
2,4,6-Trichlorophenol	32.1	5.00	"				41-107		3.78	20	
1,2,4-Trichlorobenzene	28.6	5.00	"				35-91		9.60	20	
2,4-Dichlorophenol	33.0	5.00	"				43-92		6.94	20	
2,4-Dimethylphenol	28.6	5.00	"				25-92		9.07	20	
2,4-Dinitrophenol	48.6	5.00	"				10-149		12.6	20	
2,4-Dinitrotoluene	39.2	5.00	"				41-114		2.29	20	
1,2-Dichlorobenzene	28.9	5.00	"				42-85		8.03	20	
2,6-Dinitrotoluene	37.2	5.00	"				49-106		1.47	20	
2-Chloronaphthalene	28.1	5.00	"				40-96		4.99	20	
2-Chlorophenol	27.4	5.00	"				35-84		7.57	20	
2-Methylnaphthalene	29.9	5.00	"				33-101		4.16	20	
1,3-Dichlorobenzene	28.5	5.00	"				45-80		8.51	20	
2-Methylphenol	22.4	5.00	"				10-90		5.61	20	
2-Nitroaniline	35.4	5.00	"				31-122		2.11	20	
1,4-Dichlorobenzene	27.1	5.00	"				42-82		5.86	20	
2-Nitrophenol	31.2	5.00	"				37-97		4.53	20	
3- & 4-Methylphenols	18.8	5.00	"				10-101		4.86	20	
3,3'-Dichlorobenzidine	36.7	5.00	"				25-155		6.70	20	
3-Nitroaniline	35.6	5.00	"				29-128		5.31	20	
4,6-Dinitro-2-methylphenol	31.3	5.00	"				10-135		6.30	20	
4-Bromophenyl phenyl ether	29.8	5.00	"				38-116		13.0	20	
4-Chloro-3-methylphenol	30.6	5.00	"				28-101		4.06	20	
4-Chloroaniline	31.1	5.00	"				10-154		1.03	20	
4-Chlorophenyl phenyl ether	27.5	5.00	"				34-112		1.65	20	
4-Nitroaniline	30.6	5.00	"				15-143		3.98	20	
4-Nitrophenol	8.27	5.00	"				10-112		0.850	20	
Acenaphthene	30.2	0.0500	"				24-114		5.76	20	
Acenaphthylene	28.2	0.0500	"				26-112		4.95	20	
Acetophenone	32.2	5.00	"				47-92		5.06	20	
Aniline	23.1	5.00	"				10-107		9.71	20	
Anthracene	28.8	0.0500	"				35-114		2.06	20	
Atrazine	32.8	0.500	"				43-101		6.07	20	
Benzaldehyde	30.6	5.00	"				17-117		3.29	20	
Benzo(a)anthracene	33.2	0.0500	"				38-127		5.00	20	
Benzo(a)pyrene	43.9	0.0500	"				30-146		0.159	20	
Benzo(b)fluoranthene	15.9	0.0500	"				36-145		127	20	Non-dir.
Benzo(g,h,i)perylene	29.0	0.0500	"				10-163		65.2	20	Non-dir.
Benzo(k)fluoranthene	55.8	0.0500	"				16-149		25.2	20	Non-dir.
Benzoic acid	ND	50.0	"				30-130			20	
Benzyl alcohol	23.1	5.00	"				18-75		5.69	20	
Benzyl butyl phthalate	38.3	5.00	"				28-129		0.209	20	
Bis(2-chloroethoxy)methane	31.7	5.00	"				27-112		5.55	20	
Bis(2-chloroethyl)ether	30.0	5.00	"				24-114		7.22	20	
Bis(2-chloroisopropyl)ether	36.6	5.00	"				21-124		6.22	20	
Bis(2-ethylhexyl)phthalate	42.3	0.500	"				10-171		9.97	20	
Caprolactam	5.71	5.00	"				10-29		8.58	20	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61220 - EPA 3510C											
LCS Dup (BD61220-BSD1)							Prepared & Analyzed: 04/25/2016				
Carbazole	32.6	5.00	ug/L				49-116		3.91	20	
Hexachlorobutadiene	27.3	0.500	"				25-106		11.2	20	
Chrysene	35.3	0.0500	"				33-120		0.537	20	
Dibenzo(a,h)anthracene	29.4	0.0500	"				10-149		51.3	20	Non-dir.
Dibenzofuran	30.6	5.00	"				42-105		1.41	20	
Diethyl phthalate	32.2	5.00	"				38-112		2.10	20	
Dimethyl phthalate	35.6	5.00	"				49-106		1.64	20	
Di-n-butyl phthalate	27.2	5.00	"				36-110		5.44	20	
Di-n-octyl phthalate	40.2	5.00	"				12-149		0.842	20	
Naphthalene	29.2	0.0500	"				30-99		5.17	20	
Fluoranthene	30.2	0.0500	"				33-126		0.692	20	
Fluorene	30.6	0.0500	"				28-117		3.40	20	
Hexachlorobenzene	28.2	0.0200	"				27-120		5.19	20	
Hexachlorocyclopentadiene	67.4	5.00	"				10-99		13.3	20	
Hexachloroethane	32.8	0.500	"				33-84		6.54	20	
Indeno(1,2,3-cd)pyrene	13.4	0.0500	"				10-150		72.0	20	Non-dir.
Isophorone	33.0	5.00	"				29-115		4.66	20	
Nitrobenzene	31.1	0.250	"				32-113		1.92	20	
N-Nitrosodimethylamine	13.5	0.500	"				10-63		2.42	20	
N-nitroso-di-n-propylamine	34.8	5.00	"				36-118		6.90	20	
N-Nitrosodiphenylamine	27.9	5.00	"				27-145		3.28	20	
Pentachlorophenol	35.8	0.250	"				19-127		9.91	20	
Phenanthrene	29.7	0.0500	"				31-112		4.87	20	
Phenol	11.7	5.00	"				10-37		3.92	20	
Pyrene	39.9	0.0500	"				42-125		17.8	20	
Surrogate: 2-Fluorophenol	*13.7*		*"*	*75.0*		*18.3*	*12-64*				
Surrogate: Phenol-d5	*9.41*		*"*	*75.2*		*12.5*	*10-82*				
Surrogate: Nitrobenzene-d5	*11.9*		*"*	*50.0*		*23.8*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*10.5*		*"*	*50.0*		*21.0*	*16-84*				
Surrogate: 2,4,6-Tribromophenol	*23.9*		*"*	*75.4*		*31.7*	*15-104*				
Surrogate: Terphenyl-d14	*11.5*		*"*	*50.2*		*22.9*	*15-106*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61296 - EPA SW846-3510C Low Level											
Blank (BD61296-BLK1)								Prepared: 04/25/2016 Analyzed: 04/26/2016			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Tetrachloro-m-xylene	*0.168*		*"*	*0.200*		*83.8*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.182*		*"*	*0.200*		*91.1*	*30-120*				
LCS (BD61296-BS1)								Prepared: 04/25/2016 Analyzed: 04/26/2016			
4,4'-DDD	0.103	0.00400	ug/L	0.100		103	40-120				
4,4'-DDE	0.0971	0.00400	"	0.100		97.1	40-120				
4,4'-DDT	0.114	0.00400	"	0.100		114	40-120				
Aldrin	0.0912	0.00400	"	0.100		91.2	40-120				
alpha-BHC	0.108	0.00400	"	0.100		108	40-120				
beta-BHC	0.104	0.00400	"	0.100		104	40-120				
delta-BHC	0.115	0.00400	"	0.100		115	40-120				
Dieldrin	0.0934	0.00200	"	0.100		93.4	40-120				
Endosulfan I	0.0963	0.00400	"	0.100		96.3	40-120				
Endosulfan II	0.101	0.00400	"	0.100		101	40-120				
Endosulfan sulfate	0.0990	0.00400	"	0.100		99.0	40-120				
Endrin	0.111	0.00400	"	0.100		111	40-120				
Endrin aldehyde	0.103	0.0100	"	0.100		103	40-120				
Endrin ketone	0.116	0.0100	"	0.100		116	40-120				
gamma-BHC (Lindane)	0.111	0.00400	"	0.100		111	40-120				
Heptachlor	0.108	0.00400	"	0.100		108	40-120				
Heptachlor epoxide	0.0963	0.00400	"	0.100		96.3	40-120				
Methoxychlor	0.120	0.00400	"	0.100		120	40-120				
Surrogate: Tetrachloro-m-xylene	*0.197*		*"*	*0.200*		*98.6*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.194*		*"*	*0.200*		*96.8*	*30-120*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61296 - EPA SW846-3510C Low Level											
LCS Dup (BD61296-BSD1)								Prepared: 04/25/2016 Analyzed: 04/26/2016			
4,4'-DDD	0.0959	0.00400	ug/L	0.100		95.9	40-120		7.33	30	
4,4'-DDE	0.0922	0.00400	"	0.100		92.2	40-120		5.18	30	
4,4'-DDT	0.103	0.00400	"	0.100		103	40-120		10.4	30	
Aldrin	0.0888	0.00400	"	0.100		88.8	40-120		2.63	30	
alpha-BHC	0.106	0.00400	"	0.100		106	40-120		1.95	30	
beta-BHC	0.102	0.00400	"	0.100		102	40-120		1.67	30	
delta-BHC	0.113	0.00400	"	0.100		113	40-120		1.41	30	
Dieldrin	0.0897	0.00200	"	0.100		89.7	40-120		4.04	30	
Endosulfan I	0.0926	0.00400	"	0.100		92.6	40-120		3.90	30	
Endosulfan II	0.0952	0.00400	"	0.100		95.2	40-120		6.05	30	
Endosulfan sulfate	0.0880	0.00400	"	0.100		88.0	40-120		11.8	30	
Endrin	0.107	0.00400	"	0.100		107	40-120		3.61	30	
Endrin aldehyde	0.0909	0.0100	"	0.100		90.9	40-120		12.2	30	
Endrin ketone	0.114	0.0100	"	0.100		114	40-120		1.52	30	
gamma-BHC (Lindane)	0.109	0.00400	"	0.100		109	40-120		1.86	30	
Heptachlor	0.106	0.00400	"	0.100		106	40-120		2.23	30	
Heptachlor epoxide	0.0940	0.00400	"	0.100		94.0	40-120		2.41	30	
Methoxychlor	0.120	0.00400	"	0.100		120	40-120		0.281	30	
Surrogate: Tetrachloro-m-xylene	*0.182*		*"*	*0.200*		*91.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.186*		*"*	*0.200*		*93.2*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61296 - EPA SW846-3510C Low Level											
Blank (BD61296-BLK2)								Prepared: 04/25/2016 Analyzed: 04/26/2016			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.131*		*"*	*0.200*		*65.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.146*		*"*	*0.200*		*73.0*	*30-120*				
LCS (BD61296-BS2)								Prepared: 04/25/2016 Analyzed: 04/26/2016			
Aroclor 1016	0.740	0.0500	ug/L	1.00		74.0	40-120				
Aroclor 1260	0.772	0.0500	"	1.00		77.2	40-120				
Surrogate: Tetrachloro-m-xylene	*0.128*		*"*	*0.200*		*64.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.147*		*"*	*0.200*		*73.5*	*30-120*				
LCS Dup (BD61296-BSD2)								Prepared: 04/25/2016 Analyzed: 04/26/2016			
Aroclor 1016	0.696	0.0500	ug/L	1.00		69.6	40-120		6.07	30	
Aroclor 1260	0.721	0.0500	"	1.00		72.1	40-120		6.91	30	
Surrogate: Tetrachloro-m-xylene	*0.123*		*"*	*0.200*		*61.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.135*		*"*	*0.200*		*67.5*	*30-120*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61018 - EPA 3015A											
Blank (BD61018-BLK1)								Prepared & Analyzed: 04/20/2016			
Aluminum - Dissolved	ND	0.050	mg/L								
Antimony - Dissolved	ND	0.005	"								
Arsenic - Dissolved	ND	0.004	"								
Barium - Dissolved	ND	0.010	"								
Beryllium - Dissolved	ND	0.001	"								
Cadmium - Dissolved	ND	0.003	"								
Calcium - Dissolved	ND	0.050	"								
Chromium - Dissolved	ND	0.005	"								
Cobalt - Dissolved	ND	0.005	"								
Copper - Dissolved	ND	0.003	"								
Iron - Dissolved	ND	0.020	"								
Lead - Dissolved	ND	0.003	"								
Magnesium - Dissolved	ND	0.050	"								
Manganese - Dissolved	ND	0.005	"								
Nickel - Dissolved	ND	0.005	"								
Potassium - Dissolved	ND	0.050	"								
Selenium - Dissolved	ND	0.010	"								
Silver - Dissolved	ND	0.005	"								
Sodium - Dissolved	ND	0.100	"								
Thallium - Dissolved	ND	0.005	"								
Vanadium - Dissolved	ND	0.010	"								
Zinc - Dissolved	ND	0.010	"								
Duplicate (BD61018-DUP1)	*Source sample: 16D0677-01 (GP-8)							Prepared & Analyzed: 04/20/2016			
Aluminum - Dissolved	ND	0.056	mg/L		ND					20	
Antimony - Dissolved	ND	0.006	"		ND					20	
Arsenic - Dissolved	ND	0.004	"		ND					20	
Barium - Dissolved	0.043	0.011	"		0.043				1.17	20	
Beryllium - Dissolved	ND	0.001	"		ND					20	
Cadmium - Dissolved	ND	0.003	"		ND					20	
Calcium - Dissolved	91.8	0.056	"		92.7				0.989	20	
Chromium - Dissolved	ND	0.006	"		ND					20	
Cobalt - Dissolved	ND	0.006	"		ND					20	
Copper - Dissolved	0.007	0.003	"		0.007				1.21	20	
Iron - Dissolved	0.057	0.022	"		0.062				7.77	20	
Lead - Dissolved	0.003	0.003	"		0.004				8.63	20	
Magnesium - Dissolved	33.9	0.056	"		33.2				1.94	20	
Manganese - Dissolved	0.390	0.006	"		0.388				0.483	20	
Nickel - Dissolved	ND	0.006	"		ND					20	
Potassium - Dissolved	4.68	0.056	"		4.53				3.26	20	
Selenium - Dissolved	ND	0.011	"		ND					20	
Silver - Dissolved	ND	0.006	"		ND					20	
Sodium - Dissolved	50.0	0.111	"		50.8				1.59	20	
Thallium - Dissolved	ND	0.006	"		ND					20	
Vanadium - Dissolved	ND	0.011	"		ND					20	
Zinc - Dissolved	0.015	0.011	"		0.015				6.20	20	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61018 - EPA 3015A											
Matrix Spike (BD61018-MS1)	*Source sample: 16D0677-01 (GP-8)						Prepared & Analyzed: 04/20/2016				
Antimony - Dissolved	0.308	0.006	mg/L	0.278	ND	111	75-125				
Arsenic - Dissolved	2.26	0.004	"	2.22	ND	102	75-125				
Barium - Dissolved	2.38	0.011	"	2.22	0.043	105	75-125				
Beryllium - Dissolved	0.055	0.001	"	0.0556	ND	99.6	75-125				
Cadmium - Dissolved	0.057	0.003	"	0.0556	ND	102	75-125				
Chromium - Dissolved	0.230	0.006	"	0.222	ND	103	75-125				
Cobalt - Dissolved	0.584	0.006	"	0.556	ND	105	75-125				
Copper - Dissolved	0.299	0.003	"	0.278	0.007	105	75-125				
Iron - Dissolved	1.21	0.022	"	1.11	0.062	103	75-125				
Lead - Dissolved	0.558	0.003	"	0.556	0.004	99.7	75-125				
Manganese - Dissolved	0.995	0.006	"	0.556	0.388	109	75-125				
Nickel - Dissolved	0.572	0.006	"	0.556	ND	103	75-125				
Selenium - Dissolved	2.22	0.011	"	2.22	ND	99.9	75-125				
Silver - Dissolved	0.059	0.006	"	0.0556	ND	107	75-125				
Thallium - Dissolved	2.25	0.006	"	2.22	ND	101	75-125				
Vanadium - Dissolved	0.567	0.011	"	0.556	ND	102	75-125				
Zinc - Dissolved	0.576	0.011	"	0.556	0.015	101	75-125				
Reference (BD61018-SRM1)							Prepared & Analyzed: 04/20/2016				
Aluminum - Dissolved	0.538		ug/mL	0.480		112	79.1-121.5				
Antimony - Dissolved	0.397		"	0.360		110	79.1-117.5				
Arsenic - Dissolved	0.740		"	0.720		103	84.5-114.1				
Barium - Dissolved	0.399		"	0.400		99.6	85-115				
Beryllium - Dissolved	0.155		"	0.160		96.8	85-115				
Cadmium - Dissolved	0.434		"	0.440		98.6	85-115				
Calcium - Dissolved	101		"	107		94.1	86-114				
Chromium - Dissolved	0.227		"	0.220		103	85-115				
Cobalt - Dissolved	0.558		"	0.540		103	85-115				
Copper - Dissolved	0.802		"	0.760		106	85-115				
Iron - Dissolved	0.865		"	0.900		96.1	85-115				
Lead - Dissolved	0.858		"	0.840		102	85-115				
Magnesium - Dissolved	17.4		"	17.9		97.4	86-114				
Manganese - Dissolved	1.21		"	1.20		101	85-115				
Nickel - Dissolved	0.599		"	0.600		99.8	87.5-113.3				
Potassium - Dissolved	27.0		"	29.1		92.8	84.9-115				
Selenium - Dissolved	0.725		"	0.720		101	85-115				
Silver - Dissolved	0.735		"	0.829		88.7	85-114.9				
Sodium - Dissolved	96.1		"	99.8		96.3	85-115				
Thallium - Dissolved	0.677		"	0.679		99.7	82.9-115.4				
Vanadium - Dissolved	0.216		"	0.220		98.1	85-115				
Zinc - Dissolved	0.588		"	0.580		101	85-115				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61062 - EPA 7473 water											
Blank (BD61062-BLK1)								Prepared: 04/21/2016 Analyzed: 04/22/2016			
Mercury - Dissolved	ND	0.00020	mg/L								
Duplicate (BD61062-DUP1)	*Source sample: 16D0677-01 (GP-8)							Prepared: 04/21/2016 Analyzed: 04/22/2016			
Mercury - Dissolved	ND	0.00020	mg/L		ND					20	
Matrix Spike (BD61062-MS1)	*Source sample: 16D0677-01 (GP-8)							Prepared: 04/21/2016 Analyzed: 04/22/2016			
Mercury - Dissolved	0.00164		mg/L	0.00200	ND	82.0	75-125				
Reference (BD61062-SRM1)								Prepared: 04/21/2016 Analyzed: 04/22/2016			
Mercury - Dissolved	0.0025606		mg/L	0.00230		111	61.3-135				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16D0677-01	GP-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16D0677-02	GP-9	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16D0677-03	GP-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16D0677-04	TRIP BLANK	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

S-08	The recovery of this surrogate was outside of QC limits.
M-LSRD	Original sample conc <50 X reporting limit.
M-CCBNS	Analyte in CCB above MDL. Not detected in samples.
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.

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*	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.

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(203) 325-1371
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Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 16D0677

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: Liberty Environmental	Company:	Company:	160020	RUSH - Same Day ☐	Summary Report
Address: 151 Varick Street #102 NY NY 10013	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary ✓
Phone No. 212 255 0374	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person: Raphael Rosenbaum	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: rrosenbaum@LibertyEnviro.com	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY ✓ NJ___	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ✓	NY ASP B Package
					NJDEP Red. Deliv.
					Electronic Data Deliverables (EDD)
					Simple Excel
					NYSDEC EQuIS
					EQuIS (std)
					EZ-EDD (EQuIS)
					NJDEP SRP HazSite EDD
					GIS/KEY (std)
					Other
					York Regulatory Comparison Excel Spreadsheet
					Compare to the following Regs. (please fill in):

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/Authorized By (Signature)

Raphael Rosenbaum
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
GP-8	4/18/2016 1756	GW	TCL VOC/SVOC, Pest/PCB, Dissolved TAL metals	
GP-9	1858	GW	" " "	
GP-10	1947	GW	" " "	
TRIP BLANK		TB	TCL VOC	

Comments: Dissolved metals have been field filtered.

Preservation
Check those Applicable
Special Instructions
Field Filtered ✓
Lab to Filter ☐

4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____
ZnAc____ Ascorbic Acid____ Other____

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	4/19/16	[signature]	4/19/16 12:09
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	4/19/16-1717

Temperature on Receipt: 3.8 °C