



PHASE II
ENVIRONMENTAL
SITE ASSESSMENT

Betances Houses VI
472 Willis Avenue
Block 2291, Portions of Lot 1
Borough of Bronx
New York City, New York

NYSDEC Spill Number: 9813188
CEQR Number: 18CHA005X

March 21, 2018

WCD File: BB17076.40

Environmental & Construction Risk Management

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Prepared By:

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The undersigned has reviewed this Phase II Environmental Site Assessment and certifies to Betances VI Partners LLC that the information provided in this document is accurate as of the date of issuance by this office.

The undersigned is a Qualified Environmental Professional as defined by 6 NYCRR Part 375-1.2 (ak) and supporting documents. The undersigned possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding the presence of releases or threatened releases to the surface or subsurface of the site or off-site areas, sufficient to meet the objectives and performance factors for the areas of practice identified in NYSDEC guidance document DER-10.

Paul H. Ciminello

March 21, 2018



Qualified Environmental Professional

Date

Signature



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1.0 INTRODUCTION

1.1 Purpose

This Phase II Environmental Site Assessment (Report) documents environmental fieldwork performed by WCD Group, LLC (WCD) at the Betances Houses VI property, located at 472 Willis Avenue, Borough of Bronx, New York City, New York. Investigative and analytical work were performed in accordance with a NYCDEP approved Phase II Investigation Work Plan (Work Plan, December 12, 2017), prepared by WCD to address potential environmental liabilities on specified portions of the subject property (see Section 1.4, below). The specific purpose of this Report is to summarize the work performed by WCD and WCD's subcontractors, and to suggest, if appropriate, further investigative and/or remedial options regarding identified on-site conditions.

This Report describes all fieldwork methodologies for the work conducted by WCD, includes discussions of the resulting analytical data from collected samples and provides conclusions and recommendations drawn from the fieldwork and analytical data.

1.2 Limitations

This written analysis summarizes the site characterization activities conducted on a specified portion of the above-referenced property and is not relevant to other portions of this property or any other property. It is a representation of those portions of the property analyzed as of the respective dates of fieldwork. This Report cannot be held accountable for activities or events resulting in contamination after the dates of fieldwork.

Services summarized in this Report were performed in accordance with generally accepted practices and established New York State Department of Environmental Conservation (NYSDEC) protocols. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgement.

1.3 Site Location and Description

The specified portion of the property on which the environmental investigation was conducted (Site) consists of a vacant one-story building containing three commercial spaces fronting Willis Avenue, and a vacant New York City Housing Authority (NYCHA) maintenance garage fronting East 146th Street (Block 2291, portions of Lot 1). The NYCHA maintenance garage section of the building is "L-shaped", sloping downwards from sidewalk grade to the north (to a final depth of approximately 9' below sidewalk grade [bsg]) and then extending to the west. It is WCD's understanding that the Site is planned for redevelopment as a 15-story residential building with commercial space on the first floor and a cellar containing utilities, residential laundry, and storage. A Fieldwork Map indicating specific Site characteristics is provided in Appendix A.

1.4 Previous Environmental Reports

A Phase I Environmental Site Assessment performed on the property by AKRF in June 2017 identified the following on- and off-site recognized environmental conditions (RECs):

- **Potential Relevant Historical Impacts:** An open NYSDEC spill case (spill number 9813188) is reported for the Site. A letter from the NYSDEC to NYCHA (August 13, 1999) suggests the possible presence of two on-site waste oil underground storage tanks (USTs) and/or a subgrade vault/drywell framed with railroad ties into which waste oil was discharged. NYCHA was aware of these reported conditions and, as of the date of this report, is working with the NYSDEC to obtain spill closure.
- **Potential Relevant Historical Site Uses:** City Directory listings identified automotive repair facilities at 474 Willis Avenue and 472 Willis Avenue, and manufacturing and/or equipment servicing facilities at 402 East 147th Street, a historical address associated with the Site. A 1958 Certificate of Occupancy indicated on-site use of fuel-oil.
- **Potential Relevant Current Site Uses:** Chemical storage was noted in the garage portion of the building. Evidence of an ongoing leak was observed, with dark staining and some fresh fluid near on-site machinery.
- **Potential Relevant Off-site Uses:** Nearby historical automotive, dry cleaning, and manufacturing uses could potentially have impacted the subsurface at the Site. One closed NYSDEC spill event was reported nearby, with minimal potential to have affected the Site.

A Limited Phase II Environmental Site Assessment was performed at the Site by American Environmental Assessment & Solutions, Inc. in December 2017 (American Phase II) in order to investigate potential impacts associated with spill number 9813188. No anomalies indicative of underground tanks or buried objects were encountered during a ground penetrating radar (GPR) survey of the Site. Three soil borings were extended through the basement portion of the NYCHA garage and were completed as groundwater monitoring wells. Field evidence of contamination (odors, discoloration and elevated instrument readings) was encountered at one location (SB-2). Laboratory analysis documented low-level exceedances of polycyclic aromatic hydrocarbons (PAHs) in one soil sample (SB-2 6'-8') and in all groundwater samples. No volatile organic compounds (VOCs) were detected in soil or groundwater samples above applicable guidance levels.

2.0 SUBSURFACE INVESTIGATION

2.1 Summary of Services

WCD conducted the following services at the Site:

- Extended five soil borings to depth of approximately 15 feet bsg (2 feet below the maximum proposed depth of excavation during Site redevelopment);
- Coordinated and supervised the installation of four groundwater monitoring wells within the sidewalks surrounding the Site;
- Installed three temporary sub-slab soil vapor implants; and,
- Documented the presence or absence of contamination through sampling and laboratory analysis of subsurface soil, soil vapor and groundwater samples for various compounds.

This Report is divided into individual sections that document fieldwork methodology (Section 2.2) and laboratory results (Section 2.3), and present WCD's conclusions and recommendations (Section 3.0). A map indicating all fieldwork locations and selected Site features is provided in Appendix A.

2.2 Fieldwork Activities

2.2.1 Site Preparation Services

WCD requested a complete utility markout (as required by New York State Department of Labor regulations) and on-site personnel reviewed the markout and underground utility locations prior to the initiation of fieldwork.

2.2.2 Fieldwork Methodology

General Protocols

All encountered material was screened with a properly calibrated MiniRAE 3000 (Model PGM 7320) photo-ionization detector (PID) for the presence of any volatile organic vapors where appropriate. WCD described all encountered media in field log books, including specific characteristics, the presence of foreign materials, and field and instrument indications of contamination (e.g., staining, odors, PID readings). Soil boring logs are included as Appendix B.

WCD collected samples in general conformance with NYSDEC and NYSDOH fieldwork protocols. All field personnel wore dedicated, disposable gloves during relevant fieldwork activities, and any non-dedicated sampling instruments were decontaminated prior to media collection.

All samples were collected into appropriately-sized containers provided by the laboratory (with preservatives as required for the specific analysis), and were maintained at proper temperatures

(using ice-packs and coolers as needed) while in WCD's custody. Samples were transported via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

Extension of Soil Borings

WCD extended a total of five soil borings (three manual and two mechanized) on the Site on February 27, 2018. Borings were located in the NYCHA garage at the eastern portion (B-01 and B-02) and at the northern portion (B-04), and in the basements of the commercial spaces (B-03 and B-05). All borings were extended to approximately 15 feet bsg (2 feet below the maximum proposed depth of excavation during Site redevelopment).

All soil borings were extended by personnel from Core Down Drilling. Borings B-01 and B-02 were extended using a track-mounted Geoprobe direct-push corer equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples). The remaining borings were extended using a hand-held Geoprobe direct-push corer equipped with disposable acetate sleeves. Soil was recovered at each boring location at intervals of 2 or 4' to a maximum depth of 15' bsg.

Subsurface soils encountered at the Site during the extension of the soil borings generally consisted of variable texture fill materials (unsorted sands with brick, rock, gravel and other debris) overlying brown, sorted sands.

Field evidence of contamination consisting of low-level positive PID readings, mild odors, and gray/green staining, was encountered at B-04 (at the groundwater interface, approximately 2.5' below the NYCHA garage slab and extending to the bottom of the boring at 6' below the slab [i.e. 15 feet bsg]). No field evidence of contamination was observed at any other boring location.

Saturated soils were encountered during the extension of the soil borings between 12 to 15' bsg.

Soil samples were collected directly from the acetate sleeves, utilizing clean, disposable equipment. Soil collection for VOC analysis was conducted according to USEPA Method 5035 fieldwork protocols, utilizing laboratory sampling kits.

Monitoring Well Installation

Geotechnical borings were extended at the Site by GTA Engineering Services of New York, P.C. (GTA) between November 10 and November 20, 2017. Four of the geotechnical borings were completed as permanent, 2-inch diameter monitoring wells. The wells were set at approximately 30 feet bsg and screened from 10 feet bsg (2 feet of screen above groundwater

and 8 feet below). The wells MW-09, MW-03 and MW-04 are located in the sidewalk to the northwest, southwest, and southeast of the building, respectively. Well MW-02 is located in the NYCHA garage at the northeastern portion of the Site. WCD personnel were present at the site to observe monitoring well installation. No field evidence of contamination was observed during installation of the wells. A copy of the GTA Report of Geotechnical Exploration is provided as Appendix E.

Monitoring Well Development and Sampling

Development of monitoring wells MW-02 through MW-04 and MW-09 was conducted on February 27, 2018 in order to clear fine-grained material that might have settled around the well screen and to enhance the natural hydraulic connection between the well screen and the surrounding soils. Prior to development, each monitoring well casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors. Water removed from each monitoring well was visually inspected for indications of contamination. Development was conducted using a dedicated plastic tubing and a peristaltic pump, and was considered complete when purged water no longer appeared to be turbid and all parameters (turbidity, conductivity, pH and temperature) stabilized.

Monitoring wells were sampled following well development. Water samples were collected following USEPA "Low Stress" (low flow) methodology, after field parameters stabilized during purging. No groundwater samples were filtered prior to submission to the laboratory.

A PID reading of 93.9 ppm was recorded at the top of the casing at MW-03 located at the sidewalk immediately southwest of the project site. No evidence of contamination was noted at any other wells.

Determination of Groundwater Flow

Groundwater depth (from the top of the well casing) was measured at the three sidewalk wells prior to sample collection using an electronic depth meter accurate to the nearest 0.01-foot. Static groundwater elevations were 11.60' (MW-04), 12.83 (MW-03) and 14.19' (MW-09). These data were compared to the relative heights of the well casings (measured by WCD personnel using a surveyor's transit) in order to generate approximate water-table contours, and the approximate direction of groundwater flow was determined to be in a southerly direction (see the map provided as Appendix A).

Collection of Soil Vapor

Three soil vapor samples (SV-01 through SV-03) were collected from beneath the on-site building. SV-01 and SV-02 were collected from the northern and eastern portions of the NYCHA garage and SV-03 was collected in the southern portion of the basement of the commercial spaces.

The slab was breached utilizing a concrete drill and the holes were extended to a depth of 16 inches below the top of the slab. The end of the sample tubing (0.188-inch inner diameter Teflon) was attached to an “air stone” filter and inserted through the borehole. Clean sand was poured into the void surrounding the air stone. The holes were backfilled leaving approximately two inches of depth between the top of the sand and the ground/slab surface. The remaining space at the top of each hole was sealed off with a non-VOC containing clay to prevent surface air from entering the system. A properly calibrated PID was used to measure volatile organics before purging (borehole readings were 16 ppm at SV-02 and less than 1 ppm at SV-01 and SV-03). A vacuum pump was utilized to purge the standing air from the tubing. At least three borehole and tubing volumes were purged prior to collection at a rate of 0.2 liters per minute. Following purging, the vapor samples were collected over a two-hour period using 6-liter stainless steel, laboratory supplied Summa canisters with two-hour calibrated flow controllers.

2.3 Laboratory Analysis

2.3.1 Standards, Criteria and/or Guidance

Soil

Laboratory results for all compounds detected in soils are compared to NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for Unrestricted Use (UU) and Restricted-Residential Use (RRU) as provided in 6 NYCRR Subpart 375, Tables 375-6.8(a) and 375-6.8(b), and (as needed) Soil Cleanup Levels (for gasoline and fuel oil contaminated Soils) presented in NYSDEC CP-51 (Soil Cleanup Guidance, October 2010) Tables 2 through 3.

Groundwater

Laboratory results for all compounds detected in water are compared to NYSDEC Division of Water Ambient Water Quality Standards and Guidance Values (AWQS), provided in Technical and Operational Guidance Series 1.1.1.

Vapor

The State of New York does not have any standards, criteria or guidance values (SCG) for volatile chemicals in subsurface vapors; the NYSDOH does, however, utilize several decision matrices for evaluating potential soil vapor intrusion for a limited number of compounds under specific circumstances (see NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York [October 2006]). Potentially applicable matrix values and/or relatively high concentrations of VOCs are identified in the report text and in data summary tables, as warranted.

2.3.2 Sample Submission

All soil and groundwater samples were analyzed for VOCs using USEPA Method 8260, semi-volatile organic compounds (SVOCs) using USEPA Method 8270, pesticides and polychlorinated biphenyls (PCBs) using USEPA methods 8081/8082, and total and dissolved Target Analyte List (TAL) metals using USEPA Methods 6010/7043.

All soil vapor samples were analyzed for VOCs using USEPA Method TO-15.

2.3.3 Laboratory Results

A summary of the results of the laboratory analyses is presented below. Results are referenced as parts per million (ppm, equivalent to milligrams per kilogram) for soil, parts per billion (ppb, nominally equivalent to micrograms per liter) for groundwater and micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) for soil vapor. Data summary tables and the laboratory reports are provided as Appendices C and D, respectively.

SOIL

VOCs

Slightly elevated concentrations of acetone (UU SCO 0.05 ppm) were detected in B-04 4-6 and B-05 4-6. Trace-level concentrations of several other compounds were detected in the samples.

SVOCs

Elevated concentrations of SVOCs were detected in B-02 0-2, including five compounds above RRU SCOs and two compounds above UU SCOs. Elevated compounds at B-02 0-2 include benzo(a)anthracene (3.8 ppm, RRU SCO 1 ppm), benzo(a)pyrene (3.68 ppm, RRU SCO 1 ppm) and benzo(b)fluoranthene (3.49 ppm, RRU SCO 1 ppm). Numerous other SVOCs were detected in the samples at trace- to low-level concentrations.

Pesticides/PCBs

Elevated concentrations of at least one of the pesticides 4,4'-DDD, 4,4'-DDE, 4,4'-DDT and dieldrin were detected in seven of ten samples. A low-level concentration of one PCB (Aroclor 1260) was detected in B-04 0-2.

TAL Metals

Elevated concentrations of lead above the RRU SCO (400 ppm) were detected in B-01 0-2 (501 ppm) and B-04 4-6 (534 ppm). An elevated concentration of barium was detected above the RRU SCO (400 ppm) in B-04 4-6 (909 ppm). Several other metals were detected above UU SCOs in all samples except B-02 12-14.

GROUNDWATER

VOCs

No compounds were detected above AWQS. Low-level concentrations of tetrachloroethylene (PCE) and trichloroethylene (TCE) were detected in MW-02 through MW-04. Several other compounds were detected in the samples at trace- to low-level concentrations.

SVOCs

No SVOCs were detected above AWQS. Several SVOCs were detected in the samples at trace- to low-level concentrations.

Pesticides/PCBs

No pesticides or PCBs were detected in any groundwater sample.

Total TAL Metals

Total metals above AWQS were detected in all groundwater samples, including sodium (AWQS 20,000 ppb, peak 443,000 ppb in MW-09), selenium (AWQS 10 ppb, peak 107 ppb in MW-09), magnesium (AWQS 35,000 ppb, peak 79,200 ppb in MW-09), and manganese/iron (AWQS 500 ppb total, peak 1528 in MW-09).

Dissolved TAL Metals

Dissolved metals above AWQS were detected in all groundwater samples, including sodium (AWQS 20,000 ppb, peak 426,000 ppb in MW-09), selenium (AWQS 10 ppb, peak 103 ppb in MW-09), magnesium (AWQS 35,000 ppb, peak 79,100 ppb in MW-09), and manganese/iron (AWQS 500 ppb total, peak 1468 in MW-09).

SOIL VAPOR

Low-level concentrations of numerous VOCs typically encountered in urban settings, including petroleum compounds, solvents and propellants were detected in all samples.

3.0 CONCLUSIONS AND RECOMMENDATIONS

This office has completed the services summarized in Section 2.0 on specified portions of the Betances VI Houses property, located at 472 Willis Avenue, Borough of Bronx, New York City, New York. Services included the extension of five soil borings, the installation of four groundwater monitoring wells, and the installation of three temporary soil vapor implants, and the collection of soil, soil vapor, and groundwater samples to properly characterize the Site for potential environmental impacts from historical on- and off-site activities.

Based on the services provided and data generated, the following conclusions and recommendations (in **bold**) have been made.

1. Field evidence of low grade petroleum contamination was encountered in soil boring B-04, likely associated with open spill number 9813188. Laboratory data, however, document an absence of any elevated concentrations of volatile organic compounds (VOCs) or polycyclic aromatic hydrocarbons (PAHs) in this sample. Although the lateral and vertical extent of impacts have not been fully delineated at this time, an absence of impacts at all other boring locations and monitoring wells suggest that the area of impacts is limited.

No further investigation is recommended. Any further delineation or removal of petroleum-impacted soils should be conducted during planned redevelopment activities, with the goal of eventual closure of spill number 9813188.

2. Elevated concentrations of organic compounds and metals were encountered in shallow soils throughout the Site, indicating the presence of poor quality urban fill materials. These materials may require off-site disposal as a regulated waste.

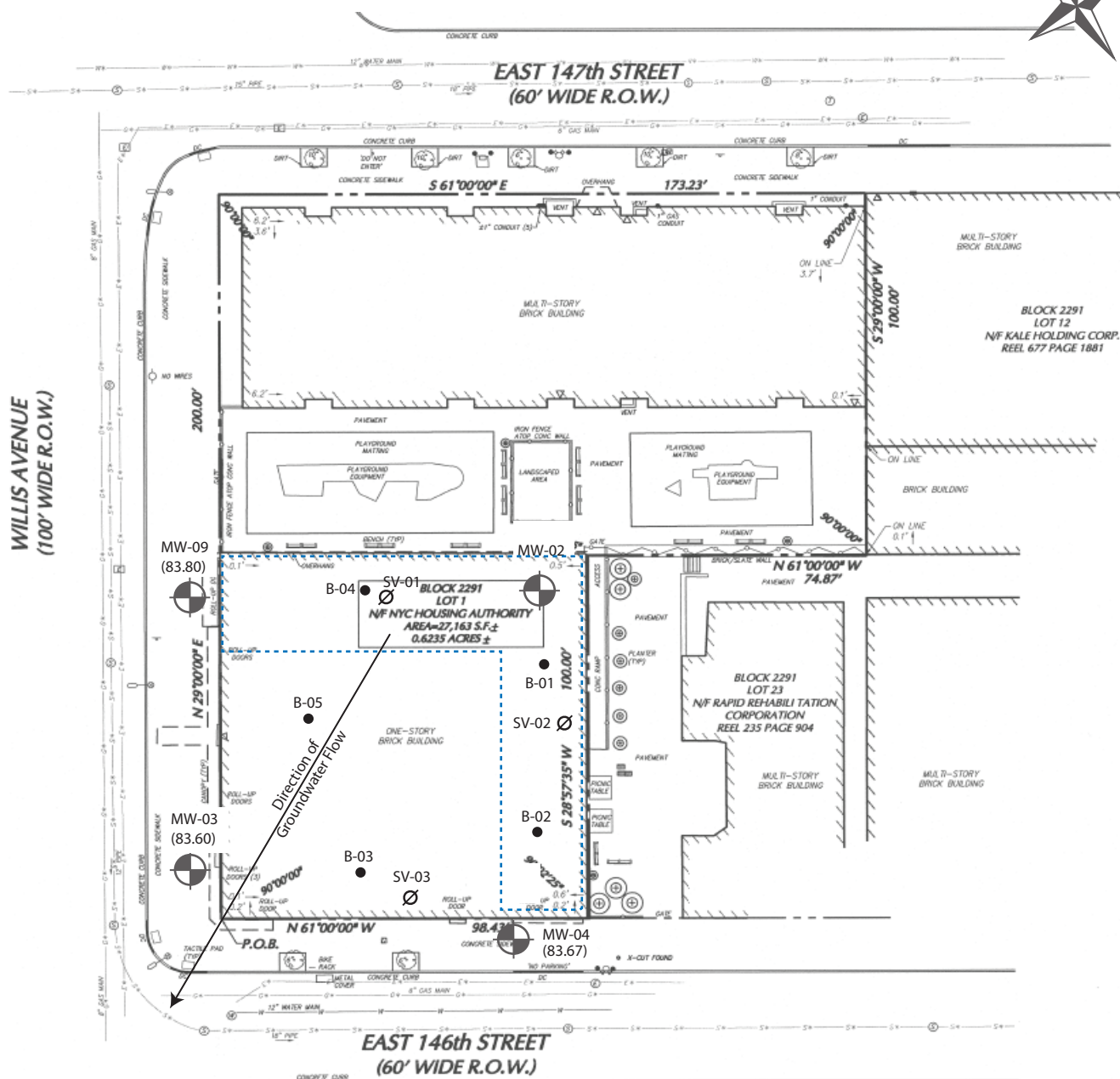
Future site development should be conducted with an awareness of the presence of on-site fill materials, which will likely require special handling and incur additional costs for removal.

3. Low-level concentrations of VOCs were detected in both soil vapor and groundwater samples at the Site. Elevated metals and low-level concentrations of SVOCs were also detected in on-site groundwater. The detected concentrations are consistent with those typically encountered in urban areas and are not indicative of any significant source areas of contamination at or in the immediate vicinity of the Site.

No further investigation is recommended. Consideration should be given to installing a sub-slab depressurization system in any new on-site buildings.

APPENDIX A

Fieldwork Map



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

APPENDIX B

Boring Logs

Soil Boring Log



B-01 (SHEET 1 OF 1)	Phase II ESA Betances Houses VI, 472 Willis Avenue, Bronx, New York							<i>FILE</i> <i>BB17076.40</i>
	DATE: 2018-02-16		DRILLER (RIG)		Core Down Drilling (Geoprobe, 4' macro-core)			
	STAFF: T. Goodnough		WEATHER:		Cloudy, 60s F			
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (4")		MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
	SOIL / MATERIAL DESCRIPTION							
0 – 4' (60%)	Variable color, variable texture SAND with brick throughout		Dry	0.0	ND	ND	ND	0-2
	Brown/orange, M SAND		Dry	0.0	ND	ND	ND	
4 – 8' (75%)	Medium brown, F SAND with metallic flecks, turning to brown/tan, C SAND		Moist -wet	0.0	ND	ND	ND	5-7
	***** Saturated at 6' ***** ***** End of Boring at 8' *****							
Notes	Fill Materials ~0 – 3.75' Field Evidence of Contamination Not encountered Saturated Soils ~6 - 8'							

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log



B-02 (SHEET 1 OF 1)	Phase II ESA Betances Houses VI, 472 Willis Avenue, Bronx, New York							<i>FILE</i> <i>BB17076.40</i>
	DATE: 2018-02-16		DRILLER (RIG)		Core Down Drilling (Geoprobe, 4' macro-core)			
	STAFF: T. Goodnough		WEATHER:		Cloudy, 60s F			
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (4")		MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
	SOIL / MATERIAL DESCRIPTION							
0 – 4' (75%)	Variable color, variable texture SAND with brick, gravel, rock, wood		Dry	0.1	ND	ND	ND	0-2
4 – 8' (60%)	Medium brown, M-F SAND with brick, gravel and rock		Dry	0.0	ND	ND	ND	
	Brown/orange, M-F SAND		Moist	0.0	ND	ND	ND	
8 – 12' (60%)	Medium brown, M-C SAND with metallic flecks, turning to C SAND		Moist	0.0	ND	ND	ND	
12 – 16' (80%)	Medium/dark brown, C SAND with metallic flecks, M brown, SILT from ~14-15'		Wet	0.2	ND	ND	ND	12-14
	***** Saturated at 12' *****							
	***** End of Boring at 16' *****							
Notes	Fill Materials ~0 - 7' Field Evidence of Contamination Not encountered Saturated Soils ~12 - 16'							

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log



B-03 (SHEET 1 OF 1)	Phase II ESA Betances Houses VI, 472 Willis Avenue, Bronx, New York							<i>FILE</i> <i>BB17076.40</i>
	DATE: 2018-02-16 DRILLER (RIG) Manual Geoprobe (2' macro-core)							
	STAFF: T. Goodnough WEATHER: Cloudy, 60s F							
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (4")		MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
	SOIL / MATERIAL DESCRIPTION							
0 – 2' (50%)	Medium brown, M-F SAND with brick, concrete and gravel		Dry	0.0	ND	ND	ND	0-2
2 – 4' (33%)	Medium brown, M-F SAND with brick and gravel		Moist	0.0	ND	ND	ND	
4 – 6' (50%)	Medium brown, M-F SAND with metallic flecks		Moist	0.0	ND	ND	ND	4-6
	***** End of Boring at 6' *****							
Notes	Fill Materials ~0 - 4' Field Evidence of Contamination Not encountered Saturated Soils Not encountered							

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log



B-04 (SHEET 1 OF 1)	Phase II ESA Betances Houses VI, 472 Willis Avenue, Bronx, New York							<i>FILE</i> <i>BB17076.40</i>
	DATE: 2018-02-16 DRILLER (RIG) Manual Geoprobe (2' macro-core)							
	STAFF: T. Goodnough WEATHER: Cloudy, 60s F							
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (4")		MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
	SOIL / MATERIAL DESCRIPTION							
0 – 2' (75%)	Dark brown, M-F SAND with brick, concrete and gravel		Dry	0.0	ND	ND	ND	0-2
2 – 4' (60%)	Dark brown, M-F SAND with brick and gravel		Moist	0.0	ND	ND	ND	
	Gray stained, M-F SAND with wood		Moist	6.0	Yes	Yes	ND	
4 – 6' (80%)	Gray/green stained, variable texture SAND with brick		Moist	4.5	Yes	Yes	ND	4-6
	***** End of Boring at 6' *****							
Notes	Fill Materials ~0 - 6' Field Evidence of Contamination Gray/green staining, mild petroleum odors and low PID readings from ~2.5 - 6' Saturated Soils Not encountered							

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log



B-05 (SHEET 1 OF 1)	Phase II ESA Betances Houses VI, 472 Willis Avenue, Bronx, New York							<i>FILE</i> <i>BB17076.40</i>
	DATE: 2018-02-16 DRILLER (RIG) Manual Geoprobe (2' macro-core)							
	STAFF: T. Goodnough WEATHER: Cloudy, 60s F							
BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (4")		MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
	SOIL / MATERIAL DESCRIPTION							
0 – 2' (75%)	Medium/dark brown, M-F SAND with brick, asphalt and gravel		Dry	0.0	ND	ND	ND	0-2
2 – 4' (50%)	Medium/dark brown, M-F SAND with brick and gravel		Dry-moist	0.0	ND	ND	ND	
4 – 6' (85%)	Medium brown, M-F SAND with metallic flecks		Moist	0.0	ND	ND	ND	4-6
	***** End of Boring at 6' *****							
Notes	Fill Materials ~0 – 4.25' Field Evidence of Contamination Not encountered Saturated Soils Not encountered							

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

APPENDIX C

Data Summary Tables

Table 1: VOCs in Soils
NYSDEC Spill No. 9813188
WCD File:BB17076.40



All data in mg/Kg (ppm)		Sample ID	B-01 0-2		B-01 5-7		B-02 0-2		B-02 12-14	
U= Not Detected ≥ indicated value		Sample Date	(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)	
Data above SCOs shown in Bold		Dilution Factor	1		1		1		1	
VOCs, 8260	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,1,1-Trichloroethane	0.68	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,1,2-Trichloroethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,1-Dichloroethane	0.27	26	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,2,3-Trichlorobenzene	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,2,3-Trichloropropane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,2,4-Trichlorobenzene	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,2,4-Trimethylbenzene	3.6	52	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,2-Dibromo-3-chloropropane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,2-Dibromoethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,2-Dichlorobenzene	1.1	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,2-Dichloroethane	0.02	3.1	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,2-Dichloropropane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,3,5-Trimethylbenzene	8.4	52	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,3-Dichlorobenzene	2.4	49	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,4-Dichlorobenzene	1.8	13	0.0023	U	0.0027	U	0.0022	U	0.0023	U
1,4-Dioxane	0.1	13	0.047	U	0.053	U	0.044	U	0.047	U
2-Butanone (MEK)	0.12	100	0.0023	U	0.0027	U	0.0039	J	0.0023	U
2-Hexanone	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
4-Methyl-2-pentanone	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Acetone	0.05	100	0.012	B	0.0075	J	0.027	B	0.0047	U
Acrolein	NA	NA	0.0047	U	0.0053	U	0.0044	U	0.0047	U
Acrylonitrile	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Benzene	0.06	4.8	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Bromochloromethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Bromodichloromethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Bromoform	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Bromomethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Carbon disulfide	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Carbon tetrachloride	0.76	2.4	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Chlorobenzene	1.1	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Chloroethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Chloroform	0.37	49	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Chloromethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
cis-1,3-Dichloropropylene	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Cyclohexane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Dibromochloromethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Dibromomethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Dichlorodifluoromethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Ethyl Benzene	1	41	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Hexachlorobutadiene	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Isopropylbenzene	2.3	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Methyl acetate	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Methylcyclohexane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Methylene chloride	0.05	100	0.0079	J	0.0094	J	0.0044	U	0.0047	U
n-Butylbenzene	12	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
n-Propylbenzene	3.9	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
o-Xylene	0.26	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
p- & m- Xylenes	0.26	100	0.0047	U	0.0053	U	0.0044	U	0.0047	U
p-Isopropyltoluene	10	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
sec-Butylbenzene	11	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Styrene	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
tert-Butyl alcohol (TBA)	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
tert-Butylbenzene	5.9	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Tetrachloroethylene (PCE)	1.3	19	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Toluene	0.7	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0023	U	0.0027	U	0.0022	U	0.0023	U
trans-1,3-Dichloropropylene	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Trichloroethylene (TCE)	0.47	21	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Trichlorofluoromethane	NA	NA	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Vinyl chloride (VC)	0.02	0.9	0.0023	U	0.0027	U	0.0022	U	0.0023	U
Xylenes, Total	0.26	100	0.007	U	0.008	U	0.0067	U	0.007	U

Analyte Detected

Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Soils

NYSDEC Spill No. 9813188

WCD File:BB17076.40



All data in mg/Kg (ppm)		Sample ID	B-03 0-2		B-03 4-6		B-04 0-2		B-04 4-6	
U= Not Detected ≥ indicated value		Sample Date	(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)	
Data above SCOs shown in Bold		Dilution Factor	1		1		1		1	
VOCs, 8260	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,1,1-Trichloroethane	0.68	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,1,2-Trichloroethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,1-Dichloroethane	0.27	26	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,2,3-Trichlorobenzene	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,2,3-Trichloropropane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,2,4-Trichlorobenzene	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,2,4-Trimethylbenzene	3.6	52	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,2-Dibromo-3-chloropropane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,2-Dibromoethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,2-Dichlorobenzene	1.1	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,2-Dichloroethane	0.02	3.1	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,2-Dichloropropane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,3,5-Trimethylbenzene	8.4	52	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,3-Dichlorobenzene	2.4	49	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,4-Dichlorobenzene	1.8	13	0.0027	U	0.0022	U	0.0021	U	0.0025	U
1,4-Dioxane	0.1	13	0.054	U	0.044	U	0.042	U	0.051	U
2-Butanone (MEK)	0.12	100	0.0027	U	0.0022	U	0.0021	U	0.012	
2-Hexanone	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
4-Methyl-2-pentanone	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Acetone	0.05	100	0.0079	JB	0.0044	U	0.031		0.053	
Acrolein	NA	NA	0.0054	U	0.0044	U	0.0042	U	0.0051	U
Acrylonitrile	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Benzene	0.06	4.8	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Bromochloromethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Bromodichloromethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Bromoform	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Bromomethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Carbon disulfide	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Carbon tetrachloride	0.76	2.4	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Chlorobenzene	1.1	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Chloroethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Chloroform	0.37	49	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Chloromethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
cis-1,3-Dichloropropylene	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Cyclohexane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Dibromochloromethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Dibromomethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Dichlorodifluoromethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Ethyl Benzene	1	41	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Hexachlorobutadiene	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Isopropylbenzene	2.3	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Methyl acetate	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Methylcyclohexane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Methylene chloride	0.05	100	0.0083	J	0.0073	J	0.0057	J	0.01	
n-Butylbenzene	12	100	0.0027	U	0.0022	U	0.0021	U	0.006	
n-Propylbenzene	3.9	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
o-Xylene	0.26	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
p- & m- Xylenes	0.26	100	0.0054	U	0.0044	U	0.0042	U	0.0051	U
p-Isopropyltoluene	10	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
sec-Butylbenzene	11	100	0.0027	U	0.0022	U	0.0021	U	0.0087	
Styrene	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
tert-Butyl alcohol (TBA)	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
tert-Butylbenzene	5.9	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Tetrachloroethylene (PCE)	1.3	19	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Toluene	0.7	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0027	U	0.0022	U	0.0021	U	0.0025	U
trans-1,3-Dichloropropylene	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Trichloroethylene (TCE)	0.47	21	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Trichlorofluoromethane	NA	NA	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Vinyl chloride (VC)	0.02	0.9	0.0027	U	0.0022	U	0.0021	U	0.0025	U
Xylenes, Total	0.26	100	0.0081	U	0.0066	U	0.0063	U	0.0076	U

Analyte Detected

Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

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Table 1: VOCs in Soils

NYSDEC Spill No. 9813188

WCD File:BB17076.40



All data in mg/Kg (ppm)		Sample ID	B-05 0-2		B-05 4-6	
U= Not Detected ≥ indicated value		Sample Date	(2018-02-16)		(2018-02-16)	
Data above SCOs shown in Bold		Dilution Factor	1		1	
VOCs, 8260	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	NA	NA	0.0023	U	0.0021	U
1,1,1-Trichloroethane	0.68	100	0.0023	U	0.0021	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0023	U	0.0021	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0023	U	0.0021	U
1,1,2-Trichloroethane	NA	NA	0.0023	U	0.0021	U
1,1-Dichloroethane	0.27	26	0.0023	U	0.0021	U
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0023	U	0.0021	U
1,2,3-Trichlorobenzene	NA	NA	0.0023	U	0.0021	U
1,2,3-Trichloropropane	NA	NA	0.0023	U	0.0021	U
1,2,4-Trichlorobenzene	NA	NA	0.0023	U	0.0021	U
1,2,4-Trimethylbenzene	3.6	52	0.0023	U	0.0021	U
1,2-Dibromo-3-chloropropane	NA	NA	0.0023	U	0.0021	U
1,2-Dibromoethane	NA	NA	0.0023	U	0.0021	U
1,2-Dichlorobenzene	1.1	100	0.0023	U	0.0021	U
1,2-Dichloroethane	0.02	3.1	0.0023	U	0.0021	U
1,2-Dichloropropane	NA	NA	0.0023	U	0.0021	U
1,3,5-Trimethylbenzene	8.4	52	0.0023	U	0.0021	U
1,3-Dichlorobenzene	2.4	49	0.0023	U	0.0021	U
1,4-Dichlorobenzene	1.8	13	0.0023	U	0.0021	U
1,4-Dioxane	0.1	13	0.045	U	0.043	U
2-Butanone (MEK)	0.12	100	0.0023	U	0.0021	U
2-Hexanone	NA	NA	0.0023	U	0.0021	U
4-Methyl-2-pentanone	NA	NA	0.0023	U	0.0021	U
Acetone	0.05	100	0.017	B	0.06	B
Acrolein	NA	NA	0.0045	U	0.0043	U
Acrylonitrile	NA	NA	0.0023	U	0.0021	U
Benzene	0.06	4.8	0.0023	U	0.0021	U
Bromochloromethane	NA	NA	0.0023	U	0.0021	U
Bromodichloromethane	NA	NA	0.0023	U	0.0021	U
Bromoform	NA	NA	0.0023	U	0.0021	U
Bromomethane	NA	NA	0.0023	U	0.0021	U
Carbon disulfide	NA	NA	0.0023	U	0.0021	U
Carbon tetrachloride	0.76	2.4	0.0023	U	0.0021	U
Chlorobenzene	1.1	100	0.0023	U	0.0021	U
Chloroethane	NA	NA	0.0023	U	0.0021	U
Chloroform	0.37	49	0.0023	U	0.0021	U
Chloromethane	NA	NA	0.0023	U	0.0021	U
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0023	U	0.0021	U
cis-1,3-Dichloropropylene	NA	NA	0.0023	U	0.0021	U
Cyclohexane	NA	NA	0.0023	U	0.0021	U
Dibromochloromethane	NA	NA	0.0023	U	0.0021	U
Dibromomethane	NA	NA	0.0023	U	0.0021	U
Dichlorodifluoromethane	NA	NA	0.0023	U	0.0021	U
Ethyl Benzene	1	41	0.0023	U	0.0021	U
Hexachlorobutadiene	NA	NA	0.0023	U	0.0021	U
Isopropylbenzene	2.3	100	0.0023	U	0.0021	U
Methyl acetate	NA	NA	0.0023	U	0.0021	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0023	U	0.0021	U
Methylcyclohexane	NA	NA	0.0023	U	0.0021	U
Methylene chloride	0.05	100	0.0045	U	0.0043	U
n-Butylbenzene	12	100	0.0023	U	0.0021	U
n-Propylbenzene	3.9	100	0.0023	U	0.0021	U
o-Xylene	0.26	100	0.0023	U	0.0021	U
p- & m- Xylenes	0.26	100	0.0045	U	0.0043	U
p-Isopropyltoluene	10	NA	0.0023	U	0.0021	U
sec-Butylbenzene	11	100	0.0023	U	0.0021	U
Styrene	NA	NA	0.0023	U	0.0021	U
tert-Butyl alcohol (TBA)	NA	NA	0.0023	U	0.0021	U
tert-Butylbenzene	5.9	100	0.0023	U	0.0021	U
Tetrachloroethylene (PCE)	1.3	19	0.0023	U	0.0021	U
Toluene	0.7	100	0.0023	U	0.0021	U
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0023	U	0.0021	U
trans-1,3-Dichloropropylene	NA	NA	0.0023	U	0.0021	U
Trichloroethylene (TCE)	0.47	21	0.0023	U	0.0021	U
Trichlorofluoromethane	NA	NA	0.0023	U	0.0021	U
Vinyl chloride (VC)	0.02	0.9	0.0023	U	0.0021	U
Xylenes, Total	0.26	100	0.0068	U	0.0064	U

Analyte Detected

Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Soils

NYSDEC Spill No. 9813188

WCD File: BB17076.40



All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in Bold		Sample ID	B-01 0-2		B-01 5-7		B-02 0-2		B-02 12-14	
		Sample Date	(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)	
		Dilution Factor	2		2		2		2	
SVOCs, 8270	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1'-Biphenyl	NA	NA	0.0467	U	0.053	U	0.129	D	0.0504	U
1,2,4,5-Tetrachlorobenzene	NA	NA	0.0931	U	0.106	U	0.0947	U	0.101	U
1,2,4-Trichlorobenzene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
1,2-Dichlorobenzene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
1,3-Dichlorobenzene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
1,4-Dichlorobenzene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
2,3,4,6-Tetrachlorophenol	NA	NA	0.0931	U	0.106	U	0.0947	U	0.101	U
2,4,5-Trichlorophenol	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
2,4,6-Trichlorophenol	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
2,4-Dichlorophenol	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
2,4-Dimethylphenol	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
2,4-Dinitrophenol	NA	NA	0.0931	U	0.106	U	0.0947	U	0.101	U
2,4-Dinitrotoluene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
2,6-Dinitrotoluene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
2-Chloronaphthalene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
2-Chlorophenol	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
2-Methylnaphthalene	NA	NA	0.0467	U	0.053	U	0.443	D	0.0504	U
2-Methylphenol	0.33	100	0.0467	U	0.053	U	0.0475	U	0.0504	U
2-Nitroaniline	NA	NA	0.0931	U	0.106	U	0.0947	U	0.101	U
2-Nitrophenol	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
3- & 4-Methylphenols	0.33	100	0.0467	U	0.053	U	0.0475	U	0.0504	U
3,3'-Dichlorobenzidine	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
3-Nitroaniline	NA	NA	0.0931	U	0.106	U	0.0947	U	0.101	U
4,6-Dinitro-2-methylphenol	NA	NA	0.0931	U	0.106	U	0.0947	U	0.101	U
4-Bromophenyl phenyl ether	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
4-Chloro-3-methylphenol	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
4-Chloroaniline	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
4-Chlorophenyl phenyl ether	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
4-Nitroaniline	NA	NA	0.0931	U	0.106	U	0.0947	U	0.101	U
4-Nitrophenol	NA	NA	0.0931	U	0.106	U	0.0947	U	0.101	U
Acenaphthene	20	100	0.0467	U	0.053	U	0.566	D	0.0504	U
Acenaphthylene	100	100	0.0885	JD	0.053	U	1.18	D	0.0504	U
Acetophenone	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Aniline	NA	NA	0.186	U	0.212	U	0.19	U	0.201	U
Anthracene	100	100	0.0833	JD	0.053	U	1.64	D	0.0504	U
Atrazine	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Benzaldehyde	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Benzidine	NA	NA	0.186	U	0.212	U	0.19	U	0.201	U
Benzo(a)anthracene	1	1	0.327	D	0.053	U	3.8	D	0.0504	U
Benzo(a)pyrene	1	1	0.416	D	0.053	U	3.68	D	0.0504	U
Benzo(b)fluoranthene	1	1	0.375	D	0.053	U	3.49	D	0.0504	U
Benzo(g,h,i)perylene	100	100	0.252	D	0.053	U	2.97	D	0.0504	U
Benzo(k)fluoranthene	0.8	3.9	0.373	D	0.053	U	2.61	D	0.0504	U
Benzoic acid	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Benzyl alcohol	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Benzyl butyl phthalate	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Bis(2-chloroethoxy)methane	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Bis(2-chloroethyl)ether	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Bis(2-chloroisopropyl)ether	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Bis(2-ethylhexyl)phthalate	NA	NA	0.0467	U	0.053	U	0.192	JD	0.0504	U
Caprolactam	NA	NA	0.0931	U	0.106	U	0.0947	U	0.101	U
Carbazole	NA	NA	0.0467	U	0.053	U	0.699	D	0.0504	U
Chrysene	1	3.9	0.331	D	0.053	U	3.83	D	0.0504	U
Dibenzo(a,h)anthracene	0.33	0.33	0.101	D	0.053	U	1.14	D	0.0504	U
Dibenzofuran	7	59	0.0467	U	0.053	U	0.878	D	0.0504	U
Diethyl phthalate	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Dimethyl phthalate	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Di-n-butyl phthalate	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Di-n-octyl phthalate	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Fluoranthene	100	100	0.481	D	0.053	U	7.47	D	0.0504	U
Fluorene	30	100	0.0467	U	0.053	U	1.08	D	0.0504	U
Hexachlorobenzene	0.33	1.2	0.0467	U	0.053	U	0.0475	U	0.0504	U
Hexachlorobutadiene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Hexachlorocyclopentadiene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Hexachloroethane	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.205	D	0.053	U	2.61	D	0.0504	U
Isophorone	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Naphthalene	12	100	0.0467	U	0.053	U	0.849	D	0.0504	U
Nitrobenzene	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
N-Nitrosodimethylamine	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
N-nitroso-di-n-propylamine	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
N-Nitrosodiphenylamine	NA	NA	0.0467	U	0.053	U	0.0475	U	0.0504	U
Pentachlorophenol	0.8	6.7	0.0467	U	0.053	U	0.0475	U	0.0504	U
Phenanthrene	100	100	0.275	D	0.053	U	8.71	D	0.0504	U
Phenol	0.33	100	0.0467	U	0.053	U	0.0475	U	0.0504	U
Pyrene	100	100	0.567	D	0.053	U	8.97	D	0.0504	U

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Soils

NYSDEC Spill No. 9813188

WCD File: BB17076.40



All data in mg/Kg (ppm)			Sample ID		B-03 0-2		B-03 4-6		B-04 0-2		B-04 4-6	
U= Not Detected ≥ indicated value			Sample Date		(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)	
Data above SCOs shown in Bold			Dilution Factor		2		2		2		2	
SVOCs, 8270	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1'-Biphenyl	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
1,2,4,5-Tetrachlorobenzene	NA	NA	0.0961	U	0.0962	U	0.0946	U	0.0937	U		
1,2,4-Trichlorobenzene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
1,2-Dichlorobenzene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
1,3-Dichlorobenzene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
1,4-Dichlorobenzene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2,3,4,6-Tetrachlorophenol	NA	NA	0.0961	U	0.0962	U	0.0946	U	0.0937	U		
2,4,5-Trichlorophenol	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2,4,6-Trichlorophenol	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2,4-Dichlorophenol	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2,4-Dimethylphenol	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2,4-Dinitrophenol	NA	NA	0.0961	U	0.0962	U	0.0946	U	0.0937	U		
2,4-Dinitrotoluene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2,6-Dinitrotoluene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2-Chloronaphthalene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2-Chlorophenol	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2-Methylnaphthalene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2-Methylphenol	0.33	100	0.0482	U	0.0482	U	0.0474	U	0.047	U		
2-Nitroaniline	NA	NA	0.0961	U	0.0962	U	0.0946	U	0.0937	U		
2-Nitrophenol	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
3- & 4-Methylphenols	0.33	100	0.0482	U	0.0482	U	0.0474	U	0.047	U		
3,3'-Dichlorobenzidine	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
3-Nitroaniline	NA	NA	0.0961	U	0.0962	U	0.0946	U	0.0937	U		
4,6-Dinitro-2-methylphenol	NA	NA	0.0961	U	0.0962	U	0.0946	U	0.0937	U		
4-Bromophenyl phenyl ether	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
4-Chloro-3-methylphenol	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
4-Chloroaniline	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
4-Chlorophenyl phenyl ether	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
4-Nitroaniline	NA	NA	0.0961	U	0.0962	U	0.0946	U	0.0937	U		
4-Nitrophenol	NA	NA	0.0961	U	0.0962	U	0.0946	U	0.0937	U		
Acenaphthene	20	100	0.0482	U	0.0482	U	0.0658	JD	0.487	D		
Acenaphthylene	100	100	0.0482	U	0.0482	U	0.0741	JD	0.0682	JD		
Acetophenone	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Aniline	NA	NA	0.192	U	0.193	U	0.189	U	0.188	U		
Anthracene	100	100	0.0515	JD	0.0482	U	0.162	D	0.152	D		
Atrazine	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Benzaldehyde	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Benzdine	NA	NA	0.192	U	0.193	U	0.189	U	0.188	U		
Benzo(a)anthracene	1	1	0.308	D	0.0482	U	0.559	D	0.286	D		
Benzo(a)pyrene	1	1	0.268	D	0.0482	U	0.68	D	0.261	D		
Benzo(b)fluoranthene	1	1	0.252	D	0.0482	U	0.559	D	0.252	D		
Benzo(g,h,i)perylene	100	100	0.169	D	0.0482	U	0.361	D	0.174	D		
Benzo(k)fluoranthene	0.8	3.9	0.245	D	0.0482	U	0.488	D	0.222	D		
Benzoic acid	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Benzyl alcohol	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Benzyl butyl phthalate	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.0479	JD		
Bis(2-chloroethoxy)methane	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Bis(2-chloroethyl)ether	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Bis(2-chloroisopropyl)ether	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Bis(2-ethylhexyl)phthalate	NA	NA	0.0753	JD	0.0482	U	0.0922	JD	0.473	D		
Caprolactam	NA	NA	0.0961	U	0.0962	U	0.0946	U	0.0937	U		
Carbazole	NA	NA	0.0482	U	0.0482	U	0.0597	JD	0.047	U		
Chrysene	1	3.9	0.32	D	0.0482	U	0.583	D	0.288	D		
Dibenzo(a,h)anthracene	0.33	0.33	0.0638	JD	0.0482	U	0.14	D	0.0592	JD		
Dibenzofuran	7	59	0.0482	U	0.0482	U	0.0474	U	0.223	D		
Diethyl phthalate	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Dimethyl phthalate	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Di-n-butyl phthalate	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.829	D		
Di-n-octyl phthalate	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Fluoranthene	100	100	0.518	D	0.0482	U	0.968	D	0.656	D		
Fluorene	30	100	0.0482	U	0.0482	U	0.0794	JD	0.366	D		
Hexachlorobenzene	0.33	1.2	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Hexachlorobutadiene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Hexachlorocyclopentadiene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Hexachloroethane	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.164	D	0.0482	U	0.327	D	0.14	D		
Isophorone	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Naphthalene	12	100	0.0482	U	0.0482	U	0.0474	U	0.0712	JD		
Nitrobenzene	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
N-Nitrosodimethylamine	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
N-nitroso-di-n-propylamine	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
N-Nitrosodiphenylamine	NA	NA	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Pentachlorophenol	0.8	6.7	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Phenanthrene	100	100	0.171	D	0.0482	U	0.729	D	0.433	D		
Phenol	0.33	100	0.0482	U	0.0482	U	0.0474	U	0.047	U		
Pyrene	100	100	0.539	D	0.0482	U	1.03	D	0.648	D		

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: SVOCs in Soils

NYSDEC Spill No. 9813188

WCD File: BB17076.40



All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in Bold			Sample ID		B-05 0-2		B-05 4-6	
			Sample Date		(2018-02-16)		(2018-02-16)	
			Dilution Factor		2		2	
SVOCs, 8270	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1'-Biphenyl	NA	NA	0.0468	U	0.0479	U		
1,2,4,5-Tetrachlorobenzene	NA	NA	0.0934	U	0.0956	U		
1,2,4-Trichlorobenzene	NA	NA	0.0468	U	0.0479	U		
1,2-Dichlorobenzene	NA	NA	0.0468	U	0.0479	U		
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0468	U	0.0479	U		
1,3-Dichlorobenzene	NA	NA	0.0468	U	0.0479	U		
1,4-Dichlorobenzene	NA	NA	0.0468	U	0.0479	U		
2,3,4,6-Tetrachlorophenol	NA	NA	0.0934	U	0.0956	U		
2,4,5-Trichlorophenol	NA	NA	0.0468	U	0.0479	U		
2,4,6-Trichlorophenol	NA	NA	0.0468	U	0.0479	U		
2,4-Dichlorophenol	NA	NA	0.0468	U	0.0479	U		
2,4-Dimethylphenol	NA	NA	0.0468	U	0.0479	U		
2,4-Dinitrophenol	NA	NA	0.0934	U	0.0956	U		
2,4-Dinitrotoluene	NA	NA	0.0468	U	0.0479	U		
2,6-Dinitrotoluene	NA	NA	0.0468	U	0.0479	U		
2-Chloronaphthalene	NA	NA	0.0468	U	0.0479	U		
2-Chlorophenol	NA	NA	0.0468	U	0.0479	U		
2-Methylnaphthalene	NA	NA	0.0468	U	0.0479	U		
2-Methylphenol	0.33	100	0.0468	U	0.0479	U		
2-Nitroaniline	NA	NA	0.0934	U	0.0956	U		
2-Nitrophenol	NA	NA	0.0468	U	0.0479	U		
3- & 4-Methylphenols	0.33	100	0.0468	U	0.0479	U		
3,3'-Dichlorobenzidine	NA	NA	0.0468	U	0.0479	U		
3-Nitroaniline	NA	NA	0.0934	U	0.0956	U		
4,6-Dinitro-2-methylphenol	NA	NA	0.0934	U	0.0956	U		
4-Bromophenyl phenyl ether	NA	NA	0.0468	U	0.0479	U		
4-Chloro-3-methylphenol	NA	NA	0.0468	U	0.0479	U		
4-Chloroaniline	NA	NA	0.0468	U	0.0479	U		
4-Chlorophenyl phenyl ether	NA	NA	0.0468	U	0.0479	U		
4-Nitroaniline	NA	NA	0.0934	U	0.0956	U		
4-Nitrophenol	NA	NA	0.0934	U	0.0956	U		
Acenaphthene	20	100	0.0468	U	0.0479	U		
Acenaphthylene	100	100	0.0575	JD	0.0479	U		
Acetophenone	NA	NA	0.0468	U	0.0479	U		
Aniline	NA	NA	0.187	U	0.191	U		
Anthracene	100	100	0.0508	JD	0.0479	U		
Atrazine	NA	NA	0.0468	U	0.0479	U		
Benzaldehyde	NA	NA	0.0468	U	0.0479	U		
Benzidine	NA	NA	0.187	U	0.191	U		
Benzo(a)anthracene	1	1	0.219	D	0.0479	U		
Benzo(a)pyrene	1	1	0.213	D	0.0479	U		
Benzo(b)fluoranthene	1	1	0.186	D	0.0479	U		
Benzo(g,h,i)perylene	100	100	0.173	D	0.0479	U		
Benzo(k)fluoranthene	0.8	3.9	0.181	D	0.0479	U		
Benzoic acid	NA	NA	0.0468	U	0.0479	U		
Benzyl alcohol	NA	NA	0.0468	U	0.0479	U		
Benzyl butyl phthalate	NA	NA	0.0468	U	0.0479	U		
Bis(2-chloroethoxy)methane	NA	NA	0.0468	U	0.0479	U		
Bis(2-chloroethyl)ether	NA	NA	0.0468	U	0.0479	U		
Bis(2-chloroisopropyl)ether	NA	NA	0.0468	U	0.0479	U		
Bis(2-ethylhexyl)phthalate	NA	NA	0.0597	JD	0.0479	U		
Caprolactam	NA	NA	0.0934	U	0.0956	U		
Carbazole	NA	NA	0.0468	U	0.0479	U		
Chrysene	1	3.9	0.218	D	0.0479	U		
Dibenzo(a,h)anthracene	0.33	0.33	0.0468	U	0.0479	U		
Dibenzofuran	7	59	0.0468	U	0.0479	U		
Diethyl phthalate	NA	NA	0.0468	U	0.0479	U		
Dimethyl phthalate	NA	NA	0.0468	U	0.0479	U		
Di-n-butyl phthalate	NA	NA	0.0468	U	0.0479	U		
Di-n-octyl phthalate	NA	NA	0.0468	U	0.0479	U		
Fluoranthene	100	100	0.367	D	0.0479	U		
Fluorene	30	100	0.0468	U	0.0479	U		
Hexachlorobenzene	0.33	1.2	0.0468	U	0.0479	U		
Hexachlorobutadiene	NA	NA	0.0468	U	0.0479	U		
Hexachlorocyclopentadiene	NA	NA	0.0468	U	0.0479	U		
Hexachloroethane	NA	NA	0.0468	U	0.0479	U		
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.16	D	0.0479	U		
Isophorone	NA	NA	0.0468	U	0.0479	U		
Naphthalene	12	100	0.0468	U	0.0479	U		
Nitrobenzene	NA	NA	0.0468	U	0.0479	U		
N-Nitrosodimethylamine	NA	NA	0.0468	U	0.0479	U		
N-nitroso-di-n-propylamine	NA	NA	0.0468	U	0.0479	U		
N-Nitrosodiphenylamine	NA	NA	0.0468	U	0.0479	U		
Pentachlorophenol	0.8	6.7	0.0468	U	0.0479	U		
Phenanthrene	100	100	0.204	D	0.0479	U		
Phenol	0.33	100	0.0468	U	0.0479	U		
Pyrene	100	100	0.379	D	0.0479	U		

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3: TAL Metals in Soils

NYSDEC Spill No.9813188

WCD File: BB17076.40



All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in Bold			Sample ID		B-01 0-2		B-01 5-7		B-02 0-2		B-02 12-14	
			Sample Date		(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)	
			Dilution Factor		1		1		1		1	
Metals, 6010 and 7473	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aluminum	NA	NA	7,610		15,900		8,210		5,450			
Antimony	NA	NA	0.558	U	0.634	U	0.568	U	0.605	U		
Arsenic	13	16	5.14		1.78		6.02		1.21	U		
Barium	350	400	208		74.8		379		47			
Beryllium	7.2	72	0.112	U	0.127	U	0.114	U	0.215			
Cadmium	2.5	4.3	0.692		0.419		0.356		0.363	U		
Calcium	NA	NA	46,600		5,230		25,900		1,510			
Chromium	30	180	17.2		33.6		20.2		14.9			
Cobalt	NA	NA	6.58		21.7		7.18		10.1			
Copper	50	270	24.6		28.4		20.2		15.5			
Iron	NA	NA	11,700		23,900		14,300		13,200			
Lead	63	400	501		7.62		302		6.64			
Magnesium	NA	NA	7,980		17,200		5,400		5,240			
Manganese	1,600	2,000	278		361		410		742			
Mercury	0.18	0.81	0.293		0.038	U	0.161		0.0363	U		
Nickel	30	310	22		30.5		12.6		12.9			
Potassium	NA	NA	1,340		5,000		1,070		924			
Selenium	3.9	180	1.77		1.27	U	1.14	U	1.21	U		
Silver	2	180	0.558	U	0.634	U	0.568	U	0.605	U		
Sodium	NA	NA	576		437		835		163			
Thallium	NA	NA	1.12	U	1.27	U	1.14	U	1.21	U		
Vanadium	NA	NA	28.2		42.3		22		16.4			
Zinc	109	10,000	222	B	124	B	279	B	42.1	B		

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3: TAL Metals in Soils

NYSDEC Spill No.9813188

WCD File: BB17076.40



All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in Bold			Sample ID		B-03 0-2		B-03 4-6		B-04 0-2		B-04 4-6	
			Sample Date		(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)	
			Dilution Factor		1		1		1		1	
Metals, 6010 and 7473	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aluminum	NA	NA	11,000		18,000		10,600		10,900			
Antimony	NA	NA	0.576	U	0.577	U	0.569	U	0.562	U		
Arsenic	13	16	3.85		2.26		4.58		6.12			
Barium	350	400	250		83.7		330		909			
Beryllium	7.2	72	0.115	U	0.115	U	0.114	U	0.112	U		
Cadmium	2.5	4.3	0.346	U	0.436		0.431		0.812			
Calcium	NA	NA	15,700		3,770		24,900		30,700			
Chromium	30	180	25.3		36.2		24.4		24.6			
Cobalt	NA	NA	11		20.6		9.37		8.46			
Copper	50	270	26.8		31.3		23		31.7			
Iron	NA	NA	20,700		27,400		16,800		13,700			
Lead	63	400	153		16		203		534			
Magnesium	NA	NA	7,630		10,800		9,060		7,870			
Manganese	1,600	2,000	721		945		434		433			
Mercury	0.18	0.81	0.157		0.0346	U	0.173		0.164			
Nickel	30	310	21.1		29.1		18.2		16.6			
Potassium	NA	NA	1,390		1,510		1,360		1,180			
Selenium	3.9	180	1.15	U	1.15	U	1.14	U	1.12	U		
Silver	2	180	0.576	U	0.577	U	0.569	U	0.562	U		
Sodium	NA	NA	253		296		246		917			
Thallium	NA	NA	1.15	U	1.15	U	1.14	U	1.12	U		
Vanadium	NA	NA	40.3		49		31.3		26			
Zinc	109	10,000	203	B	106	B	215	B	555	B		

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3: TAL Metals in Soils

NYSDEC Spill No.9813188

WCD File: BB17076.40



All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in Bold			Sample ID		B-05 0-2		B-05 4-6	
			Sample Date		(2018-02-16)		(2018-02-16)	
			Dilution Factor		1		1	
Metals, 6010 and 7473	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aluminum	NA	NA	9,070		21,300			
Antimony	NA	NA	0.562	U	0.573	U		
Arsenic	13	16	4.95		2			
Barium	350	400	275		64.6			
Beryllium	7.2	72	0.112	U	0.115	U		
Cadmium	2.5	4.3	0.576		0.77			
Calcium	NA	NA	22,800		1,220			
Chromium	30	180	22.5		43.5			
Cobalt	NA	NA	10.8		25.6			
Copper	50	270	26.7		41.3			
Iron	NA	NA	18,100		33,100			
Lead	63	400	176		8.99			
Magnesium	NA	NA	8,850		13,000			
Manganese	1,600	2,000	591		1,060			
Mercury	0.18	0.81	0.183		0.0344	U		
Nickel	30	310	17.7		38.4			
Potassium	NA	NA	1,570		2,050			
Selenium	3.9	180	1.12	U	1.15	U		
Silver	2	180	0.562	U	0.573	U		
Sodium	NA	NA	225		159			
Thallium	NA	NA	1.12	U	1.15	U		
Vanadium	NA	NA	31.9		57.5			
Zinc	109	10,000	195	B	100	B		

Analyte Detected

Analyte Above UUSCO

Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: Pesticides and PCBs in Soils

NYSDEC Spill No. 9813188

WCD File: BB17076.40



All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in Bold			Sample ID		B-01 0-2		B-01 5-7		B-02 0-2		B-02 12-14		B-03 0-2	
			Sample Date		(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)	
			Dilution Factor		5		5		5		5		5	
Pesticides, 8081	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
4,4'-DDD	0.0033	13	0.00373	D	0.00209	U	0.0196	D	0.002	U	0.0237	D		
4,4'-DDE	0.0033	8.9	0.0239	D	0.00209	U	0.0116	DP	0.002	U	0.00354	DP		
4,4'-DDT	0.0033	7.9	0.0206	D	0.00499	D	0.0296	D	0.002	U	0.00297	D		
Aldrin	0.005	0.097	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
alpha-BHC	0.02	0.48	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
alpha-Chlordane	0.094	4.2	0.00435	D	0.00209	U	0.0272	D	0.002	U	0.0019	U		
beta-BHC	0.036	0.36	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
Chlordane (total)	NA	NA	0.0368	U	0.0418	U	0.123	D	0.0399	U	0.038	U		
delta-BHC	0.04	100	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
Dieldrin	0.005	0.2	0.0028	DP	0.00209	U	0.0166	D	0.002	U	0.00217	DP		
Endosulfan I	2.4	24	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
Endosulfan II	2.4	24	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
Endosulfan sulfate	2.4	24	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
Endrin	0.014	11	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
Endrin aldehyde	NA	NA	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
Endrin ketone	NA	NA	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
gamma-BHC (Lindane)	0.1	1.3	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
gamma-Chlordane	NA	NA	0.00506	DP	0.00209	U	0.0232	DP	0.002	U	0.0019	U		
Heptachlor	0.042	2.1	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
Heptachlor Epoxide	NA	NA	0.00184	U	0.00209	U	0.00187	U	0.002	U	0.0019	U		
Methoxychlor	NA	NA	0.00921	U	0.0105	U	0.00933	U	0.00998	U	0.00951	U		
Toxaphene	NA	NA	0.0932	U	0.106	U	0.0945	U	0.101	U	0.0962	U		

			Sample ID		B-01 0-2		B-01 5-7		B-02 0-2		B-02 12-14		B-03 0-2	
			Sample Date		(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)	
			Dilution Factor		1		1		1		1		1	
PCBs, 8082	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1016	0.1	1.00	0.0186	U	0.0211	U	0.0189	U	0.0202	U	0.0192	U		
Aroclor 1221	0.1	1.00	0.0186	U	0.0211	U	0.0189	U	0.0202	U	0.0192	U		
Aroclor 1232	0.1	1.00	0.0186	U	0.0211	U	0.0189	U	0.0202	U	0.0192	U		
Aroclor 1242	0.1	1.00	0.0186	U	0.0211	U	0.0189	U	0.0202	U	0.0192	U		
Aroclor 1248	0.1	1.00	0.0186	U	0.0211	U	0.0189	U	0.0202	U	0.0192	U		
Aroclor 1254	0.1	1.00	0.0186	U	0.0211	U	0.0189	U	0.0202	U	0.0192	U		
Aroclor 1260	0.1	1.00	0.0186	U	0.0211	U	0.0189	U	0.0202	U	0.0192	U		
Aroclor, Total	0.1	1.00	0.0186	U	0.0211	U	0.0189	U	0.0202	U	0.0192	U		

Analyte Detected

Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: Pesticides and PCBs in Soils

NYSDEC Spill No. 9813188

WCD File: BB17076.40



All data in mg/Kg (ppm) U= Not Detected ≥ indicated value Data above SCOs shown in Bold			Sample ID		B-03 4-6		B-04 0-2		B-04 4-6		B-05 0-2		B-05 4-6	
			Sample Date		(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)		(2018-02-16)	
			Dilution Factor		5		5		5		5		5	
Pesticides, 8081	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
4,4'-DDD	0.0033	13	0.00189	U	0.0522	D	0.104	D	0.0168	D	0.00188	U	0.00188	U
4,4'-DDE	0.0033	8.9	0.00189	U	0.0082	DP	0.0203	D	0.00366	D	0.00188	U	0.00188	U
4,4'-DDT	0.0033	7.9	0.00189	U	0.00188	U	0.0109	D	0.00185	U	0.00188	U	0.00188	U
Aldrin	0.005	0.097	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
alpha-BHC	0.02	0.48	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
alpha-Chlordane	0.094	4.2	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
beta-BHC	0.036	0.36	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Chlordane (total)	NA	NA	0.0378	U	0.0375	U	0.0371	U	0.0371	U	0.0377	U	0.0377	U
delta-BHC	0.04	100	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Dieldrin	0.005	0.2	0.00189	U	0.00585	DP	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Endosulfan I	2.4	24	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Endosulfan II	2.4	24	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Endosulfan sulfate	2.4	24	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Endrin	0.014	11	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Endrin aldehyde	NA	NA	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Endrin ketone	NA	NA	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
gamma-BHC (Lindane)	0.1	1.3	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
gamma-Chlordane	NA	NA	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Heptachlor	0.042	2.1	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Heptachlor Epoxide	NA	NA	0.00189	U	0.00188	U	0.00185	U	0.00185	U	0.00188	U	0.00188	U
Methoxychlor	NA	NA	0.00946	U	0.00939	U	0.00927	U	0.00927	U	0.00942	U	0.00942	U
Toxaphene	NA	NA	0.0957	U	0.095	U	0.0938	U	0.0938	U	0.0954	U	0.0954	U

			Sample ID		B-03 4-6		B-04 0-2		B-04 4-6		B-05 0-2		B-05 4-6	
			Sample Date		(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)	
			Dilution Factor		1		1		1		1		1	
PCBs, 8082	UUSCO	RRUSCO	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1016	0.1	1.00	0.0191	U	0.019	U	0.0187	U	0.0187	U	0.019	U	0.019	U
Aroclor 1221	0.1	1.00	0.0191	U	0.019	U	0.0187	U	0.0187	U	0.019	U	0.019	U
Aroclor 1232	0.1	1.00	0.0191	U	0.019	U	0.0187	U	0.0187	U	0.019	U	0.019	U
Aroclor 1242	0.1	1.00	0.0191	U	0.019	U	0.0187	U	0.0187	U	0.019	U	0.019	U
Aroclor 1248	0.1	1.00	0.0191	U	0.019	U	0.0187	U	0.0187	U	0.019	U	0.019	U
Aroclor 1254	0.1	1.00	0.0191	U	0.019	U	0.0187	U	0.0187	U	0.019	U	0.019	U
Aroclor 1260	0.1	1.00	0.0191	U	0.0669	P	0.0187	U	0.0187	U	0.019	U	0.019	U
Aroclor, Total	0.1	1.00	0.0191	U	0.0669		0.0187	U	0.0187	U	0.019	U	0.019	U

Analyte Detected

Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5: VOCs in Groundwater

NYSDEC Spill No. 9813188

WCD File: BB17076.40



All data in µg/L (parts per billion, ppb) U = Not Detected (ND) above value Data above AWQS shown in Bold		Sample ID Sample Date Dilution Factor		MW-02 20180227 (2018-02-27)		MW-03 20180227 (2018-02-27)		MW-04 20180227 (2018-02-27)		MW-09 20180227 (2018-02-27)	
VOCs, 8260		AWQS		1		1		1		1	
				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-tetrachloroethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,1,1-trichloroethane (1,1,1-TCA)	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,1,2,2-tetrachloroethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,1,2-trichloro-1,2,2-trifluoroethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,1,2-trichloroethane	1	1		0.2	U	0.2	U	0.2	U	0.2	U
1,1-dichloroethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,1-dichloroethylene (1,1-DCE)	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-trichlorobenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-trichloropropane	0.04	0.04		0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-trichlorobenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-trimethylbenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,2-dibromo-3-chloropropane	0.04	0.04		0.2	U	0.2	U	0.2	U	0.2	U
1,2-dibromoethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,2-dichlorobenzene	3	3		0.2	U	0.2	U	0.2	U	0.2	U
1,2-dichloroethane	0.6	0.6		0.2	U	0.2	U	0.2	U	0.2	U
1,2-dichloropropane	1	1		0.2	U	0.2	U	0.2	U	0.2	U
1,3,5-trimethylbenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
1,3-dichlorobenzene	3	3		0.2	U	0.2	U	0.2	U	0.2	U
1,4-dichlorobenzene	3	3		0.2	U	0.2	U	0.2	U	0.2	U
1,4-dioxane	NA	NA		40	U	40	U	40	U	40	U
2-butanone (MEK)	50	50		0.2	U	0.2	U	0.2	U	0.2	U
2-hexanone	50	50		0.2	U	0.2	U	0.2	U	0.2	U
4-methyl-2-pentanone	NA	NA		0.2	U	0.2	U	0.2	U	0.2	U
acetone	50	50		1	U	1	U	1	U	1	U
acrolein	5	5		0.2	U	0.2	U	0.2	U	0.2	U
acrylonitrile	5	5		0.2	U	0.2	U	0.2	U	0.2	U
benzene	1	1		0.2	U	0.2	U	0.2	U	0.2	U
bromochloromethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
bromodichloromethane	50	50		0.2	U	0.2	U	0.2	U	0.2	U
bromoform	50	50		0.2	U	0.2	U	0.2	U	0.2	U
bromomethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
carbon disulfide	NA	NA		0.2	U	0.28	J	0.2	U	0.2	U
carbon tetrachloride	5	5		0.2	U	0.2	U	0.2	U	0.2	U
chlorobenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
chloroethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
chloroform	7	7		0.54	U	1	U	0.62	U	0.35	J
chloromethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
cis-1,2-dichloroethylene (cis-DCE)	5	5		0.2	U	0.42	J	0.2	U	0.2	U
cis-1,3-dichloropropylene	0.4	0.4		0.2	U	0.2	U	0.2	U	0.2	U
cyclohexane	NA	NA		0.2	U	0.2	U	0.2	U	0.2	U
dibromochloromethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
dibromomethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
dichlorodifluoromethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
ethyl benzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
hexachlorobutadiene	0.5	0.5		0.2	U	0.2	U	0.2	U	0.2	U
isopropylbenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
methyl acetate	NA	NA		0.2	U	0.2	U	0.2	U	0.2	U
methyl tert-butyl ether (MTBE)	10	10		0.4	J	0.2	U	0.2	U	0.2	U
methylcyclohexane	NA	NA		0.2	U	0.2	U	0.2	U	0.2	U
methylene chloride	5	5		1	U	1	U	1	U	1	U
n-butylbenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
n-propylbenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
o-xylene (included in total xylenes)	5	5		0.2	U	0.2	U	0.2	U	0.2	U
p- & m- xylenes (included in total xylenes)	5	5		0.5	U	0.5	U	0.5	U	0.5	U
p-isopropyltoluene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
sec-butylbenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
styrene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
tert-butyl alcohol (TBA)	NA	NA		0.5	U	3.2	J	0.5	U	0.5	U
tert-butylbenzene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
tetrachloroethylene (PCE)	5	5		2.1	U	3.6	U	2.4	U	0.2	U
toluene	5	5		0.2	U	0.2	U	0.2	U	0.2	U
trans-1,2-dichloroethylene (trans-DCE)	5	5		0.2	U	0.3	J	0.2	U	0.2	U
trans-1,3-dichloropropylene	0.4	0.4		0.2	U	0.2	U	0.2	U	0.2	U
trichloroethylene (TCE)	5	5		0.88	U	0.93	U	0.48	J	0.2	U
trichlorofluoromethane	5	5		0.2	U	0.2	U	0.2	U	0.2	U
vinyl chloride (VC)	2	2		0.2	U	0.2	U	0.2	U	0.2	U
xylenes, total	5	5		0.6	U	0.6	U	0.6	U	0.6	U
TOTAL VOCs				3.92		9.73		3.5		0.35	

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: SVOCs in Groundwater

NYSDEC Spill No. 9813188

WCD File: BB17076.40



All data in µg/L (parts per billion, ppb) U = Not Detected (ND) above value Data above AWQS shown in Bold		Sample ID Sample Date Dilution Factor		MW-02 20180227 (2018-02-27)		MW-03 20180227 (2018-02-27)		MW-04 20180227 (2018-02-27)		MW-09 20180227 (2018-02-27)	
		1		1		1		1		1	
SVOCs, 8270	AWQS	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1'-biphenyl	5	2.86	U	2.7	U	2.5	U	2.56	U		
1,2,4,5-tetrachlorobenzene	5	2.86	U	2.7	U	2.5	U	2.56	U		
1,2,4-trichlorobenzene	5	2.86	U	2.7	U	2.5	U	2.56	U		
1,2-dichlorobenzene	3	2.86	U	2.7	U	2.5	U	2.56	U		
1,2-diphenylhydrazine (azobenzene)	ND	2.86	U	2.7	U	2.5	U	2.56	U		
1,3-dichlorobenzene	3	2.86	U	2.7	U	2.5	U	2.56	U		
1,4-dichlorobenzene	3	2.86	U	2.7	U	2.5	U	2.56	U		
2,3,4,6-tetrachlorophenol	NA	2.86	U	2.7	U	2.5	U	2.56	U		
2,4,5-trichlorophenol	NA	2.86	U	2.7	U	2.5	U	2.56	U		
2,4,6-trichlorophenol	NA	2.86	U	2.7	U	2.5	U	2.56	U		
2,4-dichlorophenol	5	2.86	U	2.7	U	2.5	U	2.56	U		
2,4-dimethylphenol	50	2.86	U	2.7	U	2.5	U	2.56	U		
2,4-dinitrophenol	10	2.86	U	2.7	U	2.5	U	2.56	U		
2,4-dinitrotoluene	5	2.86	U	2.7	U	2.5	U	2.56	U		
2,6-dinitrotoluene	5	2.86	U	2.7	U	2.5	U	2.56	U		
2-chloronaphthalene	10	2.86	U	2.7	U	2.5	U	2.56	U		
2-chlorophenol	NA	2.86	U	2.7	U	2.5	U	2.56	U		
2-methylnaphthalene	NA	2.86	U	2.7	U	2.5	U	2.56	U		
2-methylphenol	NA	2.86	U	2.7	U	2.5	U	2.56	U		
2-nitroaniline	5	2.86	U	2.7	U	2.5	U	2.56	U		
2-nitrophenol	NA	2.86	U	2.7	U	2.5	U	2.56	U		
3- & 4-methylphenols	NA	2.86	U	2.7	U	2.5	U	2.56	U		
3,3'-dichlorobenzidine	5	2.86	U	2.7	U	2.5	U	2.56	U		
3-nitroaniline	5	2.86	U	2.7	U	2.5	U	2.56	U		
4,6-dinitro-2-methylphenol	NA	2.86	U	2.7	U	2.5	U	2.56	U		
4-bromophenyl phenyl ether	NA	2.86	U	2.7	U	2.5	U	2.56	U		
4-chloro-3-methylphenol	NA	2.86	U	2.7	U	2.5	U	2.56	U		
4-chloroaniline	5	2.86	U	2.7	U	2.5	U	2.56	U		
4-chlorophenyl phenyl ether	NA	2.86	U	2.7	U	2.5	U	2.56	U		
4-nitroaniline	5	2.86	U	2.7	U	2.5	U	2.56	U		
4-nitrophenol	5	2.86	U	2.7	U	2.5	U	2.56	U		
acenaphthene	20	0.0571	U	0.0541	U	0.05	U	0.0513	U		
acenaphthylene	NA	0.0571	U	0.0541	U	0.05	U	0.0513	U		
acetophenone	NA	2.86	U	2.7	U	2.5	U	2.56	U		
aniline	5	2.86	U	2.7	U	2.5	U	2.56	U		
anthracene	50	0.0571	U	0.0541	U	0.05	U	0.0513	U		
atrazine	7.5	0.571	U	0.541	U	0.5	U	0.513	U		
benzaldehyde	NA	2.86	U	2.7	U	2.5	U	2.56	U		
benzidine	5	11.4	U	10.8	U	10	U	10.3	U		
benzo(a)anthracene	0.002	0.0571	U	0.0541	U	0.05	U	0.0513	U		
benzo(a)pyrene	ND	0.0571	U	0.0541	U	0.05	U	0.0513	U		
benzo(b)fluoranthene	0.002	0.0571	U	0.0541	U	0.05	U	0.0513	U		
benzo(g,h,i)perylene	NA	0.0571	U	0.0541	U	0.05	U	0.0513	U		
benzo(k)fluoranthene	0.002	0.0571	U	0.0541	U	0.05	U	0.0513	U		
benzoic acid	NA	28.6	U	27	U	25	U	25.6	U		
benzyl alcohol	NA	2.86	U	2.7	U	2.5	U	2.56	U		
benzyl butyl phthalate	50	2.86	U	2.7	U	2.5	U	2.56	U		
bis(2-chloroethoxy)methane	5	2.86	U	2.7	U	2.5	U	2.56	U		
bis(2-chloroethyl)ether	1	2.86	U	2.7	U	2.5	U	2.56	U		
bis(2-chloroisopropyl)ether	NA	2.86	U	2.7	U	2.5	U	2.56	U		
bis(2-ethylhexyl)phthalate	5	0.571		0.541	U	1.21		0.8			
caprolactam	NA	2.86	U	2.7	U	2.5	U	2.56	U		
carbazole	NA	2.86	U	2.7	U	2.5	U	2.56	U		
chrysene	0.002	0.0571	U	0.0541	U	0.05	U	0.0513	U		
dibenzo(a,h)anthracene	NA	0.0571	U	0.0541	U	0.05	U	0.0513	U		
dibenzofuran	NA	2.86	U	2.7	U	2.5	U	2.56	U		
diethyl phthalate	50	2.86	U	2.7	U	2.5	U	2.56	U		
dimethyl phthalate	50	2.86	U	2.7	U	2.5	U	2.56	U		
di-n-butyl phthalate	50	2.86	U	2.7	U	2.5	U	2.56	U		
di-n-octyl phthalate	50	2.86	U	2.7	U	2.5	U	2.56	U		
fluoranthene	50	0.0571	U	0.0541	U	0.05	U	0.0513	U		
fluorene	50	0.0571	U	0.0541	U	0.05	U	0.0513	U		
hexachlorobenzene	0.04	0.0229	U	0.0216	U	0.02	U	0.0205	U		
hexachlorobutadiene	0.5	0.571	U	0.541	U	0.5	U	0.513	U		
hexachlorocyclopentadiene	5	2.86	U	2.7	U	2.5	U	2.56	U		
hexachloroethane	5	0.571	U	0.541	U	0.5	U	0.513	U		
indeno(1,2,3-cd)pyrene	0.002	0.0571	U	0.0541	U	0.05	U	0.0513	U		
isophorone	50	2.86	U	2.7	U	2.5	U	2.56	U		
naphthalene	10	0.0686		0.108		0.05	U	0.0513	U		
nitrobenzene	0.4	0.286	U	0.27	U	0.25	U	0.256	U		
n-nitrosodimethylamine	50	0.571	U	0.541	U	0.5	U	0.513	U		
n-nitroso-di-n-propylamine	NA	2.86	U	2.7	U	2.5	U	2.56	U		
n-nitrosodiphenylamine	50	2.86	U	2.7	U	2.5	U	2.56	U		
pentachlorophenol	1	0.537		0.27	U	0.25	U	0.256	U		
phenanthrene	50	0.0571	U	0.0541	U	0.05	U	0.0513	U		
phenol	1	2.86	U	2.7	U	2.5	U	2.56	U		
pyrene	50	0.126		0.0865		0.05	U	0.0513	U		
TOTAL SVOCs		1.3026		0.1945		1.21		0.8			

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
 Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: Pesticides and PCBs in Groundwater

NYSDEC Spill No. 9813188

WCD File: BB17076.40



All data in µg/L (parts per billion, ppb) U = Not Detected (ND) above value Data above AWQS shown in Bold		Sample ID		MW-02 20180227		MW-03 20180227		MW-04 20180227		MW-09 20180227	
		Sample Date		(2018-02-27)		(2018-02-27)		(2018-02-27)		(2018-02-27)	
		Dilution Factor		1		1		1		1	
Pesticides, 8081	AWQS	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>
4,4'-DDD	0.3	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
4,4'-DDE	0.2	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
4,4'-DDT	0.2	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
aldrin	NE	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
alpha-BHC	0.01	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
alpha-chlordane	0.05	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
beta-BHC	0.04	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
chlordane, total	0.05	0.0222	U	0.0229	U	0.0205	U	0.0205	U	0.0205	U
delta-BHC	0.04	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
dieldrin	0.004	0.00222	U	0.00229	U	0.00205	U	0.00205	U	0.00205	U
endosulfan I	NA	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
endosulfan II	NA	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
endosulfan sulfate	NA	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
endrin	NA	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
endrin aldehyde	5	0.0111	U	0.0114	U	0.0103	U	0.0103	U	0.0103	U
endrin ketone	5	0.0111	U	0.0114	U	0.0103	U	0.0103	U	0.0103	U
gamma-BHC (lindane)	0.05	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
gamma-chlordane	0.05	0.0111	U	0.0114	U	0.0103	U	0.0103	U	0.0103	U
heptachlor	0.04	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
heptachlor epoxide	0.03	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
methoxychlor	35	0.00444	U	0.00457	U	0.0041	U	0.0041	U	0.0041	U
toxaphene	0.06	0.111	U	0.114	U	0.103	U	0.103	U	0.103	U
		Sample ID		MW-02 20180227		MW-03 20180227		MW-04 20180227		MW-09 20180227	
		Sample Date		(2018-02-27)		(2018-02-27)		(2018-02-27)		(2018-02-27)	
		Dilution Factor		1		1		1		1	
PCBs, 8082	AWQS	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>	<i>Result</i>	<i>Qualifier</i>
Aroclor 1016	0.09	0.0556	U	0.0571	U	0.0513	U	0.0513	U	0.0513	U
Aroclor 1221	0.09	0.0556	U	0.0571	U	0.0513	U	0.0513	U	0.0513	U
Aroclor 1232	0.09	0.0556	U	0.0571	U	0.0513	U	0.0513	U	0.0513	U
Aroclor 1242	0.09	0.0556	U	0.0571	U	0.0513	U	0.0513	U	0.0513	U
Aroclor 1248	0.09	0.0556	U	0.0571	U	0.0513	U	0.0513	U	0.0513	U
Aroclor 1254	0.09	0.0556	U	0.0571	U	0.0513	U	0.0513	U	0.0513	U
Aroclor 1260	0.09	0.0556	U	0.0571	U	0.0513	U	0.0513	U	0.0513	U
Aroclor, Total	0.09	0.0556	U	0.0571	U	0.0513	U	0.0513	U	0.0513	U

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 8: TAL Metals (Total) in Groundwater

NYSDEC Spill No. 9813188

WCD File: BB17076.40



All data in µg/L (parts per billion, ppb) U = Not Detected (ND) above value Data above AWQS shown in Bold		Sample ID		MW-02 20180227		MW-03 20180227		MW-04 20180227		MW-09 20180227	
		Sample Date		(2018-02-27)		(2018-02-27)		(2018-02-27)		(2018-02-27)	
		Dilution Factor		1		1		1		10	
Metals, 6010 and 7473	AWQS	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
aluminum	NA	78		50	U	50	U	50	U	50	U
antimony	3	5	U	7		5	U	5	U	5	U
arsenic	25	4	U	4	U	4	U	4	U	5	
barium	1,000	138		164		97		371			
beryllium	3	1	U	1	U	1	U	1	U	1	U
cadmium	5	3	U	3	U	3	U	3	U	3	U
calcium	NA	154,000		159,000		121,000		206,000			
chromium	50	5	U	5	U	5	U	5	U	5	U
cobalt	5	5	U	6		5	U	5	U	5	U
copper	200	10		10		8		10			
iron**	300	151	B	120	B	232	B	138	B		
lead	25	5		5	U	5	U	5	U	5	U
magnesium	35,000	64,100		66,500		52,000		79,200			
manganese**	300	703		1,180		243		1,390			
mercury	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
nickel	100	5	U	5	U	5	U	5	U	5	U
potassium	NA	8,290		6,450		5,310		8,060			
selenium	10	88		87		77		107			
silver	50	5	U	5	U	5	U	5	U	5	U
sodium	20,000	168,000		233,000		185,000		443,000		D	
thallium	0.5	5	U	5	U	5	U	5	U	5	U
vanadium	14	10	U	10	U	10	U	10	U	10	U
zinc	2,000	15	U	15	U	15	U	15	U	15	U

** combined iron and manganese = 500

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 9: TAL Metals (Dissolved) in Groundwater

NYSDEC Spill No. 9813188

WCD File:BB17076.40



All data in µg/L (parts per billion, ppb) U = Not Detected (ND) above value Data above AWQS shown in Bold		Sample ID		MW-02 20180227		MW-03 20180227		MW-04 20180227		MW-09 20180227	
		Sample Date		(2018-02-27)		(2018-02-27)		(2018-02-27)		(2018-02-27)	
		Dilution Factor		1		1		1		10	
Metals, 6010 and 7473	AWQS	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
aluminum	NA	64		50	U	87		50	U		
antimony	3	8		6		5	U	5	U		
arsenic	25	4	U	4	U	4	U	4	U		
barium	1,000	139		164		95		371			
beryllium	3	1	U	1	U	1	U	1	U		
cadmium	5	3	U	3	U	3	U	3	U		
calcium	NA	155,000		162,000		119,000		212,000			
chromium	50	5	U	5	U	5	U	5	U		
cobalt	5	5	U	5		5	U	5	U		
copper	200	10		10		7		11			
iron**	300	163		151		104		58			
lead	25	5	U	5	U	5	U	5	U		
magnesium	35,000	64,400		67,800		50,600		79,100			
manganese**	300	707		1,160		240		1,410			
mercury	0.7	0.2	U	0.2	U	0.2	U	0.2	U		
nickel	100	5	U	5	U	5	U	5	U		
potassium	NA	8,320	B	6,860	B	5,120	B	8,040	B		
selenium	10	92		88		75		103			
silver	50	5	U	5	U	5	U	5	U		
sodium	20,000	168,000	B	229,000	B	172,000	B	426,000	BD		
thallium	0.5	5	U	5	U	5	U	5	U		
vanadium	14	10	U	10	U	10	U	10	U		
zinc	2,000	22		24		15	U	15	U		

** combined iron and manganese = 500

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 10: VOCs in Soil Vapor

NYSDEC Spill No. 9813188

WCD File: BB17076.40



Sample ID Sample Date Dilution Factor	SV-01		SV-02		SV-03	
	(2018-02-16)		(2018-02-16)		(2018-02-16)	
	1.446		1.406		1.5	
VOCs, TO-15	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,2-Tetrachloroethane	0.96	U	0.96	U	1.03	U
1,1,1-Trichloroethane	0.76	U	0.76	U	0.82	U
1,1,2,2-Tetrachloroethane	0.96	U	0.96	U	1.03	U
1,1,2-Trichloro-1,2,2-trifluoroethane	1.07	U	1.07	U	1.15	U
1,1,2-Trichloroethane	0.76	U	0.76	U	0.82	U
1,1-Dichloroethane	0.57	U	0.57	U	0.61	U
1,1-Dichloroethene	0.55	U	0.55	U	0.59	U
1,2,4-Trichlorobenzene	1.04	U	1.04	U	1.11	U
1,2,4-Trimethylbenzene	1.92	D	7.86	D	3.14	D
1,2-Dibromoethane	1.08	U	1.08	U	1.15	U
1,2-Dichlorobenzene	0.84	U	0.84	U	0.90	U
1,2-Dichloroethane	0.57	U	0.57	U	0.61	U
1,2-Dichloropropane	0.65	U	0.65	U	0.69	U
1,2-Dichlorotetrafluoroethane	0.98	U	0.98	U	1.05	U
1,3,5-Trimethylbenzene	0.69	D	4.82	D	1.18	D
1,3-Butadiene	0.95	U	0.93	U	1.00	U
1,3-Dichlorobenzene	0.84	U	0.84	U	0.90	U
1,3-Dichloropropane	0.65	U	0.65	U	0.69	U
1,4-Dichlorobenzene	0.84	U	0.84	U	0.90	U
1,4-Dioxane	1.04	U	1.01	U	1.08	U
2-Butanone	6.78	D	11.79	D	6.19	D
2-Hexanone	1.19	U	1.15	U	1.23	U
3-Chloropropene	2.25	U	2.19	U	2.35	U
4-Methyl-2-pentanone	0.57	U	0.57	U	0.61	U
Acetone	19.95	D	17.10	D	13.77	D
Acrylonitrile	0.30	U	0.30	U	0.33	U
Benzene	2.62	D	0.86	D	2.62	D
Benzyl chloride	0.72	U	0.72	U	0.78	U
Bromodichloromethane	0.94	U	0.94	U	1.00	U
Bromoform	1.45	U	1.45	U	1.55	U
Bromomethane	0.54	U	0.54	U	0.58	U
Carbon disulfide	3.42	D	2.15	D	0.47	U
Carbon tetrachloride	0.23	U	0.22	U	0.24	U
Chlorobenzene	0.64	U	0.64	U	0.69	U
Chloroethane	0.37	U	0.37	U	0.40	U
Chloroform	1.42	D	0.68	D	0.73	D
Chloromethane	0.39	D	0.29	U	0.31	D
cis-1,2-Dichloroethene	0.55	U	0.55	U	0.59	U
cis-1,3-Dichloropropene	0.64	U	0.64	U	0.68	U
Cyclohexane	0.93	D	0.52	D	1.17	D
Dibromochloromethane	1.19	U	1.19	U	1.28	U
Dichlorodifluoromethane	3.41	D	2.97	D	18.29	D
Ethyl Acetate	1.04	U	1.01	U	1.40	D
Ethylbenzene	0.61	D	2.08	D	2.34	D
Hexachlorobutadiene	1.49	U	1.49	U	1.60	U
Isopropanol	6.63	D	1.52	D	6.88	D
Methyl Methacrylate	0.57	U	0.57	U	0.61	U
Methyl tert butyl ether	0.50	U	0.50	U	0.54	U
Methylene chloride	1.35	D	0.97	U	1.39	D
Naphthalene	7.34	U	7.34	U	10.48	D
n-Heptane	2.38	D	2.83	D	4.06	D
n-Hexane	5.28	D	1.94	D	7.75	D
o-Xylene	1.00	D	4.25	D	3.21	D
p/m-Xylene	2.34	D	8.68	D	8.68	D
p-Ethyltoluene	1.72	D	9.34	D	3.24	D
Propylene	7.74	D	2.24	D	4.13	D
Styrene	0.60	U	0.60	U	0.64	U
Tetrachloroethene	1.08	D	3.46	D	1.76	D
Tetrahydrofuran	0.85	U	4.13	D	0.88	U
Toluene	2.94	D	2.83	D	10.17	D
trans-1,2-Dichloroethene	0.55	U	0.55	U	0.59	U
trans-1,3-Dichloropropene	0.64	U	0.64	U	0.68	U
Trichloroethene	0.19	U	0.19	U	0.20	U
Trichlorofluoromethane	1.29	D	1.91	D	4.61	D
Vinyl acetate	0.49	U	0.49	U	0.53	U
Vinyl bromide	0.61	U	0.61	U	0.66	U
Vinyl chloride	0.36	U	0.36	U	0.38	U

Detected concentrations

Relatively elevated concentrations

Notes: NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

Table Page 1 of 1

APPENDIX D

Laboratory Reports



Technical Report

prepared for:

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 02/27/2018
Client Project ID: BB17076
York Project (SDG) No.: 18B0732

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/27/2018
Client Project ID: BB17076
York Project (SDG) No.: 18B0732

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

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 February 20, 2018 and listed below. The project was identified as your project: **BB17076**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18B0732-01	SV-01	Soil Vapor	02/16/2018	02/20/2018
18B0732-02	SV-02	Soil Vapor	02/16/2018	02/20/2018
18B0732-03	SV-03	Soil Vapor	02/16/2018	02/20/2018

General Notes for York Project (SDG) No.: 18B0732

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/27/2018





Sample Information

Client Sample ID: SV-01

York Sample ID: 18B0732-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0732

BB17076

Soil Vapor

February 16, 2018 3:00 pm

02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications:	02/23/2018 15:35	02/23/2018 18:02	LDS
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-34-3	1,1-Dichloroethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
95-63-6	1,2,4-Trimethylbenzene	0.39		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
106-93-4	1,2-Dibromoethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
107-06-2	1,2-Dichloroethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
78-87-5	1,2-Dichloropropane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
108-67-8	1,3,5-Trimethylbenzene	0.14		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
106-99-0	1,3-Butadiene	ND		ppbv	0.43	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications:	02/23/2018 15:35	02/23/2018 18:02	LDS
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
123-91-1	1,4-Dioxane	ND		ppbv	0.29	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
78-93-3	2-Butanone	2.3		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
591-78-6	* 2-Hexanone	ND		ppbv	0.29	1.446	EPA TO-15 Certifications:	02/23/2018 15:35	02/23/2018 18:02	LDS



Sample Information

Client Sample ID: SV-01

York Sample ID: 18B0732-01

York Project (SDG) No.
18B0732

Client Project ID
BB17076

Matrix
Soil Vapor

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ppbv	0.72	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
67-64-1	Acetone	8.4		ppbv	0.29	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
107-13-1	Acrylonitrile	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
71-43-2	Benzene	0.82		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
100-44-7	Benzyl chloride	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-27-4	Bromodichloromethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-25-2	Bromoform	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
74-83-9	Bromomethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-15-0	Carbon disulfide	1.1		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
56-23-5	Carbon tetrachloride	ND		ppbv	0.036	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
108-90-7	Chlorobenzene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-00-3	Chloroethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
67-66-3	Chloroform	0.29		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
74-87-3	Chloromethane	0.19		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
110-82-7	Cyclohexane	0.27		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
124-48-1	Dibromochloromethane	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-71-8	Dichlorodifluoromethane	0.69		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
141-78-6	* Ethyl acetate	ND		ppbv	0.29	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
100-41-4	Ethyl Benzene	0.14		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
87-68-3	Hexachlorobutadiene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS



Sample Information

Client Sample ID: SV-01

York Sample ID: 18B0732-01

York Project (SDG) No.

18B0732

Client Project ID

BB17076

Matrix

Soil Vapor

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	2.7		ppbv	0.29	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
80-62-6	Methyl Methacrylate	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-09-2	Methylene chloride	0.39		ppbv	0.29	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
91-20-3	* Naphthalene	ND		ppbv	1.4	1.446	EPA TO-15 Certifications: NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
142-82-5	n-Heptane	0.58		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
110-54-3	n-Hexane	1.5		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
95-47-6	o-Xylene	0.23		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
179601-23-1	p- & m- Xylenes	0.54		ppbv	0.29	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
622-96-8	* p-Ethyltoluene	0.35		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
115-07-1	* Propylene	4.5		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
100-42-5	Styrene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
127-18-4	Tetrachloroethylene	0.16		ppbv	0.036	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
109-99-9	* Tetrahydrofuran	ND		ppbv	0.29	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
108-88-3	Toluene	0.78		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
79-01-6	Trichloroethylene	ND		ppbv	0.036	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	0.23		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
108-05-4	Vinyl acetate	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
593-60-2	Vinyl bromide	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
75-01-4	Vinyl Chloride	ND		ppbv	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:02	LDS
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: SV-01

York Sample ID: 18B0732-01

York Project (SDG) No.

18B0732

Client Project ID

BB17076

Matrix

Soil Vapor

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	101 %			70-130					

Sample Information

Client Sample ID: SV-02

York Sample ID: 18B0732-02

York Project (SDG) No.

18B0732

Client Project ID

BB17076

Matrix

Soil Vapor

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications:	02/23/2018 15:35	02/23/2018 18:57	LDS
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-34-3	1,1-Dichloroethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
95-63-6	1,2,4-Trimethylbenzene	1.6		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
106-93-4	1,2-Dibromoethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
107-06-2	1,2-Dichloroethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
78-87-5	1,2-Dichloropropane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
108-67-8	1,3,5-Trimethylbenzene	0.98		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
106-99-0	1,3-Butadiene	ND		ppbv	0.42	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS



Sample Information

Client Sample ID: SV-02

York Sample ID: 18B0732-02

York Project (SDG) No.
18B0732

Client Project ID
BB17076

Matrix
Soil Vapor

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
123-91-1	1,4-Dioxane	ND		ppbv	0.28	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
78-93-3	2-Butanone	4.0		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
591-78-6	* 2-Hexanone	ND		ppbv	0.28	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
107-05-1	3-Chloropropene	ND		ppbv	0.70	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
67-64-1	Acetone	7.2		ppbv	0.28	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
107-13-1	Acrylonitrile	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
71-43-2	Benzene	0.27		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
100-44-7	Benzyl chloride	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-27-4	Bromodichloromethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-25-2	Bromoform	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
74-83-9	Bromomethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-15-0	Carbon disulfide	0.69		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
56-23-5	Carbon tetrachloride	ND		ppbv	0.035	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
108-90-7	Chlorobenzene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-00-3	Chloroethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
67-66-3	Chloroform	0.14		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
74-87-3	Chloromethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS



Sample Information

Client Sample ID: SV-02

York Sample ID: 18B0732-02

York Project (SDG) No.
18B0732

Client Project ID
BB17076

Matrix
Soil Vapor

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	0.15		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
124-48-1	Dibromochloromethane	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-71-8	Dichlorodifluoromethane	0.60		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
141-78-6	* Ethyl acetate	ND		ppbv	0.28	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
100-41-4	Ethyl Benzene	0.48		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
87-68-3	Hexachlorobutadiene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
67-63-0	Isopropanol	0.62		ppbv	0.28	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
80-62-6	Methyl Methacrylate	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-09-2	Methylene chloride	ND		ppbv	0.28	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
91-20-3	* Naphthalene	ND		ppbv	1.4	1.406	EPA TO-15 Certifications: NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
142-82-5	n-Heptane	0.69		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
110-54-3	n-Hexane	0.55		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
95-47-6	o-Xylene	0.98		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
179601-23-1	p- & m- Xylenes	2.0		ppbv	0.28	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
622-96-8	* p-Ethyltoluene	1.9		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
115-07-1	* Propylene	1.3		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
100-42-5	Styrene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
127-18-4	Tetrachloroethylene	0.51		ppbv	0.035	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
109-99-9	* Tetrahydrofuran	1.4		ppbv	0.28	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
108-88-3	Toluene	0.75		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS



Sample Information

Client Sample ID: SV-02

York Sample ID: 18B0732-02

York Project (SDG) No.

18B0732

Client Project ID

BB17076

Matrix

Soil Vapor

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
79-01-6	Trichloroethylene	ND		ppbv	0.035	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	0.34		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
108-05-4	Vinyl acetate	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
593-60-2	Vinyl bromide	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
75-01-4	Vinyl Chloride	ND		ppbv	0.14	1.406	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 18:57	LDS
Surrogate Recoveries		Result		Acceptance Range						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	106 %								

Sample Information

Client Sample ID: SV-03

York Sample ID: 18B0732-03

York Project (SDG) No.

18B0732

Client Project ID

BB17076

Matrix

Soil Vapor

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-34-3	1,1-Dichloroethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
95-63-6	1,2,4-Trimethylbenzene	0.64		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS



Sample Information

Client Sample ID: SV-03

York Sample ID: 18B0732-03

York Project (SDG) No.
18B0732

Client Project ID
BB17076

Matrix
Soil Vapor

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
107-06-2	1,2-Dichloroethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
78-87-5	1,2-Dichloropropane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
108-67-8	1,3,5-Trimethylbenzene	0.24		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
106-99-0	1,3-Butadiene	ND		ppbv	0.45	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications:	02/23/2018 15:35	02/23/2018 19:51	LDS
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
123-91-1	1,4-Dioxane	ND		ppbv	0.30	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
78-93-3	2-Butanone	2.1		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
591-78-6	* 2-Hexanone	ND		ppbv	0.30	1.5	EPA TO-15 Certifications:	02/23/2018 15:35	02/23/2018 19:51	LDS
107-05-1	3-Chloropropene	ND		ppbv	0.75	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
67-64-1	Acetone	5.8		ppbv	0.30	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
107-13-1	Acrylonitrile	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
71-43-2	Benzene	0.82		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
100-44-7	Benzyl chloride	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-27-4	Bromodichloromethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-25-2	Bromoform	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
74-83-9	Bromomethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-15-0	Carbon disulfide	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS



Sample Information

Client Sample ID: SV-03

York Sample ID: 18B0732-03

York Project (SDG) No.

18B0732

Client Project ID

BB17076

Matrix

Soil Vapor

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ppbv	0.038	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
108-90-7	Chlorobenzene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-00-3	Chloroethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
67-66-3	Chloroform	0.15		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
74-87-3	Chloromethane	0.15		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
110-82-7	Cyclohexane	0.34		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
124-48-1	Dibromochloromethane	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-71-8	Dichlorodifluoromethane	3.7		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
141-78-6	* Ethyl acetate	0.39		ppbv	0.30	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
100-41-4	Ethyl Benzene	0.54		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
87-68-3	Hexachlorobutadiene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
67-63-0	Isopropanol	2.8		ppbv	0.30	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
80-62-6	Methyl Methacrylate	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-09-2	Methylene chloride	0.40		ppbv	0.30	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
91-20-3	* Naphthalene	2.0		ppbv	1.5	1.5	EPA TO-15 Certifications: NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
142-82-5	n-Heptane	0.99		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
110-54-3	n-Hexane	2.2		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
95-47-6	o-Xylene	0.74		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
179601-23-1	p- & m- Xylenes	2.0		ppbv	0.30	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS



Sample Information

Client Sample ID: SV-03

York Sample ID: 18B0732-03

York Project (SDG) No.
18B0732

Client Project ID
BB17076

Matrix
Soil Vapor

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
622-96-8	* p-Ethyltoluene	0.66		ppbv	0.15	1.5	EPA TO-15 Certifications:	02/23/2018 15:35	02/23/2018 19:51	LDS
115-07-1	* Propylene	2.4		ppbv	0.15	1.5	EPA TO-15 Certifications:	02/23/2018 15:35	02/23/2018 19:51	LDS
100-42-5	Styrene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
127-18-4	Tetrachloroethylene	0.26		ppbv	0.038	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
109-99-9	* Tetrahydrofuran	ND		ppbv	0.30	1.5	EPA TO-15 Certifications:	02/23/2018 15:35	02/23/2018 19:51	LDS
108-88-3	Toluene	2.7		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
79-01-6	Trichloroethylene	ND		ppbv	0.038	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	0.82		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
108-05-4	Vinyl acetate	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
593-60-2	Vinyl bromide	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
75-01-4	Vinyl Chloride	ND		ppbv	0.15	1.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/23/2018 15:35	02/23/2018 19:51	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	99.8 %	70-130							



Analytical Batch Summary

Batch ID: BB81087

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18B0732-01	SV-01	02/23/18
18B0732-02	SV-02	02/23/18
18B0732-03	SV-03	02/23/18
BB81087-BLK1	Blank	02/23/18
BB81087-BS1	LCS	02/23/18



Volatile Organic Compounds in Air 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 BB81087 - EPA TO15 PREP

Blank (BB81087-BLK1)

Prepared & Analyzed: 02/23/2018

1,1,1,2-Tetrachloroethane	ND	0.10	ppbv
1,1,1-Trichloroethane	ND	0.10	"
1,1,2,2-Tetrachloroethane	ND	0.10	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10	"
1,1,2-Trichloroethane	ND	0.10	"
1,1-Dichloroethane	ND	0.10	"
1,1-Dichloroethylene	ND	0.10	"
1,2,4-Trichlorobenzene	ND	0.10	"
1,2,4-Trimethylbenzene	ND	0.10	"
1,2-Dibromoethane	ND	0.10	"
1,2-Dichlorobenzene	ND	0.10	"
1,2-Dichloroethane	ND	0.10	"
1,2-Dichloropropane	ND	0.10	"
1,2-Dichlorotetrafluoroethane	ND	0.10	"
1,3,5-Trimethylbenzene	ND	0.10	"
1,3-Butadiene	ND	0.30	"
1,3-Dichlorobenzene	ND	0.10	"
1,3-Dichloropropane	ND	0.10	"
1,4-Dichlorobenzene	ND	0.10	"
1,4-Dioxane	ND	0.20	"
2-Butanone	ND	0.10	"
2-Hexanone	ND	0.20	"
3-Chloropropene	ND	0.50	"
4-Methyl-2-pentanone	ND	0.10	"
Acetone	ND	0.20	"
Acrylonitrile	ND	0.10	"
Benzene	ND	0.10	"
Benzyl chloride	ND	0.10	"
Bromodichloromethane	ND	0.10	"
Bromoform	ND	0.10	"
Bromomethane	ND	0.10	"
Carbon disulfide	ND	0.10	"
Carbon tetrachloride	ND	0.025	"
Chlorobenzene	ND	0.10	"
Chloroethane	ND	0.10	"
Chloroform	ND	0.10	"
Chloromethane	ND	0.10	"
cis-1,2-Dichloroethylene	ND	0.10	"
cis-1,3-Dichloropropylene	ND	0.10	"
Cyclohexane	ND	0.10	"
Dibromochloromethane	ND	0.10	"
Dichlorodifluoromethane	ND	0.10	"
Ethyl acetate	ND	0.20	"
Ethyl Benzene	ND	0.10	"
Hexachlorobutadiene	ND	0.10	"
Isopropanol	ND	0.20	"
Methyl Methacrylate	ND	0.10	"
Methyl tert-butyl ether (MTBE)	ND	0.10	"
Methylene chloride	ND	0.20	"
Naphthalene	ND	1.0	"



Volatile Organic Compounds in Air 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 BB81087 - EPA TO15 PREP

Blank (BB81087-BLK1)

Prepared & Analyzed: 02/23/2018

n-Heptane	ND	0.10	ppbv								
n-Hexane	ND	0.10	"								
o-Xylene	ND	0.10	"								
p- & m- Xylenes	ND	0.20	"								
p-Ethyltoluene	ND	0.10	"								
Propylene	ND	0.10	"								
Styrene	ND	0.10	"								
Tetrachloroethylene	ND	0.025	"								
Tetrahydrofuran	ND	0.20	"								
Toluene	ND	0.10	"								
trans-1,2-Dichloroethylene	ND	0.10	"								
trans-1,3-Dichloropropylene	ND	0.10	"								
Trichloroethylene	ND	0.025	"								
Trichlorofluoromethane (Freon 11)	ND	0.10	"								
Vinyl acetate	ND	0.10	"								
Vinyl bromide	ND	0.10	"								
Vinyl Chloride	ND	0.10	"								
Surrogate: p-Bromofluorobenzene	8.86		"	10.0		88.6	70-130				

LCS (BB81087-BS1)

Prepared & Analyzed: 02/23/2018

1,1,1,2-Tetrachloroethane	8.74		ppbv	10.0		87.4	70-130				
1,1,1-Trichloroethane	9.98		"	10.0		99.8	70-130				
1,1,2,2-Tetrachloroethane	8.10		"	10.0		81.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	70-130				
1,1,2-Trichloroethane	7.23		"	10.0		72.3	70-130				
1,1-Dichloroethane	9.16		"	10.0		91.6	70-130				
1,1-Dichloroethylene	9.90		"	10.0		99.0	70-130				
1,2,4-Trichlorobenzene	6.47		"	10.0		64.7	70-130	Low Bias			
1,2,4-Trimethylbenzene	8.81		"	10.0		88.1	70-130				
1,2-Dibromoethane	7.77		"	10.0		77.7	70-130				
1,2-Dichlorobenzene	8.25		"	10.0		82.5	70-130				
1,2-Dichloroethane	9.08		"	10.0		90.8	70-130				
1,2-Dichloropropane	7.14		"	10.0		71.4	70-130				
1,2-Dichlorotetrafluoroethane	8.54		"	10.0		85.4	70-130				
1,3,5-Trimethylbenzene	8.48		"	10.0		84.8	70-130				
1,3-Butadiene	7.52		"	10.0		75.2	70-130				
1,3-Dichlorobenzene	8.17		"	10.0		81.7	70-130				
1,3-Dichloropropane	7.69		"	10.0		76.9	70-130				
1,4-Dichlorobenzene	8.19		"	10.0		81.9	70-130				
1,4-Dioxane	7.61		"	10.0		76.1	70-130				
2-Butanone	7.07		"	10.0		70.7	70-130				
2-Hexanone	8.01		"	10.0		80.1	70-130				
3-Chloropropene	8.33		"	10.0		83.3	70-130				
4-Methyl-2-pentanone	6.80		"	10.0		68.0	70-130	Low Bias			
Acetone	8.20		"	10.0		82.0	70-130				
Acrylonitrile	8.25		"	10.0		82.5	70-130				
Benzene	8.21		"	10.0		82.1	70-130				
Benzyl chloride	7.84		"	10.0		78.4	70-130				
Bromodichloromethane	8.21		"	10.0		82.1	70-130				
Bromoform	8.95		"	10.0		89.5	70-130				
Bromomethane	12.2		"	10.0		122	70-130				



Volatile Organic Compounds in Air 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 BB81087 - EPA TO15 PREP

LCS (BB81087-BS1)

Prepared & Analyzed: 02/23/2018

Carbon disulfide	9.96		ppbv	10.0		99.6	70-130				
Carbon tetrachloride	9.96		"	10.0		99.6	70-130				
Chlorobenzene	8.08		"	10.0		80.8	70-130				
Chloroethane	12.6		"	10.0		126	70-130				
Chloroform	9.46		"	10.0		94.6	70-130				
Chloromethane	11.1		"	10.0		111	70-130				
cis-1,2-Dichloroethylene	7.63		"	10.0		76.3	70-130				
cis-1,3-Dichloropropylene	8.25		"	10.0		82.5	70-130				
Cyclohexane	9.16		"	10.0		91.6	70-130				
Dibromochloromethane	8.41		"	10.0		84.1	70-130				
Dichlorodifluoromethane	11.8		"	10.0		118	70-130				
Ethyl acetate	7.11		"	10.0		71.1	70-130				
Ethyl Benzene	8.70		"	10.0		87.0	70-130				
Hexachlorobutadiene	8.46		"	10.0		84.6	70-130				
Isopropanol	7.94		"	10.0		79.4	70-130				
Methyl Methacrylate	7.48		"	10.0		74.8	70-130				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	70-130				
Methylene chloride	8.33		"	10.0		83.3	70-130				
Naphthalene	8.10		"	10.0		81.0	70-130				
n-Heptane	7.30		"	10.0		73.0	70-130				
n-Hexane	7.96		"	10.0		79.6	70-130				
o-Xylene	8.58		"	10.0		85.8	70-130				
p- & m- Xylenes	16.5		"	20.0		82.7	70-130				
p-Ethyltoluene	9.04		"	10.0		90.4	70-130				
Propylene	10.1		"	10.0		101	70-130				
Styrene	8.09		"	10.0		80.9	70-130				
Tetrachloroethylene	6.72		"	10.0		67.2	70-130	Low Bias			
Tetrahydrofuran	7.98		"	10.0		79.8	70-130				
Toluene	7.71		"	10.0		77.1	70-130				
trans-1,2-Dichloroethylene	9.34		"	10.0		93.4	70-130				
trans-1,3-Dichloropropylene	8.20		"	10.0		82.0	70-130				
Trichloroethylene	7.56		"	10.0		75.6	70-130				
Trichlorofluoromethane (Freon 11)	11.0		"	10.0		110	70-130				
Vinyl acetate	8.30		"	10.0		83.0	70-130				
Vinyl bromide	12.4		"	10.0		124	70-130				
Vinyl Chloride	7.29		"	10.0		72.9	70-130				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	70-130				





Sample and Data Qualifiers Relating to This Work Order

QL-03 This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK

ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record - AIR

Page 1 of 1

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 unless superseded by written contract.

York Project No. 18B0732

YOUR Information Company: <u>WCD Group</u> Address: <u>24 Davis Ave</u> Phone No.: <u>845-452-1658</u> Contact Person: <u>Richard Hooker</u> E-Mail Address:		Report To: Company: <u>Richard</u> Address: <u>Richard</u> Phone No.: <u>Richard</u> Attention: <u>Richard</u> E-Mail Address:		Invoice To: Company: <u>Brenda</u> Address: <u>Brenda</u> Phone No.: <u>Brenda</u> Attention: <u>Brenda</u> E-Mail Address:		YOUR Project ID <u>BB17076</u> Purchase Order No. <u>BB17076.40</u> Samples from: CT <u>NY</u> <u>X</u> NJ		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard (5-7 Days) ☐		Report Type/Deliverables Summary Report <u>X</u> Summary w/ QA Summary CT RCP Package NY ASP A Package NY ASP B/CLP Pkg NJDEP Reduced Electronic Deliverables: EDD (Specify Type) <u>X</u> Standard Excel Regulatory Comparison Excel	

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.

Tyler Goodnough
 Name (printed)
 Samples Collected/Authorized By (Signature)

TO15 Volatiles and Other Gas Analyses EPA TO-15 List Tentatively Identified Compounds NYSDEC VI list NYSDEC STARS List Project Specific List by TO-15 NJDEP Target List CTDEP RCP Target List		Air Matrix Codes AI - INDOOR Ambient Air AO - OUTDOOR Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - SOIL Vapor/Sub-Slab	

Detection Limits Required $\leq 1 \text{ ug/m}^3$ NYSDEC VII Limits <u>X</u> (VI - vapor only) NJDEP low level Routine Survey Other	

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-01	2/16/18	AS	-32	-5	TO-15	6 Liter Summa canister <u>X</u> Tedlar Bag
SV-02	↓	↓	-31	-3	↓	6 Liter Summa canister <u>X</u> Tedlar Bag
SV-03	↓	↓	-28	-4	↓	6 Liter Summa canister <u>X</u> Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag

Comments

Chitra Dene
 Samples Reminiscenced By Chitra Dene Date/Time 2/20/18 9:15am
 Samples Reminiscenced By Chitra Dene Date/Time 2/20/18 2:15

Chitra Dene
 Samples Received By Chitra Dene Date/Time 2/20/18 13:45
 Samples Received By Chitra Dene Date/Time 2/20/18 2:15



Technical Report

prepared for:

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 02/28/2018
Client Project ID: BB17076
York Project (SDG) No.: 18B0754

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/28/2018
Client Project ID: BB17076
York Project (SDG) No.: 18B0754

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

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 February 20, 2018 and listed below. The project was identified as your project: **BB17076**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18B0754-01	B-01 0-2	Soil	02/16/2018	02/20/2018
18B0754-02	B-01 5-7	Soil	02/16/2018	02/20/2018
18B0754-03	B-02 0-2	Soil	02/16/2018	02/20/2018
18B0754-04	B-02 12-14	Soil	02/16/2018	02/20/2018
18B0754-05	B-03 0-2	Soil	02/16/2018	02/20/2018
18B0754-06	B-03 4-6	Soil	02/16/2018	02/20/2018
18B0754-07	B-04 0-2	Soil	02/16/2018	02/20/2018
18B0754-08	B-04 4-6	Soil	02/16/2018	02/20/2018
18B0754-09	B-05 0-2	Soil	02/16/2018	02/20/2018
18B0754-10	B-05 4-6	Soil	02/16/2018	02/20/2018

General Notes for York Project (SDG) No.: 18B0754

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/28/2018





Sample Information

Client Sample ID: B-01 0-2

York Sample ID: 18B0754-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0754

BB17076

Soil

February 16, 2018 3:00 pm

02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/23/2018 22:13	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/23/2018 22:13	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	93	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS



Sample Information

Client Sample ID: B-01 0-2

York Sample ID: 18B0754-01

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
67-64-1	Acetone	12	SCAL- E, B	ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
107-02-8	Acrolein	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS



Sample Information

Client Sample ID: B-01 0-2

York Sample ID: 18B0754-01

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-09-2	Methylene chloride	7.9	J	ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 22:13	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/23/2018 22:13	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	118 %	77-125								



Sample Information

Client Sample ID: B-01 0-2

York Sample ID: 18B0754-01

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	99.2 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	90.9 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH



Sample Information

Client Sample ID: B-01 0-2

York Sample ID: 18B0754-01

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
83-32-9	Acenaphthene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
208-96-8	Acenaphthylene	88.5	J	ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
62-53-3	Aniline	ND		ug/kg dry	186	373	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
120-12-7	Anthracene	83.3	J	ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
92-87-5	Benzidine	ND		ug/kg dry	186	373	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
56-55-3	Benzo(a)anthracene	327		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
50-32-8	Benzo(a)pyrene	416		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
205-99-2	Benzo(b)fluoranthene	375		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH



Sample Information

Client Sample ID: B-01 0-2

York Sample ID: 18B0754-01

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	252		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
207-08-9	Benzo(k)fluoranthene	373		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.7	203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
105-60-2	Caprolactam	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
86-74-8	Carbazole	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
218-01-9	Chrysene	331		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
53-70-3	Dibenzo(a,h)anthracene	101		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
206-44-0	Fluoranthene	481		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
86-73-7	Fluorene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH



Sample Information

Client Sample ID: B-01 0-2

York Sample ID: 18B0754-01

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	205		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
78-59-1	Isophorone	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
91-20-3	Naphthalene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
85-01-8	Phenanthrene	275		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
108-95-2	Phenol	ND		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
129-00-0	Pyrene	567		ug/kg dry	46.7	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 20:37	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	61.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	62.5 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	66.1 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	58.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	79.9 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	51.9 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	3.73		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:28	SA
72-55-9	4,4'-DDE	23.9		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:28	SA
50-29-3	4,4'-DDT	20.6		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:28	SA
309-00-2	Aldrin	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:28	SA



Sample Information

Client Sample ID: B-01 0-2

York Sample ID: 18B0754-01

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:06	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:06	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:06	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:06	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:06	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:06	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:06	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 16:06	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	73.3 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	72.7 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7610		mg/kg dry	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:32	KML
7440-36-0	Antimony	ND		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:32	KML
7440-38-2	Arsenic	5.14		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:32	KML
7440-39-3	Barium	208		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:32	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:32	KML
7440-43-9	Cadmium	0.692		mg/kg dry	0.335	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:32	KML
7440-70-2	Calcium	46600		mg/kg dry	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:32	KML
7440-47-3	Chromium	17.2		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:32	KML
7440-48-4	Cobalt	6.58		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:32	KML



Sample Information

Client Sample ID: B-01 0-2

York Sample ID: 18B0754-01

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	24.6		mg/kg dry	2.23	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	11700		mg/kg dry	2.23	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	501		mg/kg dry	0.558	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	7980		mg/kg dry	5.58	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	278		mg/kg dry	0.558	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	22.0		mg/kg dry	0.558	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1340		mg/kg dry	5.58	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	1.77		mg/kg dry	1.12	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	576		mg/kg dry	11.2	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	28.2		mg/kg dry	1.12	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	222	B	mg/kg dry	2.79	1	EPA 6010C	02/21/2018 10:00	02/27/2018 01:32	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.293		mg/kg dry	0.0335	1	EPA 7473	02/21/2018 09:54	02/21/2018 13:04	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.6		%	0.100	1	SM 2540G	02/23/2018 13:58	02/23/2018 16:20	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 17:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 17:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	210	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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	7.5	SCAL- E, J	ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
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Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-09-2	Methylene chloride	9.4	J	ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:02	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.0	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 17:02	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.7 %	77-125								
2037-26-5	Surrogate: Toluene-d8	96.6 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130								



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	106	211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	106	211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	106	211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	106	211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	106	211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	106	211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	106	211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	106	211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
83-32-9	Acenaphthene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
98-86-2	Acetophenone	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
62-53-3	Aniline	ND		ug/kg dry	212	423	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
120-12-7	Anthracene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
1912-24-9	Atrazine	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
92-87-5	Benzidine	ND		ug/kg dry	212	423	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
65-85-0	Benzoic acid	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	53.0	231	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
105-60-2	Caprolactam	ND		ug/kg dry	106	211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
86-74-8	Carbazole	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
218-01-9	Chrysene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
206-44-0	Fluoranthene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
86-73-7	Fluorene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
78-59-1	Isophorone	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
91-20-3	Naphthalene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
85-01-8	Phenanthrene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
108-95-2	Phenol	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
129-00-0	Pyrene	ND		ug/kg dry	53.0	106	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:08	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	64.7 %		20-108							
4165-62-2	Surrogate: Phenol-d5	62.6 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	61.7 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	61.2 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.3 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	49.5 %		24-116							

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
50-29-3	4,4'-DDT	4.99		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
309-00-2	Aldrin	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 11:13	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
57-74-9	Chlordane, total	ND		ug/kg dry	41.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
60-57-1	Dieldrin	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH	02/22/2018 13:13	02/23/2018 11:13	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
72-20-8	Endrin	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 11:13	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.09	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
72-43-5	Methoxychlor	ND		ug/kg dry	10.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
8001-35-2	Toxaphene	ND		ug/kg dry	106	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 11:13	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	77.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	71.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:30	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:30	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:30	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:30	LAB



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:30	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:30	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:30	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 16:30	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.3 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	62.2 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15900		mg/kg dry	6.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-36-0	Antimony	ND		mg/kg dry	0.634	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-38-2	Arsenic	1.78		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-39-3	Barium	74.8		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.127	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-43-9	Cadmium	0.419		mg/kg dry	0.380	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-70-2	Calcium	5230		mg/kg dry	6.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-47-3	Chromium	33.6		mg/kg dry	0.634	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-48-4	Cobalt	21.7		mg/kg dry	0.634	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-50-8	Copper	28.4		mg/kg dry	2.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7439-89-6	Iron	23900		mg/kg dry	2.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7439-92-1	Lead	7.62		mg/kg dry	0.634	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7439-95-4	Magnesium	17200		mg/kg dry	6.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML



Sample Information

Client Sample ID: B-01 5-7

York Sample ID: 18B0754-02

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	361		mg/kg dry	0.634	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-02-0	Nickel	30.5		mg/kg dry	0.634	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-09-7	Potassium	5000		mg/kg dry	6.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7782-49-2	Selenium	ND		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-22-4	Silver	ND		mg/kg dry	0.634	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-23-5	Sodium	437		mg/kg dry	12.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-28-0	Thallium	ND		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-62-2	Vanadium	42.3		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML
7440-66-6	Zinc	124	B	mg/kg dry	3.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:41	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0380	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/21/2018 09:54	02/21/2018 13:12	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	78.9		%	0.100	1	SM 2540G Certifications: CTDOH	02/23/2018 13:58	02/23/2018 16:20	TAJ

Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018



Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/23/2018 23:07	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/23/2018 23:07	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	89	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
78-93-3	2-Butanone	3.9	J	ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS



Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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	27	SCAL- E, B	ug/kg dry	4.4	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS



Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:07	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.7	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/23/2018 23:07	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116 %	77-125								
2037-26-5	Surrogate: Toluene-d8	99.3 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	92.0 %	76-130								



Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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	129		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
91-57-6	2-Methylnaphthalene	443		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH



Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	94.7	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
83-32-9	Acenaphthene	566		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
208-96-8	Acenaphthylene	1180		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
98-86-2	Acetophenone	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
62-53-3	Aniline	ND		ug/kg dry	190	379	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
120-12-7	Anthracene	1640		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
1912-24-9	Atrazine	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
92-87-5	Benzidine	ND		ug/kg dry	190	379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
56-55-3	Benzo(a)anthracene	3800		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 10:33	KH
50-32-8	Benzo(a)pyrene	3680		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 10:33	KH
205-99-2	Benzo(b)fluoranthene	3490		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 10:33	KH
191-24-2	Benzo(g,h,i)perylene	2970		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
207-08-9	Benzo(k)fluoranthene	2610		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
65-85-0	Benzoic acid	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH



Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0754

BB17076

Soil

February 16, 2018 3:00 pm

02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
117-81-7	Bis(2-ethylhexyl)phthalate	192	J	ug/kg dry	47.5	207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
105-60-2	Caprolactam	ND		ug/kg dry	94.7	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
86-74-8	Carbazole	699		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
218-01-9	Chrysene	3830		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 10:33	KH
53-70-3	Dibenzo(a,h)anthracene	1140		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
132-64-9	Dibenzofuran	878		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
206-44-0	Fluoranthene	7470		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 10:33	KH
86-73-7	Fluorene	1080		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
193-39-5	Indeno(1,2,3-cd)pyrene	2610		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
78-59-1	Isophorone	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
91-20-3	Naphthalene	849		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH



Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
85-01-8	Phenanthrene	8710		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 10:33	KH
108-95-2	Phenol	ND		ug/kg dry	47.5	94.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 23:43	KH
129-00-0	Pyrene	8970		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 10:33	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	68.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	69.6 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	67.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	66.2 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	69.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	53.5 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	19.6		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
72-55-9	4,4'-DDE	11.6		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
50-29-3	4,4'-DDT	29.6		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
309-00-2	Aldrin	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
5103-71-9	alpha-Chlordane	27.2		ug/kg dry	1.87	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/26/2018 16:43	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA



Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.
18B0754

Client Project ID
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February 16, 2018 3:00 pm

Date Received
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	123		ug/kg dry	37.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
60-57-1	Dieldrin	16.6		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH	02/22/2018 13:13	02/26/2018 16:43	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
72-20-8	Endrin	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
5566-34-7	gamma-Chlordane	23.2		ug/kg dry	1.87	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/26/2018 16:43	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.33	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
8001-35-2	Toxaphene	ND		ug/kg dry	94.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:43	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	99.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	38.9 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:54	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:54	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:54	LAB



Sample Information

Client Sample ID: B-02 0-2

York Sample ID: 18B0754-03

York Project (SDG) No.

18B0754

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Date Received

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:54	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:54	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:54	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 16:54	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 16:54	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	67.8 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	80.9 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8210		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-36-0	Antimony	ND		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-38-2	Arsenic	6.02		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-39-3	Barium	379		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-43-9	Cadmium	0.356		mg/kg dry	0.341	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-70-2	Calcium	25900		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-47-3	Chromium	20.2		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-48-4	Cobalt	7.18		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-50-8	Copper	20.2		mg/kg dry	2.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7439-89-6	Iron	14300		mg/kg dry	2.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7439-92-1	Lead	302		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7439-95-4	Magnesium	5400		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML



Sample Information

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Date Received
02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	410		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-02-0	Nickel	12.6		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-09-7	Potassium	1070		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-22-4	Silver	ND		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-23-5	Sodium	835		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-62-2	Vanadium	22.0		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML
7440-66-6	Zinc	279	B	mg/kg dry	2.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:47	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.161		mg/kg dry	0.0341	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/21/2018 09:54	02/21/2018 13:20	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.1		%	0.100	1	SM 2540G Certifications: CTDOH	02/23/2018 13:58	02/23/2018 16:20	TAJ

Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018



Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/23/2018 23:33	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/23/2018 23:33	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	94	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS



Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
107-02-8	Acrolein	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS



Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/23/2018 23:33	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/23/2018 23:33	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	118 %	77-125								
2037-26-5	Surrogate: Toluene-d8	100 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	91.9 %	76-130								



Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	101	201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	101	201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	101	201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	101	201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH



Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	101	201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	101	201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	101	201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	101	201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
83-32-9	Acenaphthene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
98-86-2	Acetophenone	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
62-53-3	Aniline	ND		ug/kg dry	201	403	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
120-12-7	Anthracene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
1912-24-9	Atrazine	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
92-87-5	Benzidine	ND		ug/kg dry	201	403	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
65-85-0	Benzoic acid	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH



Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	50.4	220	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
105-60-2	Caprolactam	ND		ug/kg dry	101	201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
86-74-8	Carbazole	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
218-01-9	Chrysene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
206-44-0	Fluoranthene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
86-73-7	Fluorene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
78-59-1	Isophorone	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
91-20-3	Naphthalene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH



Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
85-01-8	Phenanthrene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
108-95-2	Phenol	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
129-00-0	Pyrene	ND		ug/kg dry	50.4	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/25/2018 21:39	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	63.4 %		20-108							
4165-62-2	Surrogate: Phenol-d5	62.4 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	67.3 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	62.8 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	86.3 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	64.0 %		24-116							

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
309-00-2	Aldrin	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 12:13	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
57-74-9	Chlordane, total	ND		ug/kg dry	39.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA



Sample Information

Client Sample ID: B-02 12-14

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
60-57-1	Dieldrin	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH	02/22/2018 13:13	02/23/2018 12:13	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
72-20-8	Endrin	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 12:13	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.00	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
8001-35-2	Toxaphene	ND		ug/kg dry	101	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:13	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	96.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	86.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:18	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:18	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:18	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:18	LAB



Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:18	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:18	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:18	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 17:18	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	79.2 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	75.1 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5450		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-36-0	Antimony	ND		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-39-3	Barium	47.0		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-41-7	Beryllium	0.215		mg/kg dry	0.121	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.363	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-70-2	Calcium	1510		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-47-3	Chromium	14.9		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-48-4	Cobalt	10.1		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-50-8	Copper	15.5		mg/kg dry	2.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7439-89-6	Iron	13200		mg/kg dry	2.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7439-92-1	Lead	6.64		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7439-95-4	Magnesium	5240		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7439-96-5	Manganese	742		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML



Sample Information

Client Sample ID: B-02 12-14

York Sample ID: 18B0754-04

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	12.9		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-09-7	Potassium	924		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7782-49-2	Selenium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-22-4	Silver	ND		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-23-5	Sodium	163		mg/kg dry	12.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-28-0	Thallium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-62-2	Vanadium	16.4		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML
7440-66-6	Zinc	42.1	B	mg/kg dry	3.03	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 01:57	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0363	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/21/2018 09:54	02/21/2018 13:29	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.6		%	0.100	1	SM 2540G Certifications: CTDOH	02/23/2018 13:58	02/23/2018 16:20	TAJ

Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0754

BB17076

Soil

February 16, 2018 3:00 pm

02/20/2018

Sample Prepared by Method: EPA 5035A

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/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/24/2018 00:00	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/24/2018 00:00	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
67-64-1	Acetone	7.9	SCAL- E, J, B	ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-09-2	Methylene chloride	8.3	J	ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 00:00	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/24/2018 00:00	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	124 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.2 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	91.1 %	76-130								



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
83-32-9	Acenaphthene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
98-86-2	Acetophenone	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
62-53-3	Aniline	ND		ug/kg dry	192	385	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
120-12-7	Anthracene	51.5	J	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
1912-24-9	Atrazine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
92-87-5	Benzidine	ND		ug/kg dry	192	385	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
56-55-3	Benzo(a)anthracene	308		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
50-32-8	Benzo(a)pyrene	268		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
205-99-2	Benzo(b)fluoranthene	252		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
191-24-2	Benzo(g,h,i)perylene	169		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
207-08-9	Benzo(k)fluoranthene	245		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
65-85-0	Benzoic acid	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
117-81-7	Bis(2-ethylhexyl)phthalate	75.3	J	ug/kg dry	48.2	210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
105-60-2	Caprolactam	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
86-74-8	Carbazole	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
218-01-9	Chrysene	320		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
53-70-3	Dibenzo(a,h)anthracene	63.8	CCV-E, J	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
206-44-0	Fluoranthene	518		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
86-73-7	Fluorene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
193-39-5	Indeno(1,2,3-cd)pyrene	164		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
78-59-1	Isophorone	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
91-20-3	Naphthalene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
85-01-8	Phenanthrene	171		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
108-95-2	Phenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
129-00-0	Pyrene	539		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 15:48	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	65.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	74.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	73.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	63.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	88.0 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	68.4 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	23.7		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
72-55-9	4,4'-DDE	3.54		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
50-29-3	4,4'-DDT	2.97		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
309-00-2	Aldrin	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 12:28	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
57-74-9	Chlordane, total	ND		ug/kg dry	38.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
60-57-1	Dieldrin	2.17		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH	02/22/2018 13:13	02/23/2018 12:28	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
72-20-8	Endrin	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 12:28	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.51	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
8001-35-2	Toxaphene	ND		ug/kg dry	96.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:28	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	128 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	108 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:42	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:42	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:42	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:42	LAB



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0754

BB17076

Soil

February 16, 2018 3:00 pm

02/20/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:42	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:42	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 17:42	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 17:42	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.7 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	77.5 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11000		mg/kg dry	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-36-0	Antimony	ND		mg/kg dry	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-38-2	Arsenic	3.85		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-39-3	Barium	250		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.115	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-70-2	Calcium	15700		mg/kg dry	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-47-3	Chromium	25.3		mg/kg dry	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-48-4	Cobalt	11.0		mg/kg dry	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-50-8	Copper	26.8		mg/kg dry	2.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7439-89-6	Iron	20700		mg/kg dry	2.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7439-92-1	Lead	153		mg/kg dry	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7439-95-4	Magnesium	7630		mg/kg dry	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7439-96-5	Manganese	721		mg/kg dry	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML



Sample Information

Client Sample ID: B-03 0-2

York Sample ID: 18B0754-05

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	21.1		mg/kg dry	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-09-7	Potassium	1390		mg/kg dry	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7782-49-2	Selenium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-22-4	Silver	ND		mg/kg dry	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-23-5	Sodium	253		mg/kg dry	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-28-0	Thallium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-62-2	Vanadium	40.3		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML
7440-66-6	Zinc	203	B	mg/kg dry	2.88	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:02	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.157		mg/kg dry	0.0346	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/21/2018 09:54	02/21/2018 13:37	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.8		%	0.100	1	SM 2540G Certifications: CTDOH	02/23/2018 13:58	02/23/2018 16:20	TAJ

Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0754

BB17076

Soil

February 16, 2018 3:00 pm

02/20/2018

Sample Prepared by Method: EPA 5035A

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/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 17:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 17:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	180	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
67-64-1	Acetone	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-09-2	Methylene chloride	7.3	J	ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	8.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 17:34	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 17:34	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.7 %	77-125								
2037-26-5	Surrogate: Toluene-d8	97.5 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	76-130								



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	96.2	192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	96.2	192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	96.2	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	96.2	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	96.2	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	96.2	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	96.2	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	96.2	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
83-32-9	Acenaphthene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
98-86-2	Acetophenone	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
62-53-3	Aniline	ND		ug/kg dry	193	385	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
120-12-7	Anthracene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
1912-24-9	Atrazine	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
92-87-5	Benzidine	ND		ug/kg dry	193	385	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
65-85-0	Benzoic acid	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.2	210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
105-60-2	Caprolactam	ND		ug/kg dry	96.2	192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
86-74-8	Carbazole	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
218-01-9	Chrysene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
206-44-0	Fluoranthene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
86-73-7	Fluorene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
78-59-1	Isophorone	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
91-20-3	Naphthalene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
85-01-8	Phenanthrene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
108-95-2	Phenol	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
129-00-0	Pyrene	ND		ug/kg dry	48.2	96.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:19	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	55.9 %			20-108						
4165-62-2	Surrogate: Phenol-d5	62.8 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	58.6 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	50.4 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	67.8 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	46.0 %			24-116						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
309-00-2	Aldrin	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 12:43	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.
18B0754

Client Project ID
BB17076

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February 16, 2018 3:00 pm

Date Received
02/20/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH	02/22/2018 13:13	02/23/2018 12:43	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
72-20-8	Endrin	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 12:43	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.46	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
8001-35-2	Toxaphene	ND		ug/kg dry	95.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:43	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	123 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	103 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:06	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:06	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:06	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:06	LAB



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

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February 16, 2018 3:00 pm

Date Received
02/20/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:06	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:06	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:06	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 18:06	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	85.6 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	81.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	18000		mg/kg dry	5.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-36-0	Antimony	ND		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-38-2	Arsenic	2.26		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-39-3	Barium	83.7		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.115	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-43-9	Cadmium	0.436		mg/kg dry	0.346	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-70-2	Calcium	3770		mg/kg dry	5.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-47-3	Chromium	36.2		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-48-4	Cobalt	20.6		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-50-8	Copper	31.3		mg/kg dry	2.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7439-89-6	Iron	27400		mg/kg dry	2.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7439-92-1	Lead	16.0		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7439-95-4	Magnesium	10800		mg/kg dry	5.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML



Sample Information

Client Sample ID: B-03 4-6

York Sample ID: 18B0754-06

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	945		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-02-0	Nickel	29.1		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-09-7	Potassium	1510		mg/kg dry	5.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7782-49-2	Selenium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-22-4	Silver	ND		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-23-5	Sodium	296		mg/kg dry	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-28-0	Thallium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-62-2	Vanadium	49.0		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML
7440-66-6	Zinc	106	B	mg/kg dry	2.88	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:12	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0346	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/21/2018 09:54	02/21/2018 13:46	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.7		%	0.100	1	SM 2540G Certifications: CTDOH	02/23/2018 13:58	02/23/2018 16:20	TAJ

Sample Information

Client Sample ID: B-04 0-2

York Sample ID: 18B0754-07

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018



Sample Information

Client Sample ID: B-04 0-2

York Sample ID: 18B0754-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0754

BB17076

Soil

February 16, 2018 3:00 pm

02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 18:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 18:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	42	170	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS



Sample Information

Client Sample ID: B-04 0-2

York Sample ID: 18B0754-07

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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	31	SCAL- E	ug/kg dry	4.2	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
107-02-8	Acrolein	ND		ug/kg dry	4.2	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
71-43-2	Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS



Sample Information

Client Sample ID: B-04 0-2

York Sample ID: 18B0754-07

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-09-2	Methylene chloride	5.7	J	ug/kg dry	4.2	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.2	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
100-42-5	Styrene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.1	8.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:06	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 18:06	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.9 %	77-125								
2037-26-5	Surrogate: Toluene-d8	96.6 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	76-130								



Sample Information

Client Sample ID: B-04 0-2

York Sample ID: 18B0754-07

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH



Sample Information

Client Sample ID: B-04 0-2

York Sample ID: 18B0754-07

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
83-32-9	Acenaphthene	65.8	J	ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
208-96-8	Acenaphthylene	74.1	J	ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
98-86-2	Acetophenone	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
62-53-3	Aniline	ND		ug/kg dry	189	379	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
120-12-7	Anthracene	162		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
1912-24-9	Atrazine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
92-87-5	Benzidine	ND		ug/kg dry	189	379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
56-55-3	Benzo(a)anthracene	559		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
50-32-8	Benzo(a)pyrene	680		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
205-99-2	Benzo(b)fluoranthene	559		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
191-24-2	Benzo(g,h,i)perylene	361		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
207-08-9	Benzo(k)fluoranthene	488		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
65-85-0	Benzoic acid	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH



Sample Information

Client Sample ID: B-04 0-2

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York Project (SDG) No.

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18B0754

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Soil

February 16, 2018 3:00 pm

02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
117-81-7	Bis(2-ethylhexyl)phthalate	92.2	J	ug/kg dry	47.4	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
105-60-2	Caprolactam	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
86-74-8	Carbazole	59.7	J	ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
218-01-9	Chrysene	583		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
53-70-3	Dibenzo(a,h)anthracene	140	CCV-E	ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
206-44-0	Fluoranthene	968		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
86-73-7	Fluorene	79.4	J	ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
193-39-5	Indeno(1,2,3-cd)pyrene	327		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
78-59-1	Isophorone	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
91-20-3	Naphthalene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH



Sample Information

Client Sample ID: B-04 0-2

York Sample ID: 18B0754-07

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
85-01-8	Phenanthrene	729		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
108-95-2	Phenol	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
129-00-0	Pyrene	1030		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 16:50	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	45.2 %	20-108								
4165-62-2	Surrogate: Phenol-d5	57.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	56.5 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	58.4 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	27.1 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	46.7 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	52.2		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
72-55-9	4,4'-DDE	8.20		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
309-00-2	Aldrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 12:58	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
60-57-1	Dieldrin	5.85		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH	02/22/2018 13:13	02/23/2018 12:58	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
72-20-8	Endrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 12:58	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.39	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
8001-35-2	Toxaphene	ND		ug/kg dry	95.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 12:58	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	111 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.1 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:30	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:30	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:30	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:30	LAB



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02/20/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:30	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:30	LAB
11096-82-5	Aroclor 1260	0.0669		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:30	LAB
1336-36-3	* Total PCBs	0.0669		mg/kg dry	0.0190	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 18:30	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	62.4 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	72.2 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10600		mg/kg dry	5.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-36-0	Antimony	ND		mg/kg dry	0.569	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-38-2	Arsenic	4.58		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-39-3	Barium	330		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-43-9	Cadmium	0.431		mg/kg dry	0.341	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-70-2	Calcium	24900		mg/kg dry	5.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-47-3	Chromium	24.4		mg/kg dry	0.569	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-48-4	Cobalt	9.37		mg/kg dry	0.569	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-50-8	Copper	23.0		mg/kg dry	2.28	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7439-89-6	Iron	16800		mg/kg dry	2.28	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7439-92-1	Lead	203		mg/kg dry	0.569	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7439-95-4	Magnesium	9060		mg/kg dry	5.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML



Sample Information

Client Sample ID: B-04 0-2

York Sample ID: 18B0754-07

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	434		mg/kg dry	0.569	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-02-0	Nickel	18.2		mg/kg dry	0.569	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-09-7	Potassium	1360		mg/kg dry	5.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-22-4	Silver	ND		mg/kg dry	0.569	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-23-5	Sodium	246		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-62-2	Vanadium	31.3		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML
7440-66-6	Zinc	215	B	mg/kg dry	2.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 02:22	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.173		mg/kg dry	0.0341	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/21/2018 09:54	02/21/2018 13:54	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.9		%	0.100	1	SM 2540G Certifications: CTDOH	02/23/2018 13:58	02/23/2018 16:20	TAJ

Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 18:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 18:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
78-93-3	2-Butanone	12		ug/kg dry	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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	53	SCAL- E	ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
107-02-8	Acrolein	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
71-43-2	Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-09-2	Methylene chloride	10		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
104-51-8	n-Butylbenzene	6.0		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
135-98-8	sec-Butylbenzene	8.7		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
100-42-5	Styrene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
108-88-3	Toluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/26/2018 07:30	02/26/2018 18:38	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/26/2018 07:30	02/26/2018 18:38	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.7 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.7 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	114 %	76-130								



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
83-32-9	Acenaphthene	487		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
208-96-8	Acenaphthylene	68.2	J	ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
98-86-2	Acetophenone	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
62-53-3	Aniline	ND		ug/kg dry	188	375	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
120-12-7	Anthracene	152		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
1912-24-9	Atrazine	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
92-87-5	Benzidine	ND		ug/kg dry	188	375	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
56-55-3	Benzo(a)anthracene	286		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
50-32-8	Benzo(a)pyrene	261		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
205-99-2	Benzo(b)fluoranthene	252		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
191-24-2	Benzo(g,h,i)perylene	174		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
207-08-9	Benzo(k)fluoranthene	222		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
65-85-0	Benzoic acid	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	47.9	J	ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
117-81-7	Bis(2-ethylhexyl)phthalate	473		ug/kg dry	47.0	204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
105-60-2	Caprolactam	ND		ug/kg dry	93.7	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
86-74-8	Carbazole	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
218-01-9	Chrysene	288		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
53-70-3	Dibenzo(a,h)anthracene	59.2	CCV-E, J	ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
132-64-9	Dibenzofuran	223		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
84-74-2	Di-n-butyl phthalate	829		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
206-44-0	Fluoranthene	656		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
86-73-7	Fluorene	366		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
193-39-5	Indeno(1,2,3-cd)pyrene	140		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
78-59-1	Isophorone	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
91-20-3	Naphthalene	71.2	J	ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
85-01-8	Phenanthrene	433		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
108-95-2	Phenol	ND		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
129-00-0	Pyrene	648		ug/kg dry	47.0	93.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:21	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	57.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	65.9 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	74.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	64.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	64.9 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	53.5 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	104		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
72-55-9	4,4'-DDE	20.3		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
50-29-3	4,4'-DDT	10.9		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
309-00-2	Aldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/26/2018 16:58	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH	02/22/2018 13:13	02/26/2018 16:58	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
72-20-8	Endrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/26/2018 16:58	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.27	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
8001-35-2	Toxaphene	ND		ug/kg dry	93.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/26/2018 16:58	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	109 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	47.7 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:54	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:54	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:54	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:54	LAB



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:54	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:54	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 18:54	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 18:54	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	78.7 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	79.4 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10900		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7440-36-0	Antimony	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7440-38-2	Arsenic	6.12		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7440-39-3	Barium	909		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7440-43-9	Cadmium	0.812		mg/kg dry	0.337	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7440-70-2	Calcium	30700		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7440-47-3	Chromium	24.6		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7440-48-4	Cobalt	8.46		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7440-50-8	Copper	31.7		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7439-89-6	Iron	13700		mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7439-92-1	Lead	534		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML
7439-95-4	Magnesium	7870		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:04	KML



Sample Information

Client Sample ID: B-04 4-6

York Sample ID: 18B0754-08

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	433		mg/kg dry	0.562	1	EPA 6010C	02/21/2018 10:00	02/27/2018 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	16.6		mg/kg dry	0.562	1	EPA 6010C	02/21/2018 10:00	02/27/2018 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1180		mg/kg dry	5.62	1	EPA 6010C	02/21/2018 10:00	02/27/2018 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.12	1	EPA 6010C	02/21/2018 10:00	02/27/2018 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.562	1	EPA 6010C	02/21/2018 10:00	02/27/2018 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	917		mg/kg dry	11.2	1	EPA 6010C	02/21/2018 10:00	02/27/2018 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C	02/21/2018 10:00	02/27/2018 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	26.0		mg/kg dry	1.12	1	EPA 6010C	02/21/2018 10:00	02/27/2018 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	555	B	mg/kg dry	1.69	1	EPA 6010C	02/21/2018 10:00	02/27/2018 19:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.164		mg/kg dry	0.0337	1	EPA 7473	02/21/2018 09:54	02/21/2018 14:02	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.0		%	0.100	1	SM 2540G	02/23/2018 13:58	02/23/2018 16:20	TAJ
							Certifications:	CTDOH		

Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.

18B0754

Client Project ID

BB17076

Matrix

Soil

Collection Date/Time

February 16, 2018 3:00 pm

Date Received

02/20/2018



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/24/2018 01:48	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/24/2018 01:48	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	90	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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	17	SCAL- E, B	ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
107-02-8	Acrolein	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 01:48	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/24/2018 01:48	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	119 %	77-125								
2037-26-5	Surrogate: Toluene-d8	107 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	98.2 %	76-130								



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B0754

BB17076

Soil

February 16, 2018 3:00 pm

02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
83-32-9	Acenaphthene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
208-96-8	Acenaphthylene	57.5	J	ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
62-53-3	Aniline	ND		ug/kg dry	187	374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
120-12-7	Anthracene	50.8	J	ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
92-87-5	Benzidine	ND		ug/kg dry	187	374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
56-55-3	Benzo(a)anthracene	219		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
50-32-8	Benzo(a)pyrene	213		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
205-99-2	Benzo(b)fluoranthene	186		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
191-24-2	Benzo(g,h,i)perylene	173		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
207-08-9	Benzo(k)fluoranthene	181		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
117-81-7	Bis(2-ethylhexyl)phthalate	59.7	J	ug/kg dry	46.8	204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
105-60-2	Caprolactam	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
86-74-8	Carbazole	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
218-01-9	Chrysene	218		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
206-44-0	Fluoranthene	367		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
86-73-7	Fluorene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
193-39-5	Indeno(1,2,3-cd)pyrene	160		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
78-59-1	Isophorone	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
91-20-3	Naphthalene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
85-01-8	Phenanthrene	204		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
108-95-2	Phenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
129-00-0	Pyrene	379		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 17:52	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	63.4 %	20-108								
4165-62-2	Surrogate: Phenol-d5	65.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	63.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	56.5 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	79.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	52.7 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	16.8		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
72-55-9	4,4'-DDE	3.66		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
309-00-2	Aldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 13:13	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH	02/22/2018 13:13	02/23/2018 13:13	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
72-20-8	Endrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 13:13	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.27	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
8001-35-2	Toxaphene	ND		ug/kg dry	93.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:13	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	99.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	90.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:18	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:18	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:18	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:18	LAB



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

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February 16, 2018 3:00 pm

Date Received
02/20/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:18	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:18	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:18	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 19:18	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	82.2 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	77.0 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9070		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-36-0	Antimony	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-38-2	Arsenic	4.95		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-39-3	Barium	275		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-43-9	Cadmium	0.576		mg/kg dry	0.337	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-70-2	Calcium	22800		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-47-3	Chromium	22.5		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-48-4	Cobalt	10.8		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-50-8	Copper	26.7		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7439-89-6	Iron	18100		mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7439-92-1	Lead	176		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7439-95-4	Magnesium	8850		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML



Sample Information

Client Sample ID: B-05 0-2

York Sample ID: 18B0754-09

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	591		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-02-0	Nickel	17.7		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-09-7	Potassium	1570		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7782-49-2	Selenium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-22-4	Silver	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-23-5	Sodium	225		mg/kg dry	11.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-62-2	Vanadium	31.9		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML
7440-66-6	Zinc	195	B	mg/kg dry	1.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:14	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.183		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/21/2018 09:54	02/21/2018 14:10	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.0		%	0.100	1	SM 2540G Certifications: CTDOH	02/23/2018 13:58	02/23/2018 16:20	TAJ

Sample Information

Client Sample ID: B-05 4-6

York Sample ID: 18B0754-10

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

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February 16, 2018 3:00 pm

Date Received
02/20/2018



Sample Information

Client Sample ID: B-05 4-6

York Sample ID: 18B0754-10

York Project (SDG) No.
18B0754

Client Project ID
BB17076

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Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/24/2018 02:15	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/24/2018 02:15	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	85	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS



Sample Information

Client Sample ID: B-05 4-6

York Sample ID: 18B0754-10

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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	60	SCAL- E, B	ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
107-02-8	Acrolein	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
71-43-2	Benzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS



Sample Information

Client Sample ID: B-05 4-6

York Sample ID: 18B0754-10

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
100-42-5	Styrene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/23/2018 12:30	02/24/2018 02:15	RDS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.4	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/23/2018 12:30	02/24/2018 02:15	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	122 %	77-125								
2037-26-5	Surrogate: Toluene-d8	99.4 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	92.9 %	76-130								



Sample Information

Client Sample ID: B-05 4-6

York Sample ID: 18B0754-10

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH



Sample Information

Client Sample ID: B-05 4-6

York Sample ID: 18B0754-10

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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/kg dry	95.6	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
83-32-9	Acenaphthene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
98-86-2	Acetophenone	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
62-53-3	Aniline	ND		ug/kg dry	191	383	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
120-12-7	Anthracene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
1912-24-9	Atrazine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
92-87-5	Benzidine	ND		ug/kg dry	191	383	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
65-85-0	Benzoic acid	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH



Sample Information

Client Sample ID: B-05 4-6

York Sample ID: 18B0754-10

York Project (SDG) No.
18B0754

Client Project ID
BB17076

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February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.9	209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
105-60-2	Caprolactam	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
86-74-8	Carbazole	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
218-01-9	Chrysene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
206-44-0	Fluoranthene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
86-73-7	Fluorene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
78-59-1	Isophorone	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
91-20-3	Naphthalene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH



Sample Information

Client Sample ID: B-05 4-6

York Sample ID: 18B0754-10

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
85-01-8	Phenanthrene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
108-95-2	Phenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
129-00-0	Pyrene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/23/2018 05:25	02/26/2018 18:23	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	58.4 %		20-108							
4165-62-2	Surrogate: Phenol-d5	62.3 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	57.0 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	57.9 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	63.2 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	45.6 %		24-116							

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
309-00-2	Aldrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 13:28	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH	02/22/2018 13:13	02/23/2018 13:28	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
72-20-8	Endrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/22/2018 13:13	02/23/2018 13:28	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.42	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
8001-35-2	Toxaphene	ND		ug/kg dry	95.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 13:28	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	70.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.9 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:42	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:42	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:42	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:42	LAB



Sample Information

Client Sample ID: B-05 4-6

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February 16, 2018 3:00 pm

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:42	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:42	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/22/2018 13:13	02/23/2018 19:42	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	02/22/2018 13:13	02/23/2018 19:42	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	68.3 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	59.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	21300		mg/kg dry	5.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-36-0	Antimony	ND		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-38-2	Arsenic	2.00		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-39-3	Barium	64.6		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.115	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-43-9	Cadmium	0.770		mg/kg dry	0.344	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-70-2	Calcium	1220		mg/kg dry	5.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-47-3	Chromium	43.5		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-48-4	Cobalt	25.6		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-50-8	Copper	41.3		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7439-89-6	Iron	33100		mg/kg dry	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7439-92-1	Lead	8.99		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7439-95-4	Magnesium	13000		mg/kg dry	5.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML



Sample Information

Client Sample ID: B-05 4-6

York Sample ID: 18B0754-10

York Project (SDG) No.
18B0754

Client Project ID
BB17076

Matrix
Soil

Collection Date/Time
February 16, 2018 3:00 pm

Date Received
02/20/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	1060		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-02-0	Nickel	38.4		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-09-7	Potassium	2050		mg/kg dry	5.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7782-49-2	Selenium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-22-4	Silver	ND		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-23-5	Sodium	159		mg/kg dry	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-28-0	Thallium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-62-2	Vanadium	57.5		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML
7440-66-6	Zinc	100	B	mg/kg dry	1.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/21/2018 10:00	02/27/2018 19:40	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0344	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/21/2018 09:54	02/21/2018 14:19	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.3		%	0.100	1	SM 2540G Certifications: CTDOH	02/23/2018 13:58	02/23/2018 16:20	TAJ



Analytical Batch Summary

Batch ID: BB80929

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18B0754-01	B-01 0-2	02/21/18
18B0754-02	B-01 5-7	02/21/18
18B0754-03	B-02 0-2	02/21/18
18B0754-04	B-02 12-14	02/21/18
18B0754-05	B-03 0-2	02/21/18
18B0754-06	B-03 4-6	02/21/18
18B0754-07	B-04 0-2	02/21/18
18B0754-08	B-04 4-6	02/21/18
18B0754-09	B-05 0-2	02/21/18
18B0754-10	B-05 4-6	02/21/18
BB80929-BLK1	Blank	02/21/18
BB80929-SRM1	Reference	02/21/18

Batch ID: BB80931

Preparation Method: EPA 3050B

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18B0754-01	B-01 0-2	02/21/18
18B0754-02	B-01 5-7	02/21/18
18B0754-03	B-02 0-2	02/21/18
18B0754-04	B-02 12-14	02/21/18
18B0754-05	B-03 0-2	02/21/18
18B0754-06	B-03 4-6	02/21/18
18B0754-07	B-04 0-2	02/21/18
18B0754-08	B-04 4-6	02/21/18
18B0754-09	B-05 0-2	02/21/18
18B0754-10	B-05 4-6	02/21/18
BB80931-BLK1	Blank	02/21/18
BB80931-SRM1	Reference	02/21/18

Batch ID: BB81018

Preparation Method: EPA 3550C

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
18B0754-01	B-01 0-2	02/22/18
18B0754-01	B-01 0-2	02/22/18
18B0754-02	B-01 5-7	02/22/18
18B0754-02	B-01 5-7	02/22/18
18B0754-03	B-02 0-2	02/22/18
18B0754-03	B-02 0-2	02/22/18
18B0754-04	B-02 12-14	02/22/18
18B0754-04	B-02 12-14	02/22/18
18B0754-05	B-03 0-2	02/22/18
18B0754-05	B-03 0-2	02/22/18
18B0754-06	B-03 4-6	02/22/18
18B0754-06	B-03 4-6	02/22/18
18B0754-07	B-04 0-2	02/22/18



18B0754-07	B-04 0-2	02/22/18
18B0754-08	B-04 4-6	02/22/18
18B0754-08	B-04 4-6	02/22/18
18B0754-09	B-05 0-2	02/22/18
18B0754-09	B-05 0-2	02/22/18
18B0754-10	B-05 4-6	02/22/18
18B0754-10	B-05 4-6	02/22/18
BB81018-BLK1	Blank	02/22/18
BB81018-BLK2	Blank	02/22/18
BB81018-BS1	LCS	02/22/18
BB81018-BS2	LCS	02/22/18
BB81018-MS1	Matrix Spike	02/22/18
BB81018-MSD1	Matrix Spike Dup	02/22/18

Batch ID: BB81043 **Preparation Method:** EPA 3550C **Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
18B0754-01	B-01 0-2	02/23/18
18B0754-02	B-01 5-7	02/23/18
18B0754-03	B-02 0-2	02/23/18
18B0754-03RE1	B-02 0-2	02/23/18
18B0754-04	B-02 12-14	02/23/18
18B0754-05	B-03 0-2	02/23/18
18B0754-06	B-03 4-6	02/23/18
18B0754-07	B-04 0-2	02/23/18
18B0754-08	B-04 4-6	02/23/18
18B0754-09	B-05 0-2	02/23/18
18B0754-10	B-05 4-6	02/23/18
BB81043-BLK1	Blank	02/23/18
BB81043-BS1	LCS	02/23/18

Batch ID: BB81046 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18B0754-01	B-01 0-2	02/23/18
18B0754-03	B-02 0-2	02/23/18
18B0754-04	B-02 12-14	02/23/18
18B0754-05	B-03 0-2	02/23/18
18B0754-09	B-05 0-2	02/23/18
18B0754-10	B-05 4-6	02/23/18
BB81046-BLK1	Blank	02/23/18
BB81046-BS1	LCS	02/23/18
BB81046-BSD1	LCS Dup	02/23/18

Batch ID: BB81084 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18B0754-01	B-01 0-2	02/23/18
18B0754-02	B-01 5-7	02/23/18
18B0754-03	B-02 0-2	02/23/18



18B0754-04	B-02 12-14	02/23/18
18B0754-05	B-03 0-2	02/23/18
18B0754-06	B-03 4-6	02/23/18
18B0754-07	B-04 0-2	02/23/18
18B0754-08	B-04 4-6	02/23/18
18B0754-09	B-05 0-2	02/23/18
18B0754-10	B-05 4-6	02/23/18

Batch ID: BB81117

Preparation Method: EPA 5035A

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18B0754-02	B-01 5-7	02/26/18
18B0754-06	B-03 4-6	02/26/18
18B0754-07	B-04 0-2	02/26/18
18B0754-08	B-04 4-6	02/26/18
BB81117-BLK1	Blank	02/26/18
BB81117-BLK2	Blank	02/26/18
BB81117-BS1	LCS	02/26/18
BB81117-BSD1	LCS Dup	02/26/18



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 BB81046 - EPA 5035A											
Blank (BB81046-BLK1)										Prepared & Analyzed: 02/23/2018	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	5.6	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								



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 BB81046 - EPA 5035A

Blank (BB81046-BLK1)

Prepared & Analyzed: 02/23/2018

n-Butylbenzene	ND	5.0	ug/kg wet
n-Propylbenzene	ND	5.0	"
o-Xylene	ND	5.0	"
p- & m- Xylenes	ND	10	"
p-Isopropyltoluene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
Styrene	ND	5.0	"
tert-Butyl alcohol (TBA)	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Tetrachloroethylene	ND	5.0	"
Toluene	ND	5.0	"
trans-1,2-Dichloroethylene	ND	5.0	"
trans-1,3-Dichloropropylene	ND	5.0	"
Trichloroethylene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
Vinyl Chloride	ND	5.0	"
Xylenes, Total	ND	15	"

Surrogate: 1,2-Dichloroethane-d4	58.5	ug/L	50.0	117	77-125
Surrogate: Toluene-d8	48.5	"	50.0	97.0	85-120
Surrogate: p-Bromofluorobenzene	45.1	"	50.0	90.1	76-130

LCS (BB81046-BS1)

Prepared & Analyzed: 02/23/2018

1,1,1,2-Tetrachloroethane	54	ug/L	50.0	108	75-129
1,1,1-Trichloroethane	63	"	50.0	126	71-137
1,1,2,2-Tetrachloroethane	49	"	50.0	97.6	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62	"	50.0	123	58-146
1,1,2-Trichloroethane	47	"	50.0	93.3	83-123
1,1-Dichloroethane	58	"	50.0	117	75-130
1,1-Dichloroethylene	61	"	50.0	122	64-137
1,2,3-Trichlorobenzene	47	"	50.0	95.0	81-140
1,2,3-Trichloropropane	50	"	50.0	100	81-126
1,2,4-Trichlorobenzene	48	"	50.0	95.8	80-141
1,2,4-Trimethylbenzene	51	"	50.0	102	84-125
1,2-Dibromo-3-chloropropane	52	"	50.0	104	74-142
1,2-Dibromoethane	53	"	50.0	106	86-123
1,2-Dichlorobenzene	50	"	50.0	99.3	85-122
1,2-Dichloroethane	61	"	50.0	122	71-133
1,2-Dichloropropane	51	"	50.0	102	81-122
1,3,5-Trimethylbenzene	51	"	50.0	102	82-126
1,3-Dichlorobenzene	47	"	50.0	94.3	84-124
1,4-Dichlorobenzene	49	"	50.0	97.5	84-124
1,4-Dioxane	1100	"	1050	106	10-228
2-Butanone	53	"	50.0	105	58-147
2-Hexanone	46	"	50.0	91.4	70-139
4-Methyl-2-pentanone	50	"	50.0	99.5	72-132
Acetone	40	"	50.0	80.2	36-155
Acrolein	24	"	50.0	47.8	10-238
Acrylonitrile	47	"	50.0	94.0	66-141
Benzene	55	"	50.0	111	77-127
Bromochloromethane	55	"	50.0	110	74-129
Bromodichloromethane	53	"	50.0	107	81-124



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 BB81046 - EPA 5035A											
LCS (BB81046-BS1)						Prepared & Analyzed: 02/23/2018					
Bromoform	51		ug/L	50.0		101	80-136				
Bromomethane	77		"	50.0		154	32-177				
Carbon disulfide	60		"	50.0		120	10-136				
Carbon tetrachloride	69		"	50.0		138	66-143				
Chlorobenzene	52		"	50.0		105	86-120				
Chloroethane	68		"	50.0		136	51-142				
Chloroform	57		"	50.0		115	76-131				
Chloromethane	66		"	50.0		132	49-132				
cis-1,2-Dichloroethylene	52		"	50.0		103	74-132				
cis-1,3-Dichloropropylene	53		"	50.0		106	81-129				
Cyclohexane	54		"	50.0		107	70-130				
Dibromochloromethane	56		"	50.0		113	10-200				
Dibromomethane	53		"	50.0		106	83-124				
Dichlorodifluoromethane	94		"	50.0		188	28-158	High Bias			
Ethyl Benzene	52		"	50.0		105	84-125				
Hexachlorobutadiene	56		"	50.0		113	83-133				
Isopropylbenzene	51		"	50.0		103	81-127				
Methyl acetate	49		"	50.0		97.2	41-143				
Methyl tert-butyl ether (MTBE)	58		"	50.0		117	74-131				
Methylcyclohexane	51		"	50.0		103	70-130				
Methylene chloride	54		"	50.0		107	57-141				
n-Butylbenzene	50		"	50.0		99.8	80-130				
n-Propylbenzene	51		"	50.0		102	74-136				
o-Xylene	52		"	50.0		104	83-123				
p- & m- Xylenes	110		"	100		105	82-128				
p-Isopropyltoluene	53		"	50.0		106	85-125				
sec-Butylbenzene	55		"	50.0		110	83-125				
Styrene	45		"	50.0		90.8	86-126				
tert-Butyl alcohol (TBA)	290		"	250		116	70-130				
tert-Butylbenzene	53		"	50.0		106	80-127				
Tetrachloroethylene	50		"	50.0		101	80-129				
Toluene	50		"	50.0		99.7	85-121				
trans-1,2-Dichloroethylene	57		"	50.0		115	72-132				
trans-1,3-Dichloropropylene	52		"	50.0		104	78-132				
Trichloroethylene	57		"	50.0		113	84-123				
Trichlorofluoromethane	81		"	50.0		162	62-140	High Bias			
Vinyl Chloride	72		"	50.0		143	52-130	High Bias			
Surrogate: 1,2-Dichloroethane-d4	54.9		"	50.0		110	77-125				
Surrogate: Toluene-d8	46.7		"	50.0		93.4	85-120				
Surrogate: p-Bromofluorobenzene	50.2		"	50.0		100	76-130				



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 BB81046 - EPA 5035A											
LCS Dup (BB81046-BSD1)						Prepared & Analyzed: 02/23/2018					
1,1,1,2-Tetrachloroethane	51		ug/L	50.0		101	75-129		7.14	30	
1,1,1-Trichloroethane	60		"	50.0		120	71-137		4.68	30	
1,1,2,2-Tetrachloroethane	48		"	50.0		96.5	79-129		1.20	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		121	58-146		2.15	30	
1,1,2-Trichloroethane	46		"	50.0		92.9	83-123		0.408	30	
1,1-Dichloroethane	55		"	50.0		111	75-130		5.37	30	
1,1-Dichloroethylene	60		"	50.0		119	64-137		2.70	30	
1,2,3-Trichlorobenzene	44		"	50.0		88.6	81-140		6.97	30	
1,2,3-Trichloropropane	50		"	50.0		101	81-126		0.379	30	
1,2,4-Trichlorobenzene	44		"	50.0		88.6	80-141		7.83	30	
1,2,4-Trimethylbenzene	48		"	50.0		95.6	84-125		6.38	30	
1,2-Dibromo-3-chloropropane	51		"	50.0		103	74-142		0.987	30	
1,2-Dibromoethane	50		"	50.0		101	86-123		5.21	30	
1,2-Dichlorobenzene	47		"	50.0		94.9	85-122		4.45	30	
1,2-Dichloroethane	60		"	50.0		119	71-133		1.96	30	
1,2-Dichloropropane	50		"	50.0		100	81-122		2.15	30	
1,3,5-Trimethylbenzene	50		"	50.0		99.5	82-126		2.25	30	
1,3-Dichlorobenzene	45		"	50.0		89.8	84-124		4.89	30	
1,4-Dichlorobenzene	45		"	50.0		90.3	84-124		7.58	30	
1,4-Dioxane	920		"	1050		87.6	10-228		19.2	30	
2-Butanone	56		"	50.0		113	58-147		6.57	30	
2-Hexanone	45		"	50.0		89.2	70-139		2.46	30	
4-Methyl-2-pentanone	48		"	50.0		96.0	72-132		3.64	30	
Acetone	47		"	50.0		93.3	36-155		15.0	30	
Acrolein	23		"	50.0		46.8	10-238		1.95	30	
Acrylonitrile	48		"	50.0		96.8	66-141		2.94	30	
Benzene	54		"	50.0		107	77-127		3.20	30	
Bromochloromethane	52		"	50.0		104	74-129		5.01	30	
Bromodichloromethane	53		"	50.0		106	81-124		0.600	30	
Bromoform	51		"	50.0		102	80-136		0.866	30	
Bromomethane	74		"	50.0		147	32-177		4.07	30	
Carbon disulfide	57		"	50.0		115	10-136		4.78	30	
Carbon tetrachloride	65		"	50.0		131	66-143		5.45	30	
Chlorobenzene	49		"	50.0		98.3	86-120		6.46	30	
Chloroethane	69		"	50.0		137	51-142		0.833	30	
Chloroform	58		"	50.0		115	76-131		0.592	30	
Chloromethane	64		"	50.0		127	49-132		3.78	30	
cis-1,2-Dichloroethylene	49		"	50.0		98.0	74-132		5.05	30	
cis-1,3-Dichloropropylene	50		"	50.0		100	81-129		5.17	30	
Cyclohexane	51		"	50.0		103	70-130		4.02	30	
Dibromochloromethane	55		"	50.0		110	10-200		2.05	30	
Dibromomethane	51		"	50.0		101	83-124		4.35	30	
Dichlorodifluoromethane	89		"	50.0		178	28-158	High Bias	5.57	30	
Ethyl Benzene	50		"	50.0		99.3	84-125		5.58	30	
Hexachlorobutadiene	53		"	50.0		106	83-133		5.82	30	
Isopropylbenzene	49		"	50.0		97.7	81-127		5.05	30	
Methyl acetate	50		"	50.0		99.2	41-143		1.98	30	
Methyl tert-butyl ether (MTBE)	56		"	50.0		111	74-131		4.66	30	
Methylcyclohexane	50		"	50.0		99.7	70-130		3.18	30	
Methylene chloride	52		"	50.0		105	57-141		2.55	30	
n-Butylbenzene	46		"	50.0		91.8	80-130		8.35	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	Limit	Flag

Batch BB81046 - EPA 5035A

LCS Dup (BB81046-BSD1)

Prepared & Analyzed: 02/23/2018

n-Propylbenzene	49		ug/L	50.0		97.2	74-136		4.58	30	
o-Xylene	51		"	50.0		102	83-123		2.23	30	
p- & m- Xylenes	97		"	100		97.2	82-128		7.75	30	
p-Isopropyltoluene	51		"	50.0		102	85-125		4.15	30	
sec-Butylbenzene	53		"	50.0		105	83-125		4.25	30	
Styrene	43		"	50.0		86.4	86-126		4.88	30	
tert-Butyl alcohol (TBA)	290		"	250		118	70-130		1.76	30	
tert-Butylbenzene	52		"	50.0		103	80-127		2.87	30	
Tetrachloroethylene	48		"	50.0		96.0	80-129		5.04	30	
Toluene	49		"	50.0		97.3	85-121		2.36	30	
trans-1,2-Dichloroethylene	55		"	50.0		109	72-132		4.66	30	
trans-1,3-Dichloropropylene	50		"	50.0		100	78-132		3.45	30	
Trichloroethylene	53		"	50.0		106	84-123		6.90	30	
Trichlorofluoromethane	79		"	50.0		159	62-140	High Bias	2.05	30	
Vinyl Chloride	69		"	50.0		137	52-130	High Bias	4.14	30	
Surrogate: 1,2-Dichloroethane-d4	55.8		"	50.0		112	77-125				
Surrogate: Toluene-d8	46.6		"	50.0		93.2	85-120				
Surrogate: p-Bromofluorobenzene	49.1		"	50.0		98.2	76-130				

Batch BB81117 - EPA 5035A

Blank (BB81117-BLK1)

Prepared & Analyzed: 02/26/2018

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet
1,1,1-Trichloroethane	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,1-Dichloroethylene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,2,3-Trichloropropane	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,2,4-Trimethylbenzene	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3,5-Trimethylbenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
1,4-Dioxane	ND	200	"
2-Butanone	ND	10	"
2-Hexanone	ND	5.0	"
4-Methyl-2-pentanone	ND	5.0	"
Acetone	ND	10	"
Acrolein	ND	10	"
Acrylonitrile	ND	5.0	"
Benzene	ND	5.0	"
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"



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 BB81117 - EPA 5035A

Blank (BB81117-BLK1)

Prepared & Analyzed: 02/26/2018

Bromoform	ND	5.0	ug/kg wet
Bromomethane	ND	5.0	"
Carbon disulfide	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
cis-1,2-Dichloroethylene	ND	5.0	"
cis-1,3-Dichloropropylene	ND	5.0	"
Cyclohexane	ND	5.0	"
Dibromochloromethane	ND	5.0	"
Dibromomethane	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
Ethyl Benzene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"
Methyl acetate	ND	5.0	"
Methyl tert-butyl ether (MTBE)	ND	5.0	"
Methylcyclohexane	ND	5.0	"
Methylene chloride	ND	10	"
n-Butylbenzene	ND	5.0	"
n-Propylbenzene	ND	5.0	"
o-Xylene	ND	5.0	"
p- & m- Xylenes	ND	10	"
p-Isopropyltoluene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
Styrene	ND	5.0	"
tert-Butyl alcohol (TBA)	ND	10	"
tert-Butylbenzene	ND	5.0	"
Tetrachloroethylene	ND	5.0	"
Toluene	ND	5.0	"
trans-1,2-Dichloroethylene	ND	5.0	"
trans-1,3-Dichloropropylene	ND	5.0	"
Trichloroethylene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
Vinyl Chloride	ND	5.0	"
Xylenes, Total	ND	15	"

Surrogate: 1,2-Dichloroethane-d4	47.2	ug/L	50.0	94.4	77-125
Surrogate: Toluene-d8	48.2	"	50.0	96.3	85-120
Surrogate: p-Bromofluorobenzene	51.2	"	50.0	102	76-130



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 BB81117 - EPA 5035A

Blank (BB81117-BLK2)

Prepared & Analyzed: 02/26/2018

1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet
1,1,1-Trichloroethane	ND	500	"
1,1,2,2-Tetrachloroethane	ND	500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"
1,1,2-Trichloroethane	ND	500	"
1,1-Dichloroethane	ND	500	"
1,1-Dichloroethylene	ND	500	"
1,2,3-Trichlorobenzene	ND	500	"
1,2,3-Trichloropropane	ND	500	"
1,2,4-Trichlorobenzene	ND	500	"
1,2,4-Trimethylbenzene	ND	500	"
1,2-Dibromo-3-chloropropane	ND	500	"
1,2-Dibromoethane	ND	500	"
1,2-Dichlorobenzene	ND	500	"
1,2-Dichloroethane	ND	500	"
1,2-Dichloropropane	ND	500	"
1,3,5-Trimethylbenzene	ND	500	"
1,3-Dichlorobenzene	ND	500	"
1,4-Dichlorobenzene	ND	500	"
1,4-Dioxane	ND	20000	"
2-Butanone	ND	1000	"
2-Hexanone	ND	500	"
4-Methyl-2-pentanone	ND	500	"
Acetone	ND	1000	"
Acrolein	ND	1000	"
Acrylonitrile	ND	500	"
Benzene	ND	500	"
Bromochloromethane	ND	500	"
Bromodichloromethane	ND	500	"
Bromoform	ND	500	"
Bromomethane	ND	500	"
Carbon disulfide	ND	500	"
Carbon tetrachloride	ND	500	"
Chlorobenzene	ND	500	"
Chloroethane	ND	500	"
Chloroform	ND	500	"
Chloromethane	ND	500	"
cis-1,2-Dichloroethylene	ND	500	"
cis-1,3-Dichloropropylene	ND	500	"
Cyclohexane	ND	500	"
Dibromochloromethane	ND	500	"
Dibromomethane	ND	500	"
Dichlorodifluoromethane	ND	500	"
Ethyl Benzene	ND	500	"
Hexachlorobutadiene	ND	500	"
Isopropylbenzene	ND	500	"
Methyl acetate	ND	500	"
Methyl tert-butyl ether (MTBE)	ND	500	"
Methylcyclohexane	ND	500	"
Methylene chloride	ND	1000	"
n-Butylbenzene	ND	500	"



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 BB81117 - EPA 5035A

Blank (BB81117-BLK2)

Prepared & Analyzed: 02/26/2018

n-Propylbenzene	ND	500	ug/kg wet
o-Xylene	ND	500	"
p- & m- Xylenes	ND	1000	"
p-Isopropyltoluene	ND	500	"
sec-Butylbenzene	ND	500	"
Styrene	ND	500	"
tert-Butyl alcohol (TBA)	ND	1000	"
tert-Butylbenzene	ND	500	"
Tetrachloroethylene	ND	500	"
Toluene	ND	500	"
trans-1,2-Dichloroethylene	ND	500	"
trans-1,3-Dichloropropylene	ND	500	"
Trichloroethylene	ND	500	"
Trichlorofluoromethane	ND	500	"
Vinyl Chloride	ND	500	"
Xylenes, Total	ND	1500	"

Surrogate: 1,2-Dichloroethane-d4	47.7	ug/L	50.0	95.4	77-125
Surrogate: Toluene-d8	47.4	"	50.0	94.8	85-120
Surrogate: p-Bromofluorobenzene	50.2	"	50.0	100	76-130

LCS (BB81117-BS1)

Prepared & Analyzed: 02/26/2018

1,1,1,2-Tetrachloroethane	47	ug/L	50.0	94.6	75-129
1,1,1-Trichloroethane	47	"	50.0	93.2	71-137
1,1,2,2-Tetrachloroethane	47	"	50.0	93.1	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49	"	50.0	97.8	58-146
1,1,2-Trichloroethane	46	"	50.0	91.6	83-123
1,1-Dichloroethane	48	"	50.0	96.8	75-130
1,1-Dichloroethylene	47	"	50.0	94.7	64-137
1,2,3-Trichlorobenzene	49	"	50.0	98.7	81-140
1,2,3-Trichloropropane	46	"	50.0	91.4	81-126
1,2,4-Trichlorobenzene	50	"	50.0	99.9	80-141
1,2,4-Trimethylbenzene	46	"	50.0	92.5	84-125
1,2-Dibromo-3-chloropropane	46	"	50.0	91.4	74-142
1,2-Dibromoethane	47	"	50.0	93.6	86-123
1,2-Dichlorobenzene	48	"	50.0	95.5	85-122
1,2-Dichloroethane	48	"	50.0	96.8	71-133
1,2-Dichloropropane	44	"	50.0	88.5	81-122
1,3,5-Trimethylbenzene	46	"	50.0	91.2	82-126
1,3-Dichlorobenzene	48	"	50.0	95.1	84-124
1,4-Dichlorobenzene	48	"	50.0	95.4	84-124
1,4-Dioxane	1200	"	1050	111	10-228
2-Butanone	46	"	50.0	91.4	58-147
2-Hexanone	40	"	50.0	79.3	70-139
4-Methyl-2-pentanone	40	"	50.0	80.9	72-132
Acetone	39	"	50.0	77.4	36-155
Acrolein	86	"	50.0	171	10-238
Acrylonitrile	50	"	50.0	99.4	66-141
Benzene	50	"	50.0	99.1	77-127
Bromochloromethane	48	"	50.0	96.2	74-129
Bromodichloromethane	43	"	50.0	86.8	81-124
Bromoform	44	"	50.0	88.6	80-136



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 BB81117 - EPA 5035A

LCS (BB81117-BS1)

Prepared & Analyzed: 02/26/2018

Bromomethane	50		ug/L	50.0		101	32-177				
Carbon disulfide	51		"	50.0		102	10-136				
Carbon tetrachloride	47		"	50.0		94.5	66-143				
Chlorobenzene	47		"	50.0		94.5	86-120				
Chloroethane	56		"	50.0		113	51-142				
Chloroform	49		"	50.0		97.4	76-131				
Chloromethane	55		"	50.0		111	49-132				
cis-1,2-Dichloroethylene	50		"	50.0		99.8	74-132				
cis-1,3-Dichloropropylene	44		"	50.0		87.6	81-129				
Cyclohexane	46		"	50.0		91.7	70-130				
Dibromochloromethane	46		"	50.0		91.9	10-200				
Dibromomethane	46		"	50.0		91.2	83-124				
Dichlorodifluoromethane	63		"	50.0		125	28-158				
Ethyl Benzene	46		"	50.0		91.9	84-125				
Hexachlorobutadiene	47		"	50.0		94.5	83-133				
Isopropylbenzene	46		"	50.0		91.6	81-127				
Methyl acetate	40		"	50.0		79.6	41-143				
Methyl tert-butyl ether (MTBE)	49		"	50.0		97.9	74-131				
Methylcyclohexane	44		"	50.0		87.2	70-130				
Methylene chloride	52		"	50.0		105	57-141				
n-Butylbenzene	47		"	50.0		93.6	80-130				
n-Propylbenzene	45		"	50.0		90.6	74-136				
o-Xylene	46		"	50.0		92.4	83-123				
p- & m- Xylenes	90		"	100		90.1	82-128				
p-Isopropyltoluene	47		"	50.0		94.8	85-125				
sec-Butylbenzene	49		"	50.0		97.1	83-125				
Styrene	46		"	50.0		92.1	86-126				
tert-Butyl alcohol (TBA)	220		"	250		89.4	70-130				
tert-Butylbenzene	46		"	50.0		92.8	80-127				
Tetrachloroethylene	46		"	50.0		92.9	80-129				
Toluene	46		"	50.0		91.4	85-121				
trans-1,2-Dichloroethylene	46		"	50.0		92.7	72-132				
trans-1,3-Dichloropropylene	43		"	50.0		86.8	78-132				
Trichloroethylene	45		"	50.0		90.9	84-123				
Trichlorofluoromethane	55		"	50.0		110	62-140				
Vinyl Chloride	56		"	50.0		112	52-130				
Surrogate: 1,2-Dichloroethane-d4	48.3		"	50.0		96.6	77-125				
Surrogate: Toluene-d8	47.8		"	50.0		95.6	85-120				
Surrogate: p-Bromofluorobenzene	50.6		"	50.0		101	76-130				



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 BB81117 - EPA 5035A											
LCS Dup (BB81117-BSD1)						Prepared & Analyzed: 02/26/2018					
1,1,1,2-Tetrachloroethane	48		ug/L	50.0		96.7	75-129		2.22	30	
1,1,1-Trichloroethane	47		"	50.0		94.5	71-137		1.32	30	
1,1,2,2-Tetrachloroethane	48		"	50.0		96.6	79-129		3.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0		98.0	58-146		0.204	30	
1,1,2-Trichloroethane	46		"	50.0		92.5	83-123		0.978	30	
1,1-Dichloroethane	49		"	50.0		97.4	75-130		0.618	30	
1,1-Dichloroethylene	48		"	50.0		95.0	64-137		0.337	30	
1,2,3-Trichlorobenzene	50		"	50.0		99.5	81-140		0.827	30	
1,2,3-Trichloropropane	48		"	50.0		96.0	81-126		4.99	30	
1,2,4-Trichlorobenzene	49		"	50.0		97.1	80-141		2.84	30	
1,2,4-Trimethylbenzene	47		"	50.0		93.8	84-125		1.37	30	
1,2-Dibromo-3-chloropropane	49		"	50.0		98.1	74-142		7.11	30	
1,2-Dibromoethane	48		"	50.0		96.4	86-123		2.99	30	
1,2-Dichlorobenzene	50		"	50.0		99.7	85-122		4.35	30	
1,2-Dichloroethane	48		"	50.0		95.7	71-133		1.10	30	
1,2-Dichloropropane	45		"	50.0		90.8	81-122		2.59	30	
1,3,5-Trimethylbenzene	47		"	50.0		93.9	82-126		2.94	30	
1,3-Dichlorobenzene	48		"	50.0		96.2	84-124		1.13	30	
1,4-Dichlorobenzene	48		"	50.0		96.6	84-124		1.19	30	
1,4-Dioxane	1100		"	1050		108	10-228		2.77	30	
2-Butanone	45		"	50.0		90.4	58-147		1.06	30	
2-Hexanone	40		"	50.0		80.6	70-139		1.68	30	
4-Methyl-2-pentanone	41		"	50.0		82.6	72-132		2.01	30	
Acetone	39		"	50.0		78.6	36-155		1.54	30	
Acrolein	85		"	50.0		171	10-238		0.444	30	
Acrylonitrile	49		"	50.0		97.2	66-141		2.30	30	
Benzene	49		"	50.0		97.6	77-127		1.51	30	
Bromochloromethane	48		"	50.0		96.4	74-129		0.187	30	
Bromodichloromethane	44		"	50.0		88.0	81-124		1.28	30	
Bromoform	45		"	50.0		90.9	80-136		2.50	30	
Bromomethane	51		"	50.0		103	32-177		2.03	30	
Carbon disulfide	52		"	50.0		103	10-136		1.19	30	
Carbon tetrachloride	47		"	50.0		94.7	66-143		0.148	30	
Chlorobenzene	48		"	50.0		96.5	86-120		2.12	30	
Chloroethane	57		"	50.0		114	51-142		0.971	30	
Chloroform	48		"	50.0		96.5	76-131		0.990	30	
Chloromethane	56		"	50.0		112	49-132		1.17	30	
cis-1,2-Dichloroethylene	51		"	50.0		101	74-132		1.39	30	
cis-1,3-Dichloropropylene	45		"	50.0		90.6	81-129		3.37	30	
Cyclohexane	46		"	50.0		91.7	70-130		0.0436	30	
Dibromochloromethane	47		"	50.0		94.6	10-200		2.81	30	
Dibromomethane	47		"	50.0		94.3	83-124		3.30	30	
Dichlorodifluoromethane	64		"	50.0		129	28-158		2.61	30	
Ethyl Benzene	47		"	50.0		94.1	84-125		2.37	30	
Hexachlorobutadiene	48		"	50.0		96.0	83-133		1.66	30	
Isopropylbenzene	46		"	50.0		92.5	81-127		1.00	30	
Methyl acetate	37		"	50.0		74.8	41-143		6.11	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0		97.8	74-131		0.123	30	
Methylcyclohexane	44		"	50.0		88.5	70-130		1.43	30	
Methylene chloride	51		"	50.0		101	57-141		3.21	30	
n-Butylbenzene	47		"	50.0		94.5	80-130		0.957	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 BB81117 - EPA 5035A

LCS Dup (BB81117-BSD1)

Prepared & Analyzed: 02/26/2018

n-Propylbenzene	46		ug/L	50.0		91.7	74-136		1.29	30	
o-Xylene	47		"	50.0		93.4	83-123		1.03	30	
p- & m- Xylenes	94		"	100		93.9	82-128		4.08	30	
p-Isopropyltoluene	48		"	50.0		96.8	85-125		2.17	30	
sec-Butylbenzene	50		"	50.0		99.4	83-125		2.36	30	
Styrene	47		"	50.0		93.6	86-126		1.70	30	
tert-Butyl alcohol (TBA)	230		"	250		91.3	70-130		2.09	30	
tert-Butylbenzene	48		"	50.0		95.9	80-127		3.28	30	
Tetrachloroethylene	46		"	50.0		91.8	80-129		1.10	30	
Toluene	47		"	50.0		93.7	85-121		2.48	30	
trans-1,2-Dichloroethylene	47		"	50.0		93.2	72-132		0.603	30	
trans-1,3-Dichloropropylene	43		"	50.0		87.0	78-132		0.184	30	
Trichloroethylene	46		"	50.0		93.0	84-123		2.22	30	
Trichlorofluoromethane	56		"	50.0		112	62-140		1.62	30	
Vinyl Chloride	56		"	50.0		112	52-130		0.715	30	
Surrogate: 1,2-Dichloroethane-d4	48.5		"	50.0		97.0	77-125				
Surrogate: Toluene-d8	48.4		"	50.0		96.8	85-120				
Surrogate: p-Bromofluorobenzene	52.0		"	50.0		104	76-130				



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 BB81043 - EPA 3550C

Blank (BB81043-BLK1)

Prepared: 02/23/2018 Analyzed: 02/25/2018

1,1-Biphenyl	ND	41.7	ug/kg wet
1,2,4,5-Tetrachlorobenzene	ND	83.3	"
1,2,4-Trichlorobenzene	ND	41.7	"
1,2-Dichlorobenzene	ND	41.7	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.7	"
1,3-Dichlorobenzene	ND	41.7	"
1,4-Dichlorobenzene	ND	41.7	"
2,3,4,6-Tetrachlorophenol	ND	83.3	"
2,4,5-Trichlorophenol	ND	41.7	"
2,4,6-Trichlorophenol	ND	41.7	"
2,4-Dichlorophenol	ND	41.7	"
2,4-Dimethylphenol	ND	41.7	"
2,4-Dinitrophenol	ND	83.3	"
2,4-Dinitrotoluene	ND	41.7	"
2,6-Dinitrotoluene	ND	41.7	"
2-Chloronaphthalene	ND	41.7	"
2-Chlorophenol	ND	41.7	"
2-Methylnaphthalene	ND	41.7	"
2-Methylphenol	ND	41.7	"
2-Nitroaniline	ND	83.3	"
2-Nitrophenol	ND	41.7	"
3- & 4-Methylphenols	ND	41.7	"
3,3-Dichlorobenzidine	ND	41.7	"
3-Nitroaniline	ND	83.3	"
4,6-Dinitro-2-methylphenol	ND	83.3	"
4-Bromophenyl phenyl ether	ND	41.7	"
4-Chloro-3-methylphenol	ND	41.7	"
4-Chloroaniline	ND	41.7	"
4-Chlorophenyl phenyl ether	ND	41.7	"
4-Nitroaniline	ND	83.3	"
4-Nitrophenol	ND	83.3	"
Acenaphthene	ND	41.7	"
Acenaphthylene	ND	41.7	"
Acetophenone	ND	41.7	"
Aniline	ND	167	"
Anthracene	ND	41.7	"
Atrazine	ND	41.7	"
Benzaldehyde	ND	41.7	"
Benzidine	ND	167	"
Benzo(a)anthracene	ND	41.7	"
Benzo(a)pyrene	ND	41.7	"
Benzo(b)fluoranthene	ND	41.7	"
Benzo(g,h,i)perylene	ND	41.7	"
Benzo(k)fluoranthene	ND	41.7	"
Benzoic acid	ND	41.7	"
Benzyl alcohol	ND	41.7	"
Benzyl butyl phthalate	ND	41.7	"
Bis(2-chloroethoxy)methane	ND	41.7	"
Bis(2-chloroethyl)ether	ND	41.7	"
Bis(2-chloroisopropyl)ether	ND	41.7	"
Bis(2-ethylhexyl)phthalate	90.3	91.0	"



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 BB81043 - EPA 3550C

Blank (BB81043-BLK1)

Prepared: 02/23/2018 Analyzed: 02/25/2018

Caprolactam	ND	83.3	ug/kg wet
Carbazole	ND	41.7	"
Chrysene	ND	41.7	"
Dibenzo(a,h)anthracene	ND	41.7	"
Dibenzofuran	ND	41.7	"
Diethyl phthalate	ND	41.7	"
Dimethyl phthalate	ND	41.7	"
Di-n-butyl phthalate	ND	41.7	"
Di-n-octyl phthalate	ND	41.7	"
Fluoranthene	ND	41.7	"
Fluorene	ND	41.7	"
Hexachlorobenzene	ND	41.7	"
Hexachlorobutadiene	ND	41.7	"
Hexachlorocyclopentadiene	ND	41.7	"
Hexachloroethane	ND	41.7	"
Indeno(1,2,3-cd)pyrene	ND	41.7	"
Isophorone	ND	41.7	"
Naphthalene	ND	41.7	"
Nitrobenzene	ND	41.7	"
N-Nitrosodimethylamine	ND	41.7	"
N-nitroso-di-n-propylamine	ND	41.7	"
N-Nitrosodiphenylamine	ND	41.7	"
Pentachlorophenol	ND	41.7	"
Phenanthrene	ND	41.7	"
Phenol	ND	41.7	"
Pyrene	ND	41.7	"

Surrogate: 2-Fluorophenol	2020	"	2580	78.3	20-108
Surrogate: Phenol-d5	1920	"	2460	78.2	23-114
Surrogate: Nitrobenzene-d5	1430	"	1720	83.1	22-108
Surrogate: 2-Fluorobiphenyl	1360	"	1670	81.3	21-113
Surrogate: 2,4,6-Tribromophenol	2610	"	2570	101	19-110
Surrogate: Terphenyl-d14	1240	"	1700	73.2	24-116



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 BB81043 - EPA 3550C											
LCS (BB81043-BS1)						Prepared: 02/23/2018 Analyzed: 02/25/2018					
1,1-Biphenyl	762	41.7	ug/kg wet	833		91.4	22-103				
1,2,4,5-Tetrachlorobenzene	609	83.3	"	833		73.1	10-144				
1,2,4-Trichlorobenzene	521	41.7	"	833		62.6	23-130				
1,2-Dichlorobenzene	538	41.7	"	833		64.6	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	743	41.7	"	833		89.2	10-140				
1,3-Dichlorobenzene	532	41.7	"	833		63.9	32-113				
1,4-Dichlorobenzene	525	41.7	"	833		63.0	28-111				
2,3,4,6-Tetrachlorophenol	1400	83.3	"	833		168	30-130	High Bias			
2,4,5-Trichlorophenol	703	41.7	"	833		84.4	14-138				
2,4,6-Trichlorophenol	718	41.7	"	833		86.2	27-122				
2,4-Dichlorophenol	633	41.7	"	833		75.9	23-133				
2,4-Dimethylphenol	620	41.7	"	833		74.4	15-131				
2,4-Dinitrophenol	514	83.3	"	833		61.7	10-149				
2,4-Dinitrotoluene	901	41.7	"	833		108	30-123				
2,6-Dinitrotoluene	783	41.7	"	833		94.0	30-125				
2-Chloronaphthalene	610	41.7	"	833		73.2	22-115				
2-Chlorophenol	643	41.7	"	833		77.2	25-121				
2-Methylnaphthalene	635	41.7	"	833		76.2	16-127				
2-Methylphenol	679	41.7	"	833		81.5	10-146				
2-Nitroaniline	936	83.3	"	833		112	24-126				
2-Nitrophenol	784	41.7	"	833		94.1	17-129				
3- & 4-Methylphenols	559	41.7	"	833		67.1	20-109				
3,3-Dichlorobenzidine	724	41.7	"	833		86.9	10-147				
3-Nitroaniline	755	83.3	"	833		90.6	23-123				
4,6-Dinitro-2-methylphenol	885	83.3	"	833		106	10-149				
4-Bromophenyl phenyl ether	648	41.7	"	833		77.8	30-138				
4-Chloro-3-methylphenol	658	41.7	"	833		79.0	16-138				
4-Chloroaniline	476	41.7	"	833		57.1	10-117				
4-Chlorophenyl phenyl ether	668	41.7	"	833		80.2	18-132				
4-Nitroaniline	796	83.3	"	833		95.6	14-125				
4-Nitrophenol	919	83.3	"	833		110	10-136				
Acenaphthene	720	41.7	"	833		86.4	17-124				
Acenaphthylene	670	41.7	"	833		80.4	16-124				
Acetophenone	607	41.7	"	833		72.8	28-105				
Aniline	539	167	"	833		64.7	10-111				
Anthracene	690	41.7	"	833		82.8	24-124				
Atrazine	673	41.7	"	833		80.7	22-120				
Benzaldehyde	628	41.7	"	833		75.4	21-100				
Benzo(a)anthracene	717	41.7	"	833		86.0	25-134				
Benzo(a)pyrene	617	41.7	"	833		74.0	29-144				
Benzo(b)fluoranthene	634	41.7	"	833		76.1	20-151				
Benzo(g,h,i)perylene	639	41.7	"	833		76.6	10-153				
Benzo(k)fluoranthene	566	41.7	"	833		67.9	10-148				
Benzoic acid	282	41.7	"	967		29.1	10-116				
Benzyl alcohol	611	41.7	"	833		73.4	17-128				
Benzyl butyl phthalate	672	41.7	"	833		80.7	10-132				
Bis(2-chloroethoxy)methane	634	41.7	"	833		76.1	10-129				
Bis(2-chloroethyl)ether	627	41.7	"	833		75.3	14-125				
Bis(2-chloroisopropyl)ether	699	41.7	"	833		83.9	14-122				
Bis(2-ethylhexyl)phthalate	827	91.0	"	833		99.3	10-141				
Caprolactam	632	83.3	"	833		75.9	10-123				



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 BB81043 - EPA 3550C

LCS (BB81043-BS1)

Prepared: 02/23/2018 Analyzed: 02/25/2018

Carbazole	586	41.7	ug/kg wet	833		70.3	31-120				
Chrysene	715	41.7	"	833		85.8	24-116				
Dibenzo(a,h)anthracene	700	41.7	"	833		84.0	17-147				
Dibenzofuran	701	41.7	"	833		84.1	23-123				
Diethyl phthalate	664	41.7	"	833		79.6	23-122				
Dimethyl phthalate	712	41.7	"	833		85.4	28-127				
Di-n-butyl phthalate	742	41.7	"	833		89.0	19-123				
Di-n-octyl phthalate	745	41.7	"	833		89.4	10-132				
Fluoranthene	669	41.7	"	833		80.3	36-125				
Fluorene	719	41.7	"	833		86.3	16-130				
Hexachlorobenzene	432	41.7	"	833		51.8	10-129				
Hexachlorobutadiene	514	41.7	"	833		61.7	22-153				
Hexachlorocyclopentadiene	329	41.7	"	833		39.4	10-134				
Hexachloroethane	511	41.7	"	833		61.4	20-112				
Indeno(1,2,3-cd)pyrene	638	41.7	"	833		76.6	10-155				
Isophorone	533	41.7	"	833		64.0	14-131				
Naphthalene	645	41.7	"	833		77.4	20-121				
Nitrobenzene	569	41.7	"	833		68.3	20-121				
N-Nitrosodimethylamine	487	41.7	"	833		58.5	10-124				
N-nitroso-di-n-propylamine	595	41.7	"	833		71.4	21-119				
N-Nitrosodiphenylamine	904	41.7	"	833		108	10-163				
Pentachlorophenol	625	41.7	"	833		75.0	10-143				
Phenanthrene	690	41.7	"	833		82.8	24-123				
Phenol	674	41.7	"	833		80.9	15-123				
Pyrene	675	41.7	"	833		81.0	24-132				
Surrogate: 2-Fluorophenol	1830		"	2580		71.0	20-108				
Surrogate: Phenol-d5	1750		"	2460		71.0	23-114				
Surrogate: Nitrobenzene-d5	1300		"	1720		75.4	22-108				
Surrogate: 2-Fluorobiphenyl	1250		"	1670		75.0	21-113				
Surrogate: 2,4,6-Tribromophenol	2830		"	2570		110	19-110				
Surrogate: Terphenyl-d14	965		"	1700		56.8	24-116				



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 BB81018 - EPA 3550C

Blank (BB81018-BLK1)

Prepared: 02/22/2018 Analyzed: 02/23/2018

4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	6.60	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Decachlorobiphenyl	48.1		"	69.7		69.0	30-150				
Surrogate: Tetrachloro-m-xylene	53.6		"	67.3		79.6	30-150				

LCS (BB81018-BS1)

Prepared: 02/22/2018 Analyzed: 02/23/2018

4,4'-DDD	27.4	0.330	ug/kg wet	33.3		82.2	40-140				
4,4'-DDE	26.1	0.330	"	33.3		78.2	40-140				
4,4'-DDT	24.6	0.330	"	33.3		73.8	40-140				
Aldrin	29.8	0.330	"	33.3		89.3	40-140				
alpha-BHC	30.7	0.330	"	33.3		92.2	40-140				
alpha-Chlordane	27.3	0.330	"	33.3		81.9	40-140				
beta-BHC	29.8	0.330	"	33.3		89.4	40-140				
delta-BHC	31.5	0.330	"	33.3		94.5	40-140				
Dieldrin	28.8	0.330	"	33.3		86.5	40-140				
Endosulfan I	31.1	0.330	"	33.3		93.3	40-140				
Endosulfan II	28.1	0.330	"	33.3		84.2	40-140				
Endosulfan sulfate	29.0	0.330	"	33.3		86.9	40-140				
Endrin	26.4	0.330	"	33.3		79.1	40-140				
Endrin aldehyde	25.7	0.330	"	33.3		77.1	40-140				
Endrin ketone	28.7	0.330	"	33.3		86.0	40-140				
gamma-BHC (Lindane)	29.4	0.330	"	33.3		88.3	40-140				
gamma-Chlordane	27.6	0.330	"	33.3		82.8	40-140				
Heptachlor	25.2	0.330	"	33.3		75.5	40-140				
Heptachlor epoxide	27.1	0.330	"	33.3		81.4	40-140				
Methoxychlor	21.8	1.65	"	33.3		65.5	40-140				
Surrogate: Decachlorobiphenyl	47.8		"	69.7		68.6	30-150				
Surrogate: Tetrachloro-m-xylene	54.4		"	67.3		80.8	30-150				



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 BB81018 - EPA 3550C

Matrix Spike (BB81018-MS1)		*Source sample: 18B0754-03 (B-02 0-2)						Prepared: 02/22/2018 Analyzed: 02/26/2018			
4,4'-DDD	51.8	1.87	ug/kg dry	37.8	19.6	85.0	30-150				
4,4'-DDE	37.0	1.87	"	37.8	11.6	67.3	30-150				
4,4'-DDT	62.2	1.87	"	37.8	29.6	86.2	30-150				
Aldrin	30.1	1.87	"	37.8	ND	79.7	30-150				
alpha-BHC	27.9	1.87	"	37.8	ND	73.7	30-150				
alpha-Chlordane	55.3	1.87	"	37.8	27.2	74.1	30-150				
beta-BHC	28.6	1.87	"	37.8	ND	75.6	30-150				
delta-BHC	27.2	1.87	"	37.8	ND	71.8	30-150				
Dieldrin	46.7	1.87	"	37.8	16.6	79.3	30-150				
Endosulfan I	29.5	1.87	"	37.8	ND	77.9	30-150				
Endosulfan II	27.1	1.87	"	37.8	ND	71.6	30-150				
Endosulfan sulfate	25.1	1.87	"	37.8	ND	66.3	30-150				
Endrin	30.4	1.87	"	37.8	ND	80.5	30-150				
Endrin aldehyde	24.3	1.87	"	37.8	ND	64.3	30-150				
Endrin ketone	30.4	1.87	"	37.8	ND	80.3	30-150				
gamma-BHC (Lindane)	29.9	1.87	"	37.8	ND	79.0	30-150				
gamma-Chlordane	48.3	1.87	"	37.8	23.2	66.5	30-150				
Heptachlor	28.4	1.87	"	37.8	ND	75.0	30-150				
Heptachlor epoxide	32.4	1.87	"	37.8	ND	85.5	30-150				
Methoxychlor	28.5	9.37	"	37.8	ND	75.3	30-150				
Surrogate: Decachlorobiphenyl	68.0		"	79.1		85.9	30-150				
Surrogate: Tetrachloro-m-xylene	25.3		"	76.4		33.1	30-150				

Matrix Spike Dup (BB81018-MSD1)		*Source sample: 18B0754-03 (B-02 0-2)						Prepared: 02/22/2018 Analyzed: 02/26/2018			
4,4'-DDD	63.0	1.87	ug/kg dry	37.8	19.6	115	30-150	19.6	30		
4,4'-DDE	44.0	1.87	"	37.8	11.6	85.6	30-150	17.2	30		
4,4'-DDT	71.7	1.87	"	37.8	29.6	111	30-150	14.2	30		
Aldrin	30.9	1.87	"	37.8	ND	81.6	30-150	2.44	30		
alpha-BHC	32.1	1.87	"	37.8	ND	84.8	30-150	14.1	30		
alpha-Chlordane	69.9	1.87	"	37.8	27.2	113	30-150	23.4	30		
beta-BHC	32.1	1.87	"	37.8	ND	84.9	30-150	11.6	30		
delta-BHC	31.5	1.87	"	37.8	ND	83.3	30-150	14.9	30		
Dieldrin	59.3	1.87	"	37.8	16.6	113	30-150	23.8	30		
Endosulfan I	32.0	1.87	"	37.8	ND	84.5	30-150	8.16	30		
Endosulfan II	32.4	1.87	"	37.8	ND	85.7	30-150	17.9	30		
Endosulfan sulfate	31.3	1.87	"	37.8	ND	82.7	30-150	22.0	30		
Endrin	34.4	1.87	"	37.8	ND	90.9	30-150	12.1	30		
Endrin aldehyde	34.9	1.87	"	37.8	ND	92.2	30-150	35.7	30	Non-dir.	
Endrin ketone	55.2	1.87	"	37.8	ND	146	30-150	57.9	30	Non-dir.	
gamma-BHC (Lindane)	33.2	1.87	"	37.8	ND	87.8	30-150	10.6	30		
gamma-Chlordane	59.6	1.87	"	37.8	23.2	96.4	30-150	21.0	30		
Heptachlor	31.4	1.87	"	37.8	ND	83.1	30-150	10.2	30		
Heptachlor epoxide	35.5	1.87	"	37.8	ND	93.8	30-150	9.22	30		
Methoxychlor	28.7	9.37	"	37.8	ND	75.9	30-150	0.740	30		
Surrogate: Decachlorobiphenyl	93.5		"	79.1		118	30-150				
Surrogate: Tetrachloro-m-xylene	32.1		"	76.4		42.0	30-150				



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 Y7K2801 - BK71080

Performance Mix (Y7K2801-PEM1)

Prepared & Analyzed: 11/27/2017

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.145		"	0.00			0-200			
4,4'-DDT	124		"	200		61.8	0-200			
Endrin	78.5		"	100		78.5	0-200			
Endrin aldehyde	1.34		"	0.00			0-200			
Endrin ketone	3.33		"	0.00			0-200			

Batch Y8B2601 - BB80761

Performance Mix (Y8B2601-PEM1)

Prepared & Analyzed: 02/23/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.449		"	0.00			0-200			
4,4'-DDT	136		"	200		67.8	0-200			
Endrin	105		"	100		105	0-200			
Endrin aldehyde	3.32		"	0.00			0-200			
Endrin ketone	6.30		"	0.00			0-200			

Batch Y8B2701 - BB81018

Performance Mix (Y8B2701-PEM1)

Prepared & Analyzed: 02/26/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.639		"	0.00			0-200			
4,4'-DDT	107		"	200		53.6	0-200			
Endrin	92.3		"	100		92.3	0-200			
Endrin aldehyde	1.63		"	0.00			0-200			
Endrin ketone	6.29		"	0.00			0-200			



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 Y8B2701 - BB81018

Performance Mix (Y8B2701-PEM2)

Prepared & Analyzed: 02/26/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.832		"	0.00			0-200				
4,4'-DDT	148		"	200		73.9	0-200				
Endrin	113		"	100		113	0-200				
Endrin aldehyde	1.41		"	0.00			0-200				
Endrin ketone	7.62		"	0.00			0-200				



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 BB81018 - EPA 3550C

Blank (BB81018-BLK2)

Prepared: 02/22/2018 Analyzed: 02/23/2018

Aroclor 1016	ND	0.0167	mg/kg wet
Aroclor 1221	ND	0.0167	"
Aroclor 1232	ND	0.0167	"
Aroclor 1242	ND	0.0167	"
Aroclor 1248	ND	0.0167	"
Aroclor 1254	ND	0.0167	"
Aroclor 1260	ND	0.0167	"
Total PCBs	ND	0.0167	"

Surrogate: Tetrachloro-m-xylene

0.0533

"

0.0673

79.2

30-140

Surrogate: Decachlorobiphenyl

0.0513

"

0.0697

73.7

30-140

LCS (BB81018-BS2)

Prepared: 02/22/2018 Analyzed: 02/23/2018

Aroclor 1016	0.336	0.0167	mg/kg wet	0.333	101	40-130
Aroclor 1260	0.346	0.0167	"	0.333	104	40-130

Surrogate: Tetrachloro-m-xylene

0.0537

"

0.0673

79.7

30-140

Surrogate: Decachlorobiphenyl

0.0557

"

0.0697

79.9

30-140



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 BB80931 - EPA 3050B

Blank (BB80931-BLK1)

Prepared: 02/21/2018 Analyzed: 02/27/2018

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	2.00	"
Iron	ND	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	ND	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	2.50	2.50	"

Reference (BB80931-SRM1)

Prepared: 02/21/2018 Analyzed: 02/27/2018

Aluminum	8140	5.00	mg/kg wet	8040	101	39.4-160.5
Antimony	101	0.500	"	91.4	111	25.1-275.7
Arsenic	158	1.00	"	146	108	69.9-132.9
Barium	107	1.00	"	102	105	71.5-136.3
Beryllium	147	0.100	"	134	110	75.4-138.1
Cadmium	69.2	0.300	"	63.2	110	73.3-141.5
Calcium	6350	5.00	"	5930	107	73.7-136.1
Chromium	96.3	0.500	"	89.3	108	69.1-143.3
Cobalt	135	0.500	"	119	114	74.6-142
Copper	71.7	2.00	"	60.8	118	72.7-141.6
Iron	14900	2.00	"	14400	103	35.6-163.9
Lead	106	0.500	"	98.5	108	70.8-137.1
Magnesium	2700	5.00	"	2580	105	63.6-136.1
Manganese	426	0.500	"	370	115	75.7-134.3
Nickel	78.2	0.500	"	66.6	117	70.7-146.3
Potassium	2190	5.00	"	2340	93.5	59.8-140.2
Selenium	137	1.00	"	136	101	67.1-136.8
Silver	50.4	0.500	"	48.9	103	66.5-139.5
Sodium	340	10.0	"	318	107	40.6-159.8
Thallium	148	1.00	"	138	107	68-136.2
Vanadium	73.8	1.00	"	69.7	106	58.9-141.8
Zinc	192	2.50	"	177	108	69.5-131.1



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 BB80929 - EPA 7473 soil

Blank (BB80929-BLK1)

Prepared & Analyzed: 02/21/2018

Mercury	ND	0.0300	mg/kg wet

Reference (BB80929-SRM1)

Prepared & Analyzed: 02/21/2018

Mercury	11.266		mg/kg	13.8		81.6	57.1-143.5



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18B0754-01	B-01 0-2	40mL Vial with Stir Bar-Cool 4° C
18B0754-02	B-01 5-7	40mL Vial with Stir Bar-Cool 4° C
18B0754-03	B-02 0-2	40mL Vial with Stir Bar-Cool 4° C
18B0754-04	B-02 12-14	40mL Vial with Stir Bar-Cool 4° C
18B0754-05	B-03 0-2	40mL Vial with Stir Bar-Cool 4° C
18B0754-06	B-03 4-6	40mL Vial with Stir Bar-Cool 4° C
18B0754-07	B-04 0-2	40mL Vial with Stir Bar-Cool 4° C
18B0754-08	B-04 4-6	40mL Vial with Stir Bar-Cool 4° C
18B0754-09	B-05 0-2	40mL Vial with Stir Bar-Cool 4° C
18B0754-10	B-05 4-6	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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



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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRAITFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 2

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. **1880754**

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company: WCD Group	☒ SAME	☒ SAME	☒ X	Name: Richard	Name: Brenda	BB17076	RUSH-Same Day	Summary Report	X		
Address: 24 Davis Avenue				Company:	Company:		RUSH-Next Day	QA Report			
Phone: 845-452-1658				Address:	Address:		RUSH-Two Day	CT RCP			
Contact: Richard Hooker				E-mail:	E-mail:		RUSH-Three Day	CT RCP DQA/DUE Pkg			
E-mail:							RUSH-Four Day	NY ASP A Package			
							Standard (5-7 day)	NY ASP B Package			
								NJDEP Reduced Deliv			

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		Matrix Codes	
S - soil	Other - specify (oil, ac)	Volatiles	Metals
WW - wastewater	GW - groundwater	8260 full	RCRA8
DW - drinking water	Air - A - ambient air	624	STAR5 list
Air-SV - soil vapor		STAR5 list	BN Only
		BTEX	Acids Only
		MTBE	PAH list
		TCL list	TAGM list
		TAGM list	CT RCP list
		CT RCP list	TCL list
		Arcom. only	NJDEP list
		Halogen. only	App. IX
		App. IX list	TCLP BNA
		8021B list	SPLP or TCLP

Sample Identification		Date/Time Sampled	Matrix	Analysis Requested (List above includes common analysis)		Container Description
B-01 0-2	2/16/2018	S	VOCs 8260, SVOCs 8270, Pesticides/PCBs, TAL Metals		1x8oz jar, 1xVOA kit	
B-01 5-7						
B-02 0-2						
B-02 12-14						
B-03 0-2						
B-03 4-6						
B-04 0-2						
B-04 4-6						

Comments:		Preservation (check all applicable)		Special Instructions		Temperature on Receipt	
VOA kits frozen after collection		4°C	Frozen	HCl	MeOH	HNO ₃	NaOH
		ZnAc	Ascorbic Acid	Other			
				Samples Relinquished By		Date/Time	
				Samples Relinquished By		Date/Time	
				Samples Received By		Date/Time	
				Samples Received in LAB by		Date/Time	

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
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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.

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type			
Company: WCD Group		☒ SAME	☒ Richard	☒ SAME	☒ Brenda	BB17076		RUSH-Same Day	Summary Report	☒ X			
Address: 24 Davis Avenue		Name:		Name:				RUSH-Next Day	QA Report				
Phone: 845-452-1658		Company:		Company:		Purchase Order #		RUSH-Two Day	CT RCP				
Contact: Richard Hooker		Address:		Address:		BB17076.40		RUSH-Three Day	CT RCP DQA/DUE Pkg				
E-mail:		E-mail:		Samples from CT_NY_X_NJ				RUSH-Four Day	NY ASP A Package				
								Standard (5-7day)	NY ASP B Package				
									NJDEP Reduced Deliv				
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.													
<i>[Signature]</i> Samples Collected/Authorized By (Signature) <i>Tyler Goodnough</i> 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 8260 full TIC's 624 Site Spec. STARS list Nassau Co. BTEX Suffolk Co. Ketones Oxygenates TC list TAGM list CT RCP list Atom. only Halog. only App IX list 8021B list		Semi-Vols. Per PCB Effluent 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TC list NJDEP list App. IX Chlordane TCPLP BNA 608 PCB		Metals RCRA8 PPI3 list TAL CT15 list TAGM list NJDEP list Air TO14A Air TO15 Air STARS SPT or TCPLP Air VPH Air TICs Methane Helium		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS SPT or TCPLP Air TICs Methane Helium		Full Lists Ph. Poll. TCL Organics TAL MetCN Full TCPLP Full App IX Part 360-E-1 Part 360-E-2 Part 360-E-3 Part 360-E-4 Part 360-E-5 Part 360-E-6 Part 360-E-7 Part 360-E-8 Part 360-E-9 Part 360-E-10 Part 360-E-11 Part 360-E-12 Part 360-E-13 Part 360-E-14 Part 360-E-15 Part 360-E-16 Part 360-E-17 Part 360-E-18 Part 360-E-19 Part 360-E-20 Part 360-E-21 Part 360-E-22 Part 360-E-23 Part 360-E-24 Part 360-E-25 Part 360-E-26 Part 360-E-27 Part 360-E-28 Part 360-E-29 Part 360-E-30 Part 360-E-31 Part 360-E-32 Part 360-E-33 Part 360-E-34 Part 360-E-35 Part 360-E-36 Part 360-E-37 Part 360-E-38 Part 360-E-39 Part 360-E-40 Part 360-E-41 Part 360-E-42 Part 360-E-43 Part 360-E-44 Part 360-E-45 Part 360-E-46 Part 360-E-47 Part 360-E-48 Part 360-E-49 Part 360-E-50 Part 360-E-51 Part 360-E-52 Part 360-E-53 Part 360-E-54 Part 360-E-55 Part 360-E-56 Part 360-E-57 Part 360-E-58 Part 360-E-59 Part 360-E-60 Part 360-E-61 Part 360-E-62 Part 360-E-63 Part 360-E-64 Part 360-E-65 Part 360-E-66 Part 360-E-67 Part 360-E-68 Part 360-E-69 Part 360-E-70 Part 360-E-71 Part 360-E-72 Part 360-E-73 Part 360-E-74 Part 360-E-75 Part 360-E-76 Part 360-E-77 Part 360-E-78 Part 360-E-79 Part 360-E-80 Part 360-E-81 Part 360-E-82 Part 360-E-83 Part 360-E-84 Part 360-E-85 Part 360-E-86 Part 360-E-87 Part 360-E-88 Part 360-E-89 Part 360-E-90 Part 360-E-91 Part 360-E-92 Part 360-E-93 Part 360-E-94 Part 360-E-95 Part 360-E-96 Part 360-E-97 Part 360-E-98 Part 360-E-99 Part 360-E-100	
OTHER: _____													
Container Description 1x8oz jar, 1xVOA kit													
Analysis Requested (List above includes common analysis) VOCs 8260, SVOCs 8270, Pesticides/PCBs, TAL Metals													
Sample Identification B-05 0-2 B-05 4-6		Date+Time Sampled 2/16/2018		Matrix S		Preservation (check all applicable) 4°C _____ Frozen _____ MeOH _____ Ascorbic Acid _____ HCl _____ ZnAc _____ HNO₃ _____ Other _____		NaOH _____		Temperature on Receipt 0.7°C			
Comments: VOA kits from after collection													
Samples Relinquished By _____ Date/Time _____ Samples Relinquished By _____ Date/Time _____ Samples Relinquished By _____ Date/Time _____													



Technical Report

prepared for:

WCD Group - Poughkeepsie NY

24 Davis Avenue

Poughkeepsie NY, 12603

Attention: Richard Hooker

Report Date: 03/07/2018

Client Project ID: BB17076

York Project (SDG) No.: 18B1069

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

Report Date: 03/07/2018
Client Project ID: BB17076
York Project (SDG) No.: 18B1069

WCD Group - Poughkeepsie NY
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

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 February 28, 2018 and listed below. The project was identified as your project: **BB17076**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18B1069-01	MW-02 20180227	Water	02/27/2018	02/28/2018
18B1069-02	MW-03 20180227	Water	02/27/2018	02/28/2018
18B1069-03	MW-04 20180227	Water	02/27/2018	02/28/2018
18B1069-04	MW-09 20180227	Water	02/27/2018	02/28/2018
18B1069-05	TB-20180227	Water	02/27/2018	02/28/2018

General Notes for York Project (SDG) No.: 18B1069

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 03/07/2018





Sample Information

Client Sample ID: MW-02 20180227

York Sample ID: 18B1069-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B1069

BB17076

Water

February 27, 2018 3:00 pm

02/28/2018

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,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	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,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS



Sample Information

Client Sample ID: MW-02 20180227

York Sample ID: 18B1069-01

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

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February 27, 2018 3:00 pm

Date Received

02/28/2018

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
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
67-66-3	Chloroform	0.54		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS



Sample Information

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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
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	0.40	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	25	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
127-18-4	Tetrachloroethylene	2.1	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
79-01-6	Trichloroethylene	0.88		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:06	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 07:30	03/05/2018 13:06	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	69-130								



Sample Information

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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
2037-26-5	Surrogate: Toluene-d8	97.2 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			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	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH



Sample Information

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Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
83-32-9	Acenaphthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
120-12-7	Anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
1912-24-9	Atrazine	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
92-87-5	Benzidine	ND		ug/L	11.4	22.9	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR



Sample Information

Client Sample ID: MW-02 20180227

York Sample ID: 18B1069-01

York Project (SDG) No.
18B1069

Client Project ID
BB17076

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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
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:10	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:10	SR
65-85-0	Benzoic acid	ND		ug/L	28.6	57.1	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.571		ug/L	0.571	0.571	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:10	SR
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
218-01-9	Chrysene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:10	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:10	SR
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH
206-44-0	Fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:10	SR
86-73-7	Fluorene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:10	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	0.0229	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:10	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:10	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:05	KH



Sample Information

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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
67-72-1	Hexachloroethane	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
91-20-3	Naphthalene	0.0686		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
98-95-3	Nitrobenzene	ND		ug/L	0.286	0.286	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
87-86-5	Pentachlorophenol	0.537		ug/L	0.286	0.286	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
85-01-8	Phenanthrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:05	KH
129-00-0	Pyrene	0.126		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:10	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	37.3 %	19.7-63.1								
4165-62-2	Surrogate: Phenol-d5	21.8 %	10.1-41.7								
4165-60-0	Surrogate: Nitrobenzene-d5	81.2 %	50.2-113								
321-60-8	Surrogate: 2-Fluorobiphenyl	87.4 %	39.9-105								
118-79-6	Surrogate: 2,4,6-Tribromophenol	103 %	39.3-151								
1718-51-0	Surrogate: Terphenyl-d14	66.0 %	30.7-106								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 11:39	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	85.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.7 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

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



Sample Information

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Polychlorinated Biphenyls (PCB)

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:01	SA
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:01	SA
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:01	SA
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:01	SA
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:01	SA
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:01	SA
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:01	SA
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	03/02/2018 07:29	03/07/2018 09:01	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	60.4 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	78.5 %	30-120							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.078		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-36-0	Antimony	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-39-3	Barium	0.138		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-70-2	Calcium	154		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-47-3	Chromium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-48-4	Cobalt	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML



Sample Information

Client Sample ID: MW-02 20180227

York Sample ID: 18B1069-01

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	0.010		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7439-89-6	Iron	0.151	B	mg/L	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7439-92-1	Lead	0.005		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7439-95-4	Magnesium	64.1		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7439-96-5	Manganese	0.703		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-02-0	Nickel	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-09-7	Potassium	8.29		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7782-49-2	Selenium	0.088		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-22-4	Silver	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-23-5	Sodium	168		mg/L	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-28-0	Thallium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-62-2	Vanadium	ND		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML
7440-66-6	Zinc	ND		mg/L	0.015	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:34	KML

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.064		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-36-0	Antimony	0.008		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-39-3	Barium	0.139		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-70-2	Calcium	155		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML



Sample Information

Client Sample ID: MW-02 20180227

York Sample ID: 18B1069-01

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

Collection Date/Time

February 27, 2018 3:00 pm

Date Received

02/28/2018

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-48-4	Cobalt	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-50-8	Copper	0.010		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7439-89-6	Iron	0.163		mg/L	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7439-92-1	Lead	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7439-95-4	Magnesium	64.4		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7439-96-5	Manganese	0.707		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-02-0	Nickel	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-09-7	Potassium	8.32	B	mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7782-49-2	Selenium	0.092		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-22-4	Silver	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-23-5	Sodium	168	B	mg/L	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-28-0	Thallium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-62-2	Vanadium	ND		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML
7440-66-6	Zinc	0.022		mg/L	0.015	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:01	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2018 09:28	03/07/2018 12:02	RQB

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 08:41	03/02/2018 12:50	SY



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	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,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-15-0	Carbon disulfide	0.28	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
67-66-3	Chloroform	1.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
156-59-2	cis-1,2-Dichloroethylene	0.42	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-65-0	tert-Butyl alcohol (TBA)	3.2	J	ug/L	0.50	25	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
127-18-4	Tetrachloroethylene	3.6	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
156-60-5	trans-1,2-Dichloroethylene	0.30	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
79-01-6	Trichloroethylene	0.93		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2018 07:30	03/05/2018 13:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2018 07:30	03/05/2018 13:38	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.5 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
83-32-9	Acenaphthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:42	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:42	SR
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
120-12-7	Anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:42	SR
1912-24-9	Atrazine	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:42	SR
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
92-87-5	Benzidine	ND		ug/L	10.8	21.6	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:42	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:42	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:42	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:42	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 09:42	SR
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 21:54	KH



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
206-44-0	Fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	0.0216	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
91-20-3	Naphthalene	0.108		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

Collection Date/Time

February 27, 2018 3:00 pm

Date Received

02/28/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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
98-95-3	Nitrobenzene	ND		ug/L	0.270	0.270	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	0.270	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
85-01-8	Phenanthrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 21:54	KH
129-00-0	Pyrene	0.0865		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 09:42	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	28.4 %		19.7-63.1							
4165-62-2	Surrogate: Phenol-d5	16.1 %		10.1-41.7							
4165-60-0	Surrogate: Nitrobenzene-d5	77.3 %		50.2-113							
321-60-8	Surrogate: 2-Fluorobiphenyl	78.1 %		39.9-105							
118-79-6	Surrogate: 2,4,6-Tribromophenol	76.3 %		39.3-151							
1718-51-0	Surrogate: Terphenyl-d14	54.4 %		30.7-106							

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
309-00-2	Aldrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
319-84-6	alpha-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
319-85-7	beta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
57-74-9	Chlordane, total	ND		ug/L	0.0229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

Collection Date/Time

February 27, 2018 3:00 pm

Date Received

02/28/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 12:54	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	68.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	78.0 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:17	SA
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:17	SA
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:17	SA
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:17	SA



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:17	SA
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:17	SA
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:17	SA
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A Certifications:	03/02/2018 07:29	03/07/2018 09:17	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	69.3 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	60.8 %		30-120						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-36-0	Antimony	0.007		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-39-3	Barium	0.164		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-70-2	Calcium	159		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-47-3	Chromium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-48-4	Cobalt	0.006		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-50-8	Copper	0.010		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7439-89-6	Iron	0.120	B	mg/L	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7439-92-1	Lead	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7439-95-4	Magnesium	66.5		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7439-96-5	Manganese	1.18		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

Collection Date/Time

February 27, 2018 3:00 pm

Date Received

02/28/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-09-7	Potassium	6.45		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7782-49-2	Selenium	0.087		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-22-4	Silver	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-23-5	Sodium	233		mg/L	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-28-0	Thallium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-62-2	Vanadium	ND		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML
7440-66-6	Zinc	ND		mg/L	0.015	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:37	KML

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-36-0	Antimony	0.006		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-39-3	Barium	0.164		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-70-2	Calcium	162		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-47-3	Chromium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-48-4	Cobalt	0.005		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-50-8	Copper	0.010		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7439-89-6	Iron	0.151		mg/L	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7439-92-1	Lead	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML



Sample Information

Client Sample ID: MW-03 20180227

York Sample ID: 18B1069-02

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

Collection Date/Time

February 27, 2018 3:00 pm

Date Received

02/28/2018

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	67.8		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7439-96-5	Manganese	1.16		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-02-0	Nickel	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-09-7	Potassium	6.86	B	mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7782-49-2	Selenium	0.088		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-22-4	Silver	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-23-5	Sodium	229	B	mg/L	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-28-0	Thallium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-62-2	Vanadium	ND		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML
7440-66-6	Zinc	0.024		mg/L	0.015	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:08	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2018 09:28	03/07/2018 12:02	RQB

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 08:41	03/02/2018 12:58	SY

Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

Collection Date/Time

February 27, 2018 3:00 pm

Date Received

02/28/2018



Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
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,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS



Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
67-66-3	Chloroform	0.62		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS



Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
127-18-4	Tetrachloroethylene	2.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
79-01-6	Trichloroethylene	0.48	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 14:46	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/02/2018 07:30	03/02/2018 14:46	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	79-122								



Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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	03/01/2018 08:31	03/06/2018 22:43	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH



Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 10:13	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 10:13	SR
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 10:13	SR
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/02/2018 10:13	SR
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 10:13	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 10:13	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 10:13	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 10:13	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	03/01/2018 08:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 10:13	SR
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	03/01/2018 08:31 NELAC-NY10854,NJDEP,PADEP	03/06/2018 22:43	KH



Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

Collection Date/Time

February 27, 2018 3:00 pm

Date Received

02/28/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
117-81-7	Bis(2-ethylhexyl)phthalate	1.21		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	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	03/01/2018 08:31	03/02/2018 10:13	SR
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR



Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	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	03/01/2018 08:31	03/06/2018 22:43	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 22:43	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:13	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	30.7 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	16.4 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	65.7 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	75.0 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	77.2 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	54.4 %			30.7-106						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:09	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	75.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	75.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:33	SA
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:33	SA
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:33	SA
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:33	SA



Sample Information

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:33	SA
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:33	SA
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:33	SA
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	03/02/2018 07:29	03/07/2018 09:33	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.3 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	74.2 %		30-120						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-36-0	Antimony	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-39-3	Barium	0.097		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-70-2	Calcium	121		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-47-3	Chromium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-48-4	Cobalt	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-50-8	Copper	0.008		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7439-89-6	Iron	0.232	B	mg/L	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7439-92-1	Lead	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7439-95-4	Magnesium	52.0		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7439-96-5	Manganese	0.243		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML



Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-09-7	Potassium	5.31		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7782-49-2	Selenium	0.077		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-22-4	Silver	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-23-5	Sodium	185		mg/L	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-28-0	Thallium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-62-2	Vanadium	ND		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML
7440-66-6	Zinc	ND		mg/L	0.015	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:39	KML

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.087		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-36-0	Antimony	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-39-3	Barium	0.095		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-70-2	Calcium	119		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-47-3	Chromium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-48-4	Cobalt	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-50-8	Copper	0.007		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7439-89-6	Iron	0.104		mg/L	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7439-92-1	Lead	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML



Sample Information

Client Sample ID: MW-04 20180227

York Sample ID: 18B1069-03

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

Collection Date/Time

February 27, 2018 3:00 pm

Date Received

02/28/2018

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	50.6		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7439-96-5	Manganese	0.240		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-02-0	Nickel	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-09-7	Potassium	5.12	B	mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7782-49-2	Selenium	0.075		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-22-4	Silver	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-23-5	Sodium	172	B	mg/L	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-28-0	Thallium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-62-2	Vanadium	ND		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML
7440-66-6	Zinc	ND		mg/L	0.015	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:11	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2018 09:28	03/07/2018 12:02	RQB

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 08:41	03/02/2018 13:09	SY

Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.

18B1069

Client Project ID

BB17076

Matrix

Water

Collection Date/Time

February 27, 2018 3:00 pm

Date Received

02/28/2018



Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
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,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS



Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
67-66-3	Chloroform	0.35	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS



Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:13	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/02/2018 07:30	03/02/2018 15:13	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.9 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								



Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH



Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH



Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.800		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR



Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/06/2018 23:32	KH
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/01/2018 08:31	03/02/2018 10:45	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	31.0 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	16.4 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	66.0 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	74.4 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	79.8 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	57.4 %			30.7-106						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA



Sample Information

Client Sample ID: MW-09 20180227

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York Project (SDG) No.
18B1069

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Date Received
02/28/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 07:29	03/06/2018 13:24	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	72.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.4 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:50	SA
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:50	SA
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:50	SA
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:50	SA



Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:50	SA
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:50	SA
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/02/2018 07:29	03/07/2018 09:50	SA
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	03/02/2018 07:29	03/07/2018 09:50	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.2 %								
2051-24-3	Surrogate: Decachlorobiphenyl	68.4 %								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-36-0	Antimony	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-38-2	Arsenic	0.005		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-39-3	Barium	0.371		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-70-2	Calcium	206		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-47-3	Chromium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-48-4	Cobalt	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-50-8	Copper	0.010		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7439-89-6	Iron	0.138	B	mg/L	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7439-92-1	Lead	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7439-95-4	Magnesium	79.2		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7439-96-5	Manganese	1.39		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML



Sample Information

Client Sample ID: MW-09 20180227

York Sample ID: 18B1069-04

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-09-7	Potassium	8.06		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7782-49-2	Selenium	0.107		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-22-4	Silver	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-23-5	Sodium	443		mg/L	1.00	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/07/2018 15:35	KML
7440-28-0	Thallium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-62-2	Vanadium	ND		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML
7440-66-6	Zinc	ND		mg/L	0.015	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:03	03/06/2018 18:42	KML

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-36-0	Antimony	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-39-3	Barium	0.371		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-70-2	Calcium	212		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-47-3	Chromium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-48-4	Cobalt	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-50-8	Copper	0.011		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7439-89-6	Iron	0.058		mg/L	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7439-92-1	Lead	0.005		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML



Sample Information

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Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	79.1		mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7439-96-5	Manganese	1.41		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-02-0	Nickel	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-09-7	Potassium	8.04	B	mg/L	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7782-49-2	Selenium	0.103		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-22-4	Silver	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-23-5	Sodium	426	B	mg/L	1.00	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/07/2018 15:37	KML
7440-28-0	Thallium	ND		mg/L	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-62-2	Vanadium	ND		mg/L	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML
7440-66-6	Zinc	ND		mg/L	0.015	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2018 09:15	03/06/2018 18:13	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2018 09:28	03/07/2018 12:02	RQB

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/02/2018 08:41	03/02/2018 13:20	SY

Sample Information

Client Sample ID: TB-20180227

York Sample ID: 18B1069-05

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018



Sample Information

Client Sample ID: TB-20180227

York Sample ID: 18B1069-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B1069

BB17076

Water

February 27, 2018 3:00 pm

02/28/2018

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,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
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,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS



Sample Information

Client Sample ID: TB-20180227

York Sample ID: 18B1069-05

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS



Sample Information

Client Sample ID: TB-20180227

York Sample ID: 18B1069-05

York Project (SDG) No.
18B1069

Client Project ID
BB17076

Matrix
Water

Collection Date/Time
February 27, 2018 3:00 pm

Date Received
02/28/2018

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,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-09-2	Methylene chloride	5.8	SCAL- E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/02/2018 07:30	03/02/2018 15:40	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/02/2018 07:30	03/02/2018 15:40	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.0 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								



Sample Information

Client Sample ID: TB-20180227

York Sample ID: 18B1069-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18B1069

BB17076

Water

February 27, 2018 3:00 pm

02/28/2018



Analytical Batch Summary

Batch ID: BC80014

Preparation Method: EPA 3510C

Prepared By: KNK

YORK Sample ID	Client Sample ID	Preparation Date
18B1069-01	MW-02 20180227	03/01/18
18B1069-02	MW-03 20180227	03/01/18
18B1069-03	MW-04 20180227	03/01/18
18B1069-04	MW-09 20180227	03/01/18
BC80014-BLK1	Blank	03/01/18
BC80014-BLK2	Blank	03/01/18
BC80014-BS1	LCS	03/01/18
BC80014-BS2	LCS	03/01/18
BC80014-BSD1	LCS Dup	03/01/18

Batch ID: BC80073

Preparation Method: EPA SW846-3510C Low Level

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
18B1069-01	MW-02 20180227	03/02/18
18B1069-01	MW-02 20180227	03/02/18
18B1069-02	MW-03 20180227	03/02/18
18B1069-02	MW-03 20180227	03/02/18
18B1069-03	MW-04 20180227	03/02/18
18B1069-03	MW-04 20180227	03/02/18
18B1069-04	MW-09 20180227	03/02/18
18B1069-04	MW-09 20180227	03/02/18
BC80073-BLK1	Blank	03/02/18
BC80073-BLK2	Blank	03/02/18
BC80073-BS1	LCS	03/02/18
BC80073-BS2	LCS	03/02/18
BC80073-BSD1	LCS Dup	03/02/18
BC80073-BSD2	LCS Dup	03/02/18

Batch ID: BC80083

Preparation Method: EPA 7473 water

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18B1069-01	MW-02 20180227	03/02/18
18B1069-02	MW-03 20180227	03/02/18
18B1069-03	MW-04 20180227	03/02/18
18B1069-04	MW-09 20180227	03/02/18
BC80083-BLK1	Blank	03/02/18
BC80083-SRM1	Reference	03/02/18

Batch ID: BC80090

Preparation Method: EPA 5030B

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18B1069-03	MW-04 20180227	03/02/18
18B1069-04	MW-09 20180227	03/02/18
18B1069-05	TB-20180227	03/02/18



BC80090-BLK1	Blank	03/02/18
BC80090-BS1	LCS	03/02/18
BC80090-BSD1	LCS Dup	03/02/18

Batch ID: BC80143 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18B1069-01	MW-02 20180227	03/05/18
18B1069-02	MW-03 20180227	03/05/18
BC80143-BLK1	Blank	03/05/18
BC80143-BS1	LCS	03/05/18
BC80143-BSD1	LCS Dup	03/05/18

Batch ID: BC80207 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18B1069-01	MW-02 20180227	03/06/18
18B1069-02	MW-03 20180227	03/06/18
18B1069-03	MW-04 20180227	03/06/18
18B1069-04	MW-09 20180227	03/06/18
18B1069-04RE1	MW-09 20180227	03/06/18
BC80207-BLK1	Blank	03/06/18
BC80207-SRM1	Reference	03/06/18

Batch ID: BC80209 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18B1069-01	MW-02 20180227	03/06/18
18B1069-02	MW-03 20180227	03/06/18
18B1069-03	MW-04 20180227	03/06/18
18B1069-04	MW-09 20180227	03/06/18
18B1069-04RE1	MW-09 20180227	03/06/18
BC80209-BLK1	Blank	03/06/18
BC80209-DUP1	Duplicate	03/06/18
BC80209-MS1	Matrix Spike	03/06/18
BC80209-SRM1	Reference	03/06/18

Batch ID: BC80283 **Preparation Method:** EPA 7473 water **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
18B1069-01	MW-02 20180227	03/07/18
18B1069-02	MW-03 20180227	03/07/18
18B1069-03	MW-04 20180227	03/07/18
18B1069-04	MW-09 20180227	03/07/18
BC80283-BLK1	Blank	03/07/18
BC80283-DUP1	Duplicate	03/07/18
BC80283-MS1	Matrix Spike	03/07/18
BC80283-SRM1	Reference	03/07/18





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 BC80090 - EPA 5030B											
Blank (BC80090-BLK1)										Prepared & Analyzed: 03/02/2018	
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	"								



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 BC80090 - EPA 5030B

Blank (BC80090-BLK1)

Prepared & Analyzed: 03/02/2018

n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
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	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	9.61		"	10.0		96.1	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				

LCS (BC80090-BS1)

Prepared & Analyzed: 03/02/2018

1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	10		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	9.6		"	10.0		96.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.9		"	10.0		89.3	54-165				
1,1,2-Trichloroethane	9.5		"	10.0		95.4	82-123				
1,1-Dichloroethane	10		"	10.0		101	82-129				
1,1-Dichloroethylene	9.9		"	10.0		99.2	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		109	76-136				
1,2,3-Trichloropropane	9.8		"	10.0		97.9	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		104	76-137				
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	9.6		"	10.0		96.4	45-147				
1,2-Dibromoethane	10		"	10.0		101	83-124				
1,2-Dichlorobenzene	9.6		"	10.0		96.5	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	9.4		"	10.0		93.9	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		99.9	80-131				
1,3-Dichlorobenzene	10		"	10.0		101	86-122				
1,4-Dichlorobenzene	9.9		"	10.0		98.6	85-124				
1,4-Dioxane	240		"	210		115	10-349				
2-Butanone	11		"	10.0		107	49-152				
2-Hexanone	11		"	10.0		110	51-146				
4-Methyl-2-pentanone	9.2		"	10.0		91.5	57-145				
Acetone	14		"	10.0		142	14-150				
Acrolein	9.5		"	10.0		95.2	10-153				
Acrylonitrile	9.6		"	10.0		95.8	51-150				
Benzene	10		"	10.0		103	85-126				
Bromochloromethane	9.6		"	10.0		95.5	77-128				
Bromodichloromethane	9.7		"	10.0		97.0	79-128				



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 BC80090 - EPA 5030B

LCS (BC80090-BS1)

Prepared & Analyzed: 03/02/2018

Bromoform	10		ug/L	10.0		100	78-133				
Bromomethane	7.2		"	10.0		72.5	43-168				
Carbon disulfide	10		"	10.0		100	68-146				
Carbon tetrachloride	10		"	10.0		104	77-141				
Chlorobenzene	9.9		"	10.0		99.2	88-120				
Chloroethane	10		"	10.0		102	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	8.4		"	10.0		84.0	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		103	80-131				
Cyclohexane	10		"	10.0		102	63-149				
Dibromochloromethane	10		"	10.0		100	80-130				
Dibromomethane	9.6		"	10.0		96.1	72-134				
Dichlorodifluoromethane	9.4		"	10.0		94.2	44-144				
Ethyl Benzene	10		"	10.0		103	80-131				
Hexachlorobutadiene	7.9		"	10.0		79.1	67-146				
Isopropylbenzene	10		"	10.0		104	76-140				
Methyl acetate	8.9		"	10.0		88.7	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135				
Methylcyclohexane	9.7		"	10.0		97.1	72-143				
Methylene chloride	8.7		"	10.0		87.0	55-137				
n-Butylbenzene	9.5		"	10.0		94.6	79-132				
n-Propylbenzene	10		"	10.0		100	78-133				
o-Xylene	10		"	10.0		102	78-130				
p- & m- Xylenes	21		"	20.0		106	77-133				
p-Isopropyltoluene	10		"	10.0		101	81-136				
sec-Butylbenzene	9.8		"	10.0		98.1	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	10		"	50.0		20.7	25-162	Low Bias			
tert-Butylbenzene	10		"	10.0		100	77-138				
Tetrachloroethylene	9.7		"	10.0		96.7	82-131				
Toluene	10		"	10.0		100	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		100	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		102	78-131				
Trichloroethylene	9.8		"	10.0		97.6	82-128				
Trichlorofluoromethane	10		"	10.0		101	67-139				
Vinyl Chloride	10		"	10.0		102	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	69-130				
Surrogate: Toluene-d8	9.78		"	10.0		97.8	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	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 BC80090 - EPA 5030B											
LCS Dup (BC80090-BSD1)						Prepared & Analyzed: 03/02/2018					
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		106	82-126		3.06	30	
1,1,1-Trichloroethane	11		"	10.0		107	78-136		3.04	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		106	76-129		9.31	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.6		"	10.0		85.5	54-165		4.35	30	
1,1,2-Trichloroethane	10		"	10.0		102	82-123		6.20	30	
1,1-Dichloroethane	10		"	10.0		105	82-129		3.79	30	
1,1-Dichloroethylene	9.6		"	10.0		95.8	68-138		3.49	30	
1,2,3-Trichlorobenzene	12		"	10.0		118	76-136		8.54	30	
1,2,3-Trichloropropane	11		"	10.0		108	77-128		9.53	30	
1,2,4-Trichlorobenzene	11		"	10.0		112	76-137		8.14	30	
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132		4.45	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		107	45-147		10.8	30	
1,2-Dibromoethane	11		"	10.0		106	83-124		4.84	30	
1,2-Dichlorobenzene	10		"	10.0		102	79-123		5.74	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		4.81	30	
1,2-Dichloropropane	9.8		"	10.0		97.8	78-126		4.07	30	
1,3,5-Trimethylbenzene	10		"	10.0		104	80-131		4.21	30	
1,3-Dichlorobenzene	11		"	10.0		107	86-122		5.28	30	
1,4-Dichlorobenzene	10		"	10.0		103	85-124		3.98	30	
1,4-Dioxane	490		"	210		233	10-349		68.2	30	Non-dir.
2-Butanone	11		"	10.0		106	49-152		0.656	30	
2-Hexanone	11		"	10.0		114	51-146		4.29	30	
4-Methyl-2-pentanone	10		"	10.0		100	57-145		8.98	30	
Acetone	15		"	10.0		145	14-150		2.02	30	
Acrolein	10		"	10.0		101	10-153		5.62	30	
Acrylonitrile	11		"	10.0		106	51-150		10.5	30	
Benzene	11		"	10.0		106	85-126		2.96	30	
Bromochloromethane	10		"	10.0		100	77-128		5.00	30	
Bromodichloromethane	10		"	10.0		101	79-128		4.44	30	
Bromoform	11		"	10.0		107	78-133		6.28	30	
Bromomethane	8.9		"	10.0		88.6	43-168		20.0	30	
Carbon disulfide	10		"	10.0		102	68-146		1.39	30	
Carbon tetrachloride	11		"	10.0		106	77-141		2.19	30	
Chlorobenzene	10		"	10.0		102	88-120		3.08	30	
Chloroethane	10		"	10.0		102	65-136		0.294	30	
Chloroform	11		"	10.0		106	82-128		4.43	30	
Chloromethane	8.2		"	10.0		82.5	43-155		1.80	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		2.72	30	
cis-1,3-Dichloropropylene	11		"	10.0		108	80-131		4.26	30	
Cyclohexane	10		"	10.0		103	63-149		1.17	30	
Dibromochloromethane	11		"	10.0		107	80-130		6.19	30	
Dibromomethane	10		"	10.0		102	72-134		6.25	30	
Dichlorodifluoromethane	9.6		"	10.0		95.6	44-144		1.48	30	
Ethyl Benzene	11		"	10.0		105	80-131		2.31	30	
Hexachlorobutadiene	8.4		"	10.0		84.1	67-146		6.13	30	
Isopropylbenzene	11		"	10.0		108	76-140		3.59	30	
Methyl acetate	9.6		"	10.0		96.1	51-139		8.01	30	
Methyl tert-butyl ether (MTBE)	12		"	10.0		117	76-135		8.67	30	
Methylcyclohexane	9.9		"	10.0		98.7	72-143		1.63	30	
Methylene chloride	9.0		"	10.0		90.1	55-137		3.50	30	
n-Butylbenzene	9.8		"	10.0		98.5	79-132		4.04	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 BC80090 - EPA 5030B

LCS Dup (BC80090-BSD1)

Prepared & Analyzed: 03/02/2018

n-Propylbenzene	10		ug/L	10.0		104	78-133		3.91	30	
o-Xylene	11		"	10.0		106	78-130		2.88	30	
p- & m- Xylenes	22		"	20.0		108	77-133		2.10	30	
p-Isopropyltoluene	11		"	10.0		105	81-136		3.88	30	
sec-Butylbenzene	10		"	10.0		102	79-137		3.80	30	
Styrene	11		"	10.0		106	67-132		3.08	30	
tert-Butyl alcohol (TBA)	10		"	50.0		20.0	25-162	Low Bias	3.15	30	
tert-Butylbenzene	10		"	10.0		105	77-138		4.20	30	
Tetrachloroethylene	10		"	10.0		99.8	82-131		3.16	30	
Toluene	10		"	10.0		102	80-127		1.97	30	
trans-1,2-Dichloroethylene	10		"	10.0		103	80-132		2.75	30	
trans-1,3-Dichloropropylene	11		"	10.0		107	78-131		5.37	30	
Trichloroethylene	10		"	10.0		99.6	82-128		2.03	30	
Trichlorofluoromethane	10		"	10.0		101	67-139		0.0987	30	
Vinyl Chloride	10		"	10.0		103	58-145		1.37	30	
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	9.82		"	10.0		98.2	81-117				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				

Batch BC80143 - EPA 5030B

Blank (BC80143-BLK1)

Prepared & Analyzed: 03/05/2018

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	"



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 BC80143 - EPA 5030B

Blank (BC80143-BLK1)

Prepared & Analyzed: 03/05/2018

Bromoform	ND	0.50	ug/L								
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	"								
n-Propylbenzene	ND	0.50	"								
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	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	9.56		"	10.0		95.6	81-117				
Surrogate: p-Bromofluorobenzene	10.8		"	10.0		108	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 BC80143 - EPA 5030B											
LCS (BC80143-BS1)						Prepared & Analyzed: 03/05/2018					
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		98.3	82-126				
1,1,1-Trichloroethane	9.9		"	10.0		99.2	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		110	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.5		"	10.0		95.3	54-165				
1,1,2-Trichloroethane	9.6		"	10.0		95.5	82-123				
1,1-Dichloroethane	9.9		"	10.0		99.0	82-129				
1,1-Dichloroethylene	9.7		"	10.0		97.1	68-138				
1,2,3-Trichlorobenzene	16		"	10.0		156	76-136	High Bias			
1,2,3-Trichloropropane	11		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	12		"	10.0		120	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	9.8		"	10.0		98.3	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.4	83-124				
1,2-Dichlorobenzene	10		"	10.0		102	79-123				
1,2-Dichloroethane	10		"	10.0		99.9	73-132				
1,2-Dichloropropane	10		"	10.0		99.9	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		107	80-131				
1,3-Dichlorobenzene	10		"	10.0		104	86-122				
1,4-Dichlorobenzene	10		"	10.0		102	85-124				
1,4-Dioxane	280		"	210		134	10-349				
2-Butanone	9.5		"	10.0		95.1	49-152				
2-Hexanone	9.5		"	10.0		95.0	51-146				
4-Methyl-2-pentanone	9.4		"	10.0		93.9	57-145				
Acetone	8.3		"	10.0		82.7	14-150				
Acrolein	9.6		"	10.0		95.8	10-153				
Acrylonitrile	7.9		"	10.0		79.0	51-150				
Benzene	10		"	10.0		99.9	85-126				
Bromochloromethane	9.6		"	10.0		95.8	77-128				
Bromodichloromethane	10		"	10.0		101	79-128				
Bromoform	9.8		"	10.0		98.0	78-133				
Bromomethane	1.6		"	10.0		16.2	43-168	Low Bias			
Carbon disulfide	11		"	10.0		107	68-146				
Carbon tetrachloride	9.8		"	10.0		97.5	77-141				
Chlorobenzene	9.6		"	10.0		96.3	88-120				
Chloroethane	9.9		"	10.0		99.4	65-136				
Chloroform	10		"	10.0		100	82-128				
Chloromethane	7.5		"	10.0		75.2	43-155				
cis-1,2-Dichloroethylene	9.7		"	10.0		96.8	83-129				
cis-1,3-Dichloropropylene	9.6		"	10.0		96.1	80-131				
Cyclohexane	9.8		"	10.0		98.0	63-149				
Dibromochloromethane	9.5		"	10.0		94.8	80-130				
Dibromomethane	9.8		"	10.0		97.9	72-134				
Dichlorodifluoromethane	9.2		"	10.0		91.8	44-144				
Ethyl Benzene	10		"	10.0		105	80-131				
Hexachlorobutadiene	11		"	10.0		113	67-146				
Isopropylbenzene	11		"	10.0		108	76-140				
Methyl acetate	9.2		"	10.0		92.1	51-139				
Methyl tert-butyl ether (MTBE)	9.9		"	10.0		98.7	76-135				
Methylcyclohexane	9.9		"	10.0		99.4	72-143				
Methylene chloride	8.6		"	10.0		86.0	55-137				
n-Butylbenzene	11		"	10.0		112	79-132				



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 BC80143 - EPA 5030B											
LCS (BC80143-BS1)						Prepared & Analyzed: 03/05/2018					
n-Propylbenzene	11		ug/L	10.0		112	78-133				
o-Xylene	10		"	10.0		102	78-130				
p- & m- Xylenes	21		"	20.0		106	77-133				
p-Isopropyltoluene	11		"	10.0		107	81-136				
sec-Butylbenzene	11		"	10.0		113	79-137				
Styrene	9.8		"	10.0		98.0	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		103	25-162				
tert-Butylbenzene	10		"	10.0		104	77-138				
Tetrachloroethylene	8.4		"	10.0		84.4	82-131				
Toluene	10		"	10.0		100	80-127				
trans-1,2-Dichloroethylene	9.6		"	10.0		95.5	80-132				
trans-1,3-Dichloropropylene	9.5		"	10.0		94.6	78-131				
Trichloroethylene	10		"	10.0		99.7	82-128				
Trichlorofluoromethane	11		"	10.0		109	67-139				
Vinyl Chloride	10		"	10.0		99.9	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.94		"	10.0		99.4	69-130				
Surrogate: Toluene-d8	9.66		"	10.0		96.6	81-117				
Surrogate: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				
LCS Dup (BC80143-BSD1)						Prepared & Analyzed: 03/05/2018					
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		95.9	82-126		2.47	30	
1,1,1-Trichloroethane	9.6		"	10.0		95.5	78-136		3.80	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		107	76-129		2.77	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.5		"	10.0		95.0	54-165		0.315	30	
1,1,2-Trichloroethane	9.4		"	10.0		93.9	82-123		1.69	30	
1,1-Dichloroethane	9.6		"	10.0		96.0	82-129		3.08	30	
1,1-Dichloroethylene	9.4		"	10.0		93.6	68-138		3.67	30	
1,2,3-Trichlorobenzene	16		"	10.0		158	76-136	High Bias	1.21	30	
1,2,3-Trichloropropane	10		"	10.0		101	77-128		4.85	30	
1,2,4-Trichlorobenzene	12		"	10.0		118	76-137		1.94	30	
1,2,4-Trimethylbenzene	10		"	10.0		100	82-132		6.01	30	
1,2-Dibromo-3-chloropropane	9.4		"	10.0		94.5	45-147		3.94	30	
1,2-Dibromoethane	9.8		"	10.0		97.8	83-124		1.62	30	
1,2-Dichlorobenzene	9.7		"	10.0		97.3	79-123		4.81	30	
1,2-Dichloroethane	9.9		"	10.0		99.1	73-132		0.804	30	
1,2-Dichloropropane	9.8		"	10.0		97.8	78-126		2.12	30	
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131		5.68	30	
1,3-Dichlorobenzene	9.7		"	10.0		96.6	86-122		6.90	30	
1,4-Dichlorobenzene	9.6		"	10.0		95.8	85-124		5.88	30	
1,4-Dioxane	390		"	210		185	10-349		31.8	30	Non-dir.
2-Butanone	9.6		"	10.0		95.6	49-152		0.524	30	
2-Hexanone	9.4		"	10.0		94.2	51-146		0.846	30	
4-Methyl-2-pentanone	9.5		"	10.0		95.0	57-145		1.16	30	
Acetone	8.3		"	10.0		82.9	14-150		0.242	30	
Acrolein	9.2		"	10.0		92.5	10-153		3.51	30	
Acrylonitrile	8.1		"	10.0		81.1	51-150		2.62	30	
Benzene	9.7		"	10.0		96.6	85-126		3.36	30	
Bromochloromethane	9.4		"	10.0		93.9	77-128		2.00	30	
Bromodichloromethane	9.9		"	10.0		98.8	79-128		2.10	30	
Bromoform	9.6		"	10.0		95.9	78-133		2.17	30	
Bromomethane	1.6		"	10.0		15.7	43-168	Low Bias	3.13	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 BC80143 - EPA 5030B											
LCS Dup (BC80143-BSD1)						Prepared & Analyzed: 03/05/2018					
Carbon disulfide	10		ug/L	10.0		103	68-146		3.71	30	
Carbon tetrachloride	9.3		"	10.0		93.4	77-141		4.30	30	
Chlorobenzene	9.4		"	10.0		93.6	88-120		2.84	30	
Chloroethane	9.9		"	10.0		99.2	65-136		0.201	30	
Chloroform	9.6		"	10.0		96.4	82-128		3.97	30	
Chloromethane	7.2		"	10.0		71.7	43-155		4.77	30	
cis-1,2-Dichloroethylene	9.4		"	10.0		94.1	83-129		2.83	30	
cis-1,3-Dichloropropylene	9.3		"	10.0		93.3	80-131		2.96	30	
Cyclohexane	9.7		"	10.0		96.6	63-149		1.44	30	
Dibromochloromethane	9.4		"	10.0		93.9	80-130		0.954	30	
Dibromomethane	9.7		"	10.0		96.6	72-134		1.34	30	
Dichlorodifluoromethane	9.1		"	10.0		90.6	44-144		1.32	30	
Ethyl Benzene	10		"	10.0		101	80-131		3.11	30	
Hexachlorobutadiene	11		"	10.0		113	67-146		0.353	30	
Isopropylbenzene	10		"	10.0		101	76-140		6.12	30	
Methyl acetate	9.2		"	10.0		92.1	51-139		0.00	30	
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		97.6	76-135		1.12	30	
Methylcyclohexane	9.9		"	10.0		98.8	72-143		0.605	30	
Methylene chloride	8.4		"	10.0		84.1	55-137		2.23	30	
n-Butylbenzene	10		"	10.0		105	79-132		6.46	30	
n-Propylbenzene	11		"	10.0		105	78-133		6.71	30	
o-Xylene	10		"	10.0		101	78-130		1.87	30	
p- & m- Xylenes	21		"	20.0		103	77-133		2.73	30	
p-Isopropyltoluene	10		"	10.0		99.7	81-136		6.88	30	
sec-Butylbenzene	11		"	10.0		106	79-137		6.22	30	
Styrene	9.5		"	10.0		95.1	67-132		3.00	30	
tert-Butyl alcohol (TBA)	56		"	50.0		111	25-162		7.09	30	
tert-Butylbenzene	9.8		"	10.0		97.7	77-138		6.25	30	
Tetrachloroethylene	8.3		"	10.0		82.6	82-131		2.16	30	
Toluene	9.8		"	10.0		98.1	80-127		2.12	30	
trans-1,2-Dichloroethylene	9.2		"	10.0		92.1	80-132		3.62	30	
trans-1,3-Dichloropropylene	9.2		"	10.0		91.7	78-131		3.11	30	
Trichloroethylene	9.6		"	10.0		96.0	82-128		3.78	30	
Trichlorofluoromethane	10		"	10.0		104	67-139		3.94	30	
Vinyl Chloride	9.7		"	10.0		97.1	58-145		2.84	30	
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	69-130				
Surrogate: Toluene-d8	9.55		"	10.0		95.5	81-117				
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result		Limits		RPD	Limit		
Batch BC80014 - EPA 3510C												
Blank (BC80014-BLK1)							Prepared & Analyzed: 03/01/2018					
1,1-Biphenyl	ND	5.00	ug/L									
1,2,4,5-Tetrachlorobenzene	ND	5.00	"									
1,2,4-Trichlorobenzene	ND	5.00	"									
1,2-Dichlorobenzene	ND	5.00	"									
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"									
1,3-Dichlorobenzene	ND	5.00	"									
1,4-Dichlorobenzene	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	"									
2,4-Dichlorophenol	ND	5.00	"									
2,4-Dimethylphenol	ND	5.00	"									
2,4-Dinitrophenol	ND	5.00	"									
2,4-Dinitrotoluene	ND	5.00	"									
2,6-Dinitrotoluene	ND	5.00	"									
2-Chloronaphthalene	ND	5.00	"									
2-Chlorophenol	ND	5.00	"									
2-Methylnaphthalene	ND	5.00	"									
2-Methylphenol	ND	5.00	"									
2-Nitroaniline	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 BC80014 - EPA 3510C

Blank (BC80014-BLK1)

Prepared & Analyzed: 03/01/2018

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
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	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
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	28.4		"	77.4		36.6	19.7-63.1				
Surrogate: Phenol-d5	17.9		"	73.8		24.2	10.1-41.7				
Surrogate: Nitrobenzene-d5	35.8		"	51.6		69.3	50.2-113				
Surrogate: 2-Fluorobiphenyl	35.0		"	50.2		69.7	39.9-105				
Surrogate: 2,4,6-Tribromophenol	89.7		"	77.2		116	39.3-151				
Surrogate: Terphenyl-d14	30.4		"	51.0		59.6	30.7-106				



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 BC80014 - EPA 3510C

Blank (BC80014-BLK2)

Prepared & Analyzed: 03/01/2018

Acenaphthene	ND	0.0500	ug/L
Acenaphthylene	ND	0.0500	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
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	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"
Chrysene	ND	0.0500	"
Dibenzo(a,h)anthracene	ND	0.0500	"
Fluoranthene	ND	0.0500	"
Fluorene	ND	0.0500	"
Hexachlorobenzene	ND	0.0200	"
Hexachlorobutadiene	ND	0.500	"
Hexachloroethane	ND	0.500	"
Indeno(1,2,3-cd)pyrene	ND	0.0500	"
Naphthalene	ND	0.0500	"
Nitrobenzene	ND	0.250	"
N-Nitrosodimethylamine	ND	0.500	"
Pentachlorophenol	ND	0.250	"
Phenanthrene	ND	0.0500	"
Pyrene	ND	0.0500	"

LCS (BC80014-BS1)

Prepared & Analyzed: 03/01/2018

1,1-Biphenyl	18.6	5.00	ug/L	25.0	74.4	21-102
1,2,4,5-Tetrachlorobenzene	21.5	5.00	"	25.0	86.1	28-105
1,2,4-Trichlorobenzene	19.8	5.00	"	25.0	79.3	35-91
1,2-Dichlorobenzene	16.6	5.00	"	25.0	66.5	42-85
1,2-Diphenylhydrazine (as Azobenzene)	16.6	5.00	"	25.0	66.4	16-137
1,3-Dichlorobenzene	16.7	5.00	"	25.0	66.8	45-80
1,4-Dichlorobenzene	15.9	5.00	"	25.0	63.5	42-82
2,3,4,6-Tetrachlorophenol	31.7	5.00	"	25.0	127	30-130
2,4,5-Trichlorophenol	23.5	5.00	"	25.0	93.9	36-112
2,4,6-Trichlorophenol	22.3	5.00	"	25.0	89.2	41-107
2,4-Dichlorophenol	22.0	5.00	"	25.0	87.8	43-92
2,4-Dimethylphenol	20.9	5.00	"	25.0	83.6	25-92
2,4-Dinitrophenol	23.4	5.00	"	25.0	93.7	10-149
2,4-Dinitrotoluene	21.7	5.00	"	25.0	86.7	41-114
2,6-Dinitrotoluene	20.0	5.00	"	25.0	80.1	49-106
2-Chloronaphthalene	18.9	5.00	"	25.0	75.6	40-96
2-Chlorophenol	16.0	5.00	"	25.0	64.0	35-84
2-Methylnaphthalene	19.1	5.00	"	25.0	76.2	33-101
2-Methylphenol	13.1	5.00	"	25.0	52.3	10-90
2-Nitroaniline	21.2	5.00	"	25.0	84.8	31-122
2-Nitrophenol	20.0	5.00	"	25.0	79.9	37-97
3- & 4-Methylphenols	12.0	5.00	"	25.0	47.9	10-101
3,3-Dichlorobenzidine	24.1	5.00	"	25.0	96.6	25-155
3-Nitroaniline	16.3	5.00	"	25.0	65.0	29-128
4,6-Dinitro-2-methylphenol	19.4	5.00	"	25.0	77.6	10-135



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 BC80014 - EPA 3510C											
LCS (BC80014-BS1)						Prepared & Analyzed: 03/01/2018					
4-Bromophenyl phenyl ether	24.3	5.00	ug/L	25.0		97.2	38-116				
4-Chloro-3-methylphenol	19.5	5.00	"	25.0		77.9	28-101				
4-Chloroaniline	14.6	5.00	"	25.0		58.4	10-154				
4-Chlorophenyl phenyl ether	21.8	5.00	"	25.0		87.3	34-112				
4-Nitroaniline	34.4	5.00	"	25.0		138	15-143				
4-Nitrophenol	8.59	5.00	"	25.0		34.4	10-112				
Acenaphthene	19.2	0.0500	"	25.0		76.7	24-114				
Acenaphthylene	18.8	0.0500	"	25.0		75.4	26-112				
Acetophenone	17.3	5.00	"	25.0		69.1	47-92				
Aniline	11.3	5.00	"	25.0		45.3	10-107				
Anthracene	20.5	0.0500	"	25.0		82.0	35-114				
Atrazine	23.8	0.500	"	25.0		95.4	43-101				
Benzaldehyde	27.7	5.00	"	25.0		111	17-117				
Benzo(a)anthracene	21.2	0.0500	"	25.0		84.8	38-127				
Benzo(a)pyrene	23.5	0.0500	"	25.0		94.0	30-146				
Benzo(b)fluoranthene	22.4	0.0500	"	25.0		89.6	36-145				
Benzo(g,h,i)perylene	22.5	0.0500	"	25.0		90.1	10-163				
Benzo(k)fluoranthene	22.0	0.0500	"	25.0		87.8	16-149				
Benzoic acid	ND	50.0	"	29.0			30-130	Low Bias			
Benzyl alcohol	11.9	5.00	"	25.0		47.6	18-75				
Benzyl butyl phthalate	16.9	5.00	"	25.0		67.5	28-129				
Bis(2-chloroethoxy)methane	20.9	5.00	"	25.0		83.4	27-112				
Bis(2-chloroethyl)ether	14.4	5.00	"	25.0		57.6	24-114				
Bis(2-chloroisopropyl)ether	20.8	5.00	"	25.0		83.2	21-124				
Bis(2-ethylhexyl)phthalate	17.0	0.500	"	25.0		68.1	10-171				
Caprolactam	ND	5.00	"	25.0			10-29	Low Bias			
Carbazole	30.6	5.00	"	25.0		123	49-116	High Bias			
Chrysene	19.5	0.0500	"	25.0		77.9	33-120				
Dibenzo(a,h)anthracene	20.8	0.0500	"	25.0		83.0	10-149				
Dibenzofuran	21.6	5.00	"	25.0		86.5	42-105				
Diethyl phthalate	20.6	5.00	"	25.0		82.4	38-112				
Dimethyl phthalate	21.8	5.00	"	25.0		87.4	49-106				
Di-n-butyl phthalate	18.8	5.00	"	25.0		75.2	36-110				
Di-n-octyl phthalate	18.1	5.00	"	25.0		72.5	12-149				
Fluoranthene	21.2	0.0500	"	25.0		84.9	33-126				
Fluorene	20.2	0.0500	"	25.0		80.9	28-117				
Hexachlorobenzene	16.3	0.0200	"	25.0		65.2	27-120				
Hexachlorobutadiene	20.3	0.500	"	25.0		81.4	25-106				
Hexachlorocyclopentadiene	23.2	5.00	"	25.0		93.0	10-99				
Hexachloroethane	14.1	0.500	"	25.0		56.6	33-84				
Indeno(1,2,3-cd)pyrene	21.5	0.0500	"	25.0		86.1	10-150				
Isophorone	18.6	5.00	"	25.0		74.3	29-115				
Naphthalene	18.5	0.0500	"	25.0		73.8	30-99				
Nitrobenzene	16.4	0.250	"	25.0		65.7	32-113				
N-Nitrosodimethylamine	8.87	0.500	"	25.0		35.5	10-63				
N-nitroso-di-n-propylamine	18.5	5.00	"	25.0		74.0	36-118				
N-Nitrosodiphenylamine	22.0	5.00	"	25.0		87.8	27-145				
Pentachlorophenol	23.1	0.250	"	25.0		92.5	19-127				
Phenanthrene	19.3	0.0500	"	25.0		77.0	31-112				
Phenol	6.60	5.00	"	25.0		26.4	10-37				
Pyrene	18.5	0.0500	"	25.0		74.0	42-125				



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 BC80014 - EPA 3510C

LCS (BC80014-BS1)

Prepared & Analyzed: 03/01/2018

Surrogate: 2-Fluorophenol	27.0		ug/L	77.4		34.9	19.7-63.1				
Surrogate: Phenol-d5	17.3		"	73.8		23.4	10.1-41.7				
Surrogate: Nitrobenzene-d5	31.1		"	51.6		60.2	50.2-113				
Surrogate: 2-Fluorobiphenyl	28.7		"	50.2		57.3	39.9-105				
Surrogate: 2,4,6-Tribromophenol	78.6		"	77.2		102	39.3-151				
Surrogate: Terphenyl-d14	26.6		"	51.0		52.1	30.7-106				

LCS (BC80014-BS2)

Prepared & Analyzed: 03/01/2018

Acenaphthene	0.730	0.0500	ug/L	1.00		73.0	24-114				
Acenaphthylene	0.700	0.0500	"	1.00		70.0	26-112				
Anthracene	0.740	0.0500	"	1.00		74.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.720	0.0500	"	1.00		72.0	38-127				
Benzo(a)pyrene	0.780	0.0500	"	1.00		78.0	30-146				
Benzo(b)fluoranthene	0.760	0.0500	"	1.00		76.0	36-145				
Benzo(g,h,i)perylene	0.860	0.0500	"	1.00		86.0	10-163				
Benzo(k)fluoranthene	0.800	0.0500	"	1.00		80.0	16-149				
Bis(2-ethylhexyl)phthalate	0.710	0.500	"	1.00		71.0	10-171				
Chrysene	0.710	0.0500	"	1.00		71.0	33-120				
Dibenzo(a,h)anthracene	0.860	0.0500	"	1.00		86.0	10-149				
Fluoranthene	0.740	0.0500	"	1.00		74.0	33-126				
Fluorene	0.750	0.0500	"	1.00		75.0	28-117				
Hexachlorobenzene	0.900	0.0200	"	1.00		90.0	27-120				
Hexachlorobutadiene	0.560	0.500	"	1.00		56.0	25-106				
Hexachloroethane	ND	0.500	"	1.00			33-84	Low Bias			
Indeno(1,2,3-cd)pyrene	0.840	0.0500	"	1.00		84.0	10-150				
Naphthalene	0.740	0.0500	"	1.00		74.0	30-99				
Nitrobenzene	1.00	0.250	"	1.00		100	32-113				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias			
Pentachlorophenol	0.380	0.250	"	1.00		38.0	19-127				
Phenanthrene	0.700	0.0500	"	1.00		70.0	31-112				
Pyrene	0.700	0.0500	"	1.00		70.0	42-125				



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 BC80014 - EPA 3510C											
LCS Dup (BC80014-BSD1)						Prepared & Analyzed: 03/01/2018					
1,1-Biphenyl	16.6	5.00	ug/L	25.0		66.6	21-102		11.2	20	
1,2,4,5-Tetrachlorobenzene	19.3	5.00	"	25.0		77.3	28-105		10.8	20	
1,2,4-Trichlorobenzene	18.7	5.00	"	25.0		74.7	35-91		6.03	20	
1,2-Dichlorobenzene	15.5	5.00	"	25.0		61.9	42-85		7.17	20	
1,2-Diphenylhydrazine (as Azobenzene)	14.5	5.00	"	25.0		58.0	16-137		13.5	20	
1,3-Dichlorobenzene	15.3	5.00	"	25.0		61.2	45-80		8.81	20	
1,4-Dichlorobenzene	14.2	5.00	"	25.0		56.7	42-82		11.3	20	
2,3,4,6-Tetrachlorophenol	28.4	5.00	"	25.0		114	30-130		10.9	20	
2,4,5-Trichlorophenol	18.3	5.00	"	25.0		73.2	36-112		24.7	20	Non-dir.
2,4,6-Trichlorophenol	19.4	5.00	"	25.0		77.6	41-107		13.9	20	
2,4-Dichlorophenol	19.6	5.00	"	25.0		78.6	43-92		11.1	20	
2,4-Dimethylphenol	19.0	5.00	"	25.0		75.8	25-92		9.69	20	
2,4-Dinitrophenol	20.6	5.00	"	25.0		82.2	10-149		13.1	20	
2,4-Dinitrotoluene	19.3	5.00	"	25.0		77.1	41-114		11.8	20	
2,6-Dinitrotoluene	17.9	5.00	"	25.0		71.6	49-106		11.3	20	
2-Chloronaphthalene	16.8	5.00	"	25.0		67.1	40-96		12.0	20	
2-Chlorophenol	14.9	5.00	"	25.0		59.6	35-84		7.12	20	
2-Methylnaphthalene	17.6	5.00	"	25.0		70.4	33-101		7.97	20	
2-Methylphenol	11.7	5.00	"	25.0		46.9	10-90		10.8	20	
2-Nitroaniline	18.3	5.00	"	25.0		73.3	31-122		14.6	20	
2-Nitrophenol	18.4	5.00	"	25.0		73.4	37-97		8.51	20	
3- & 4-Methylphenols	10.7	5.00	"	25.0		42.9	10-101		11.0	20	
3,3-Dichlorobenzidine	21.0	5.00	"	25.0		83.9	25-155		14.1	20	
3-Nitroaniline	14.1	5.00	"	25.0		56.6	29-128		13.9	20	
4,6-Dinitro-2-methylphenol	16.8	5.00	"	25.0		67.1	10-135		14.4	20	
4-Bromophenyl phenyl ether	21.2	5.00	"	25.0		84.6	38-116		13.9	20	
4-Chloro-3-methylphenol	18.3	5.00	"	25.0		73.1	28-101		6.30	20	
4-Chloroaniline	14.5	5.00	"	25.0		57.9	10-154		0.894	20	
4-Chlorophenyl phenyl ether	19.5	5.00	"	25.0		78.1	34-112		11.1	20	
4-Nitroaniline	28.4	5.00	"	25.0		114	15-143		18.9	20	
4-Nitrophenol	6.68	5.00	"	25.0		26.7	10-112		25.0	20	Non-dir.
Acenaphthene	17.1	0.0500	"	25.0		68.6	24-114		11.2	20	
Acenaphthylene	16.6	0.0500	"	25.0		66.3	26-112		12.8	20	
Acetophenone	15.4	5.00	"	25.0		61.5	47-92		11.6	20	
Aniline	11.2	5.00	"	25.0		44.9	10-107		0.887	20	
Anthracene	17.9	0.0500	"	25.0		71.4	35-114		13.8	20	
Atrazine	20.9	0.500	"	25.0		83.4	43-101		13.3	20	
Benzaldehyde	25.6	5.00	"	25.0		102	17-117		7.99	20	
Benzo(a)anthracene	18.5	0.0500	"	25.0		74.0	38-127		13.6	20	
Benzo(a)pyrene	20.0	0.0500	"	25.0		80.0	30-146		16.1	20	
Benzo(b)fluoranthene	19.6	0.0500	"	25.0		78.4	36-145		13.4	20	
Benzo(g,h,i)perylene	19.4	0.0500	"	25.0		77.7	10-163		14.8	20	
Benzo(k)fluoranthene	19.3	0.0500	"	25.0		77.4	16-149		12.7	20	
Benzoic acid	ND	50.0	"	29.0			30-130	Low Bias		20	
Benzyl alcohol	10.6	5.00	"	25.0		42.4	18-75		11.6	20	
Benzyl butyl phthalate	14.5	5.00	"	25.0		58.1	28-129		15.0	20	
Bis(2-chloroethoxy)methane	19.2	5.00	"	25.0		76.8	27-112		8.34	20	
Bis(2-chloroethyl)ether	13.0	5.00	"	25.0		52.1	24-114		10.1	20	
Bis(2-chloroisopropyl)ether	18.9	5.00	"	25.0		75.6	21-124		9.62	20	
Bis(2-ethylhexyl)phthalate	14.7	0.500	"	25.0		59.0	10-171		14.4	20	
Caprolactam	3.20	5.00	"	25.0		12.8	10-29		99.8	20	Non-dir.



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 BC80014 - EPA 3510C											
LCS Dup (BC80014-BSD1)						Prepared & Analyzed: 03/01/2018					
Carbazole	26.7	5.00	ug/L	25.0		107	49-116		13.6	20	
Chrysene	17.1	0.0500	"	25.0		68.4	33-120		13.0	20	
Dibenzo(a,h)anthracene	18.3	0.0500	"	25.0		73.2	10-149		12.5	20	
Dibenzofuran	19.3	5.00	"	25.0		77.2	42-105		11.3	20	
Diethyl phthalate	17.9	5.00	"	25.0		71.7	38-112		13.9	20	
Dimethyl phthalate	19.1	5.00	"	25.0		76.5	49-106		13.3	20	
Di-n-butyl phthalate	16.4	5.00	"	25.0		65.5	36-110		13.8	20	
Di-n-octyl phthalate	15.8	5.00	"	25.0		63.1	12-149		13.9	20	
Fluoranthene	18.4	0.0500	"	25.0		73.8	33-126		14.0	20	
Fluorene	17.8	0.0500	"	25.0		71.2	28-117		12.7	20	
Hexachlorobenzene	13.9	0.0200	"	25.0		55.6	27-120		15.9	20	
Hexachlorobutadiene	19.7	0.500	"	25.0		78.8	25-106		3.25	20	
Hexachlorocyclopentadiene	20.1	5.00	"	25.0		80.4	10-99		14.5	20	
Hexachloroethane	13.2	0.500	"	25.0		52.7	33-84		7.03	20	
Indeno(1,2,3-cd)pyrene	14.7	0.0500	"	25.0		59.0	10-150		37.4	20	Non-dir.
Isophorone	17.2	5.00	"	25.0		68.6	29-115		7.95	20	
Naphthalene	17.3	0.0500	"	25.0		69.2	30-99		6.43	20	
Nitrobenzene	15.4	0.250	"	25.0		61.8	32-113		6.21	20	
N-Nitrosodimethylamine	7.88	0.500	"	25.0		31.5	10-63		11.8	20	
N-nitroso-di-n-propylamine	16.4	5.00	"	25.0		65.4	36-118		12.4	20	
N-Nitrosodiphenylamine	19.7	5.00	"	25.0		78.7	27-145		11.0	20	
Pentachlorophenol	20.6	0.250	"	25.0		82.5	19-127		11.5	20	
Phenanthrene	16.6	0.0500	"	25.0		66.4	31-112		14.8	20	
Phenol	5.89	5.00	"	25.0		23.6	10-37		11.4	20	
Pyrene	15.6	0.0500	"	25.0		62.6	42-125		16.7	20	
Surrogate: 2-Fluorophenol	24.4		"	77.4		31.5	19.7-63.1				
Surrogate: Phenol-d5	15.2		"	73.8		20.6	10.1-41.7				
Surrogate: Nitrobenzene-d5	29.3		"	51.6		56.8	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.4		"	50.2		52.5	39.9-105				
Surrogate: 2,4,6-Tribromophenol	68.8		"	77.2		89.1	39.3-151				
Surrogate: Terphenyl-d14	23.4		"	51.0		45.9	30.7-106				



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 BC80073 - EPA SW846-3510C Low Level

Blank (BC80073-BLK1)

Prepared: 03/02/2018 Analyzed: 03/05/2018

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	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
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	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	0.149		"	0.209		71.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.145		"	0.202		71.8	30-150				

LCS (BC80073-BS1)

Prepared: 03/02/2018 Analyzed: 03/05/2018

4,4'-DDD	0.0746	0.00400	ug/L	0.100		74.6	40-140				
4,4'-DDE	0.0750	0.00400	"	0.100		75.0	40-140				
4,4'-DDT	0.0661	0.00400	"	0.100		66.1	40-140				
Aldrin	0.0648	0.00400	"	0.100		64.8	40-140				
alpha-BHC	0.0671	0.00400	"	0.100		67.1	40-140				
alpha-Chlordane	0.0666	0.00400	"	0.100		66.6	40-140				
beta-BHC	0.0717	0.00400	"	0.100		71.7	40-140				
delta-BHC	0.0517	0.00400	"	0.100		51.7	40-140				
Dieldrin	0.0700	0.00200	"	0.100		70.0	40-140				
Endosulfan I	0.0700	0.00400	"	0.100		70.0	40-140				
Endosulfan II	0.0716	0.00400	"	0.100		71.6	40-140				
Endosulfan sulfate	0.0700	0.00400	"	0.100		70.0	40-140				
Endrin	0.0693	0.00400	"	0.100		69.3	40-140				
Endrin aldehyde	0.0793	0.0100	"	0.100		79.3	40-140				
Endrin ketone	0.0790	0.0100	"	0.100		79.0	40-140				
gamma-BHC (Lindane)	0.0657	0.00400	"	0.100		65.7	40-140				
gamma-Chlordane	0.0634	0.0100	"	0.100		63.4	40-140				
Heptachlor	0.0564	0.00400	"	0.100		56.4	40-140				
Heptachlor epoxide	0.0650	0.00400	"	0.100		65.0	40-140				
Methoxychlor	0.0625	0.00400	"	0.100		62.5	40-140				
Surrogate: Decachlorobiphenyl	0.136		"	0.209		65.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.129		"	0.202		64.0	30-150				



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 BC80073 - EPA SW846-3510C Low Level

LCS Dup (BC80073-BSD1)

Prepared: 03/02/2018 Analyzed: 03/05/2018

4,4'-DDD	0.0826	0.00400	ug/L	0.100		82.6	40-140		10.2	20	
4,4'-DDE	0.0813	0.00400	"	0.100		81.3	40-140		8.08	20	
4,4'-DDT	0.0736	0.00400	"	0.100		73.6	40-140		10.8	20	
Aldrin	0.0684	0.00400	"	0.100		68.4	40-140		5.36	20	
alpha-BHC	0.0710	0.00400	"	0.100		71.0	40-140		5.63	20	
alpha-Chlordane	0.0713	0.00400	"	0.100		71.3	40-140		6.79	20	
beta-BHC	0.0767	0.00400	"	0.100		76.7	40-140		6.73	20	
delta-BHC	0.0557	0.00400	"	0.100		55.7	40-140		7.48	20	
Dieldrin	0.0753	0.00200	"	0.100		75.3	40-140		7.30	20	
Endosulfan I	0.0759	0.00400	"	0.100		75.9	40-140		8.07	20	
Endosulfan II	0.0779	0.00400	"	0.100		77.9	40-140		8.47	20	
Endosulfan sulfate	0.0775	0.00400	"	0.100		77.5	40-140		10.3	20	
Endrin	0.0746	0.00400	"	0.100		74.6	40-140		7.43	20	
Endrin aldehyde	0.0865	0.0100	"	0.100		86.5	40-140		8.75	20	
Endrin ketone	0.0857	0.0100	"	0.100		85.7	40-140		8.04	20	
gamma-BHC (Lindane)	0.0701	0.00400	"	0.100		70.1	40-140		6.50	20	
gamma-Chlordane	0.0681	0.0100	"	0.100		68.1	40-140		7.14	20	
Heptachlor	0.0602	0.00400	"	0.100		60.2	40-140		6.65	20	
Heptachlor epoxide	0.0697	0.00400	"	0.100		69.7	40-140		6.97	20	
Methoxychlor	0.0703	0.00400	"	0.100		70.3	40-140		11.7	20	
Surrogate: Decachlorobiphenyl	0.147		"	0.209		70.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.129		"	0.202		64.1	30-150				

Batch Y7K2801 - BK71080

Performance Mix (Y7K2801-PEM1)

Prepared & Analyzed: 11/27/2017

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.145		"	0.00			0-200				
4,4'-DDT	124		"	200		61.8	0-200				
Endrin	78.5		"	100		78.5	0-200				
Endrin aldehyde	1.34		"	0.00			0-200				
Endrin ketone	3.33		"	0.00			0-200				



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 Y8C0601 - BB81018

Performance Mix (Y8C0601-PEM1)

Prepared & Analyzed: 03/05/2018

4,4'-DDD	8.45		ng/mL	0.00			0-200			
4,4'-DDE	0.722		"	0.00			0-200			
4,4'-DDT	97.3		"	200		48.6	0-200			
Endrin	70.6		"	100		70.6	0-200			
Endrin aldehyde	2.15		"	0.00			0-200			
Endrin ketone	7.66		"	0.00			0-200			

Performance Mix (Y8C0601-PEM2)

Prepared & Analyzed: 03/05/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.660		"	0.00			0-200			
4,4'-DDT	146		"	200		73.2	0-200			
Endrin	122		"	100		122	0-200			
Endrin aldehyde	1.35		"	0.00			0-200			
Endrin ketone	7.55		"	0.00			0-200			

Performance Mix (Y8C0601-PEM3)

Prepared: 03/05/2018 Analyzed: 03/06/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.861		"	0.00			0-200			
4,4'-DDT	164		"	200		82.0	0-200			
Endrin	137		"	100		137	0-200			
Endrin aldehyde	1.87		"	0.00			0-200			
Endrin ketone	9.35		"	0.00			0-200			

Batch Y8C0707 - BB81018

Performance Mix (Y8C0707-PEM1)

Prepared & Analyzed: 03/06/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.968		"	0.00			0-200			
4,4'-DDT	197		"	200		98.5	0-200			
Endrin	154		"	100		154	0-200			
Endrin aldehyde	1.71		"	0.00			0-200			
Endrin ketone	9.35		"	0.00			0-200			



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 Y8C0707 - BB81018

Performance Mix (Y8C0707-PEM2)

Prepared & Analyzed: 03/06/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.537		"	0.00			0-200			
4,4'-DDT	147		"	200		73.3	0-200			
Endrin	144		"	100		144	0-200			
Endrin aldehyde	0.551		"	0.00			0-200			
Endrin ketone	7.88		"	0.00			0-200			

Performance Mix (Y8C0707-PEM3)

Prepared: 03/06/2018 Analyzed: 03/07/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.901		"	0.00			0-200			
4,4'-DDT	172		"	200		86.0	0-200			
Endrin	151		"	100		151	0-200			
Endrin aldehyde	0.536		"	0.00			0-200			
Endrin ketone	8.06		"	0.00			0-200			



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 BC80073 - EPA SW846-3510C Low Level											
Blank (BC80073-BLK2)						Prepared: 03/02/2018 Analyzed: 03/05/2018					
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	0.154		"	0.202		76.2	30-120				
Surrogate: Decachlorobiphenyl	0.152		"	0.209		72.7	30-120				
LCS (BC80073-BS2)						Prepared: 03/02/2018 Analyzed: 03/05/2018					
Aroclor 1016	1.08	0.0500	ug/L	1.00		108	40-120				
Aroclor 1260	1.15	0.0500	"	1.00		115	40-120				
Surrogate: Tetrachloro-m-xylene	0.141		"	0.202		69.8	30-120				
Surrogate: Decachlorobiphenyl	0.165		"	0.209		78.9	30-120				
LCS Dup (BC80073-BSD2)						Prepared: 03/02/2018 Analyzed: 03/05/2018					
Aroclor 1016	0.918	0.0500	ug/L	1.00		91.8	40-120		15.9	30	
Aroclor 1260	1.13	0.0500	"	1.00		113	40-120		1.60	30	
Surrogate: Tetrachloro-m-xylene	0.129		"	0.202		63.9	30-120				
Surrogate: Decachlorobiphenyl	0.143		"	0.209		68.4	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 BC80207 - EPA 3015A

Blank (BC80207-BLK1)

Prepared & Analyzed: 03/06/2018

Aluminum	ND	0.050	mg/L
Antimony	ND	0.005	"
Arsenic	ND	0.004	"
Barium	ND	0.010	"
Beryllium	ND	0.001	"
Cadmium	ND	0.003	"
Calcium	ND	0.050	"
Chromium	ND	0.005	"
Cobalt	ND	0.005	"
Copper	ND	0.003	"
Iron	0.044	0.020	"
Lead	ND	0.005	"
Magnesium	ND	0.050	"
Manganese	ND	0.005	"
Nickel	ND	0.005	"
Potassium	ND	0.050	"
Selenium	ND	0.010	"
Silver	ND	0.005	"
Sodium	ND	0.100	"
Thallium	ND	0.005	"
Vanadium	ND	0.010	"
Zinc	ND	0.015	"

Reference (BC80207-SRM1)

Prepared & Analyzed: 03/06/2018

Aluminum	0.925	ug/mL	0.720	129	81.4-117.2	High Bias
Antimony	0.438	"	0.420	104	76.9-119.2	
Arsenic	0.780	"	0.740	105	84.3-114.3	
Barium	0.518	"	0.500	104	85-115	
Beryllium	0.471	"	0.460	102	85-115	
Cadmium	0.243	"	0.240	101	84.9-115	
Calcium	33.3	"	33.0	101	86.5-114.3	
Chromium	0.913	"	0.860	106	85-115	
Cobalt	0.644	"	0.580	111	85-115	
Copper	0.341	"	0.320	107	85-115	
Iron	1.61	"	1.40	115	84.9-115	
Lead	0.686	"	0.640	107	85-115	
Magnesium	81.8	"	80.1	102	86.3-114.8	
Manganese	1.12	"	1.02	110	84.9-115	
Nickel	1.89	"	1.78	106	87-113.7	
Potassium	11.2	"	10.3	109	84.9-115	
Selenium	0.743	"	0.680	109	85.1-115.1	
Silver	0.619	"	0.600	103	85-115	
Sodium	23.4	"	22.7	103	85-115	
Thallium	0.715	"	0.680	105	82.8-115.4	
Vanadium	1.69	"	1.66	102	85-114.9	
Zinc	1.62	"	1.62	100	84.9-115	



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 BC80209 - EPA 3015A

Blank (BC80209-BLK1)

Prepared & Analyzed: 03/06/2018

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	0.005	"
Magnesium - Dissolved	ND	0.050	"
Manganese - Dissolved	ND	0.005	"
Nickel - Dissolved	ND	0.005	"
Potassium - Dissolved	0.212	0.050	"
Selenium - Dissolved	ND	0.010	"
Silver - Dissolved	ND	0.005	"
Sodium - Dissolved	0.117	0.100	"
Thallium - Dissolved	ND	0.005	"
Vanadium - Dissolved	ND	0.010	"
Zinc - Dissolved	ND	0.015	"

Duplicate (BC80209-DUP1)

*Source sample: 18B1069-01 (MW-02 20180227)

Prepared & Analyzed: 03/06/2018

Aluminum - Dissolved	0.056	0.050	mg/L	0.064	13.4	20	
Antimony - Dissolved	ND	0.005	"	0.008		20	
Arsenic - Dissolved	0.009	0.004	"	ND		20	
Barium - Dissolved	0.142	0.010	"	0.139	2.43	20	
Beryllium - Dissolved	ND	0.001	"	ND		20	
Cadmium - Dissolved	ND	0.003	"	ND		20	
Calcium - Dissolved	156	0.050	"	155	0.250	20	
Chromium - Dissolved	ND	0.005	"	ND		20	
Cobalt - Dissolved	ND	0.005	"	ND		20	
Copper - Dissolved	0.010	0.003	"	0.010	2.43	20	
Iron - Dissolved	0.131	0.020	"	0.163	22.1	20	Non-dir.
Lead - Dissolved	ND	0.005	"	ND		20	
Magnesium - Dissolved	64.4	0.050	"	64.4	0.118	20	
Manganese - Dissolved	0.714	0.005	"	0.707	0.952	20	
Nickel - Dissolved	ND	0.005	"	ND		20	
Potassium - Dissolved	8.16	0.050	"	8.32	1.88	20	
Selenium - Dissolved	0.086	0.010	"	0.092	6.98	20	
Silver - Dissolved	ND	0.005	"	ND		20	
Sodium - Dissolved	169	0.100	"	168	0.812	20	
Thallium - Dissolved	ND	0.005	"	ND		20	
Vanadium - Dissolved	ND	0.010	"	ND		20	
Zinc - Dissolved	0.022	0.015	"	0.022	0.637	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 BC80209 - EPA 3015A

Matrix Spike (BC80209-MS1)		*Source sample: 18B1069-01 (MW-02 20180227)					Prepared & Analyzed: 03/06/2018				
Antimony - Dissolved	0.263		ug/mL	0.420	0.008	60.8	75-125	Low Bias			
Arsenic - Dissolved	2.18		"	0.740	0.001	294	75-125	High Bias			
Barium - Dissolved	2.24		"	0.500	0.139	419	75-125	High Bias			
Beryllium - Dissolved	0.051		"	0.460	-0.0003	11.1	75-125	Low Bias			
Cadmium - Dissolved	0.053		"	0.240	-0.0002	21.9	75-125	Low Bias			
Chromium - Dissolved	0.208		"	0.860	0.0004	24.2	75-125	Low Bias			
Cobalt - Dissolved	0.556		"	0.580	0.001	95.6	75-125				
Copper - Dissolved	0.273		"	0.320	0.010	82.1	75-125				
Iron - Dissolved	1.18		"	1.40	0.163	72.9	75-125	Low Bias			
Lead - Dissolved	0.527		"	0.640	0.004	81.8	75-125				
Manganese - Dissolved	1.23		"	1.02	0.707	51.6	75-125	Low Bias			
Nickel - Dissolved	0.551		"	1.78	-0.009	30.9	75-125	Low Bias			
Selenium - Dissolved	2.06		"	0.680	0.092	290	75-125	High Bias			
Silver - Dissolved	0.048		"	0.600	-0.0003	7.99	75-125	Low Bias			
Thallium - Dissolved	2.14		"	0.680	-0.014	314	75-125	High Bias			
Vanadium - Dissolved	0.519		"	1.66	0.0008	31.2	75-125	Low Bias			
Zinc - Dissolved	0.579		"	1.62	0.022	34.3	75-125	Low Bias			

Reference (BC80209-SRM1)							Prepared & Analyzed: 03/06/2018				
Aluminum - Dissolved	0.843		ug/mL	0.720		117	81.4-117.2				
Antimony - Dissolved	0.419		"	0.420		99.7	76.9-119.2				
Arsenic - Dissolved	0.614		"	0.740		83.0	84.3-114.3	Low Bias			
Barium - Dissolved	0.508		"	0.500		102	85-115				
Beryllium - Dissolved	0.467		"	0.460		101	85-115				
Cadmium - Dissolved	0.201		"	0.240		83.8	84.9-115	Low Bias			
Calcium - Dissolved	33.9		"	33.0		103	86.5-114.3				
Chromium - Dissolved	0.738		"	0.860		85.8	85-115				
Cobalt - Dissolved	0.507		"	0.580		87.4	85-115				
Copper - Dissolved	0.280		"	0.320		87.4	85-115				
Iron - Dissolved	1.36		"	1.40		97.3	84.9-115				
Lead - Dissolved	0.541		"	0.640		84.5	85-115	Low Bias			
Magnesium - Dissolved	83.4		"	80.1		104	86.3-114.8				
Manganese - Dissolved	0.904		"	1.02		88.6	84.9-115				
Nickel - Dissolved	1.52		"	1.78		85.3	87-113.7	Low Bias			
Potassium - Dissolved	10.9		"	10.3		106	84.9-115				
Selenium - Dissolved	0.605		"	0.680		89.0	85.1-115.1				
Silver - Dissolved	0.610		"	0.600		102	85-115				
Sodium - Dissolved	24.7		"	22.7		109	85-115				
Thallium - Dissolved	0.686		"	0.680		101	82.8-115.4				
Vanadium - Dissolved	1.37		"	1.66		82.5	85-114.9	Low Bias			
Zinc - Dissolved	1.31		"	1.62		81.2	84.9-115	Low Bias			



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 BC80083 - EPA 7473 water

Blank (BC80083-BLK1)

Prepared & Analyzed: 03/02/2018

Mercury - Dissolved ND 0.0002000 mg/L

Reference (BC80083-SRM1)

Prepared & Analyzed: 03/02/2018

Mercury - Dissolved 0.005433 mg/L 0.00740 73.4 70-130

Batch BC80283 - EPA 7473 water

Blank (BC80283-BLK1)

Prepared & Analyzed: 03/07/2018

Mercury ND 0.00020 mg/L

Duplicate (BC80283-DUP1)

*Source sample: 18B1069-01 (MW-02 20180227)

Prepared & Analyzed: 03/07/2018

Mercury ND 0.00020 mg/L ND 20

Matrix Spike (BC80283-MS1)

*Source sample: 18B1069-01 (MW-02 20180227)

Prepared & Analyzed: 03/07/2018

Mercury 0.00200 mg/L 0.00200 0.00009 95.2 75-125

Reference (BC80283-SRM1)

Prepared & Analyzed: 03/07/2018

Mercury 9.68 mg/L 10.0 96.8 70-130



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18B1069-01	MW-02 20180227	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18B1069-02	MW-03 20180227	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18B1069-03	MW-04 20180227	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18B1069-04	MW-09 20180227	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18B1069-05	TB-20180227	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QL-02	This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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



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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



APPENDIX E

Geotechnical Report



REPORT OF GEOTECHNICAL EXPLORATION

BETANCES VI – MOTT HAVEN **Borough of the Bronx, New York**

December 19, 2017

Prepared for:

Betances VI Partners, LLC
5925 Broadway
Bronx, New York 10463

Attn: Ms. Anivelca Cordova

Prepared by:

GTA Engineering Services of New York, P.C.
Geotechnical and Environmental Consultants
211 Gates Road, Suite K
Little Ferry, New Jersey 07643
(201) 641-1850

GTA Project No: 34172321

GTA Engineering Services of New York, P.C.

GEOTECHNICAL AND
ENVIRONMENTAL CONSULTANTS

An affiliate of Geo-Technology Associates, Inc.



December 19, 2017

Betances VI Partners, LLC
5925 Broadway
Bronx, New York 10463
Attn: Ms. Anivelca Cordova

Re: Report of Geotechnical Exploration
Betances VI – Mott Haven
Borough of the Bronx, New York

Dear Anivelca:

In accordance with our agreements dated November 8th, 2017, GTA Engineering Services of New York, P.C. (GTA) has performed a geotechnical exploration for a proposed 15-story residential building to be located at 474 Willis Avenue in the Borough of The Bronx, New York. The site is identified as Block 2291, Lot 1 on the New York City tax map. The site is located on the northeastern corner of Willis Avenue and East 146th Street. The results of the field exploration and GTA's recommendations regarding design and construction of the proposed development are included in this report.

GTA appreciates the opportunity to have been of assistance to you on this project. Please contact our office at (201) 641-1850 if you have questions or require additional information.

Very truly yours,
GTA Engineering Services of New York, P.C.

Joseph Skirkie, P.E.
Project Engineer

Robert Dykstra, P.E.
Vice President

JS:RD/js
GTA Job No. 34172321

211-K Gates Road, Little Ferry, NJ 07643 (201) 641-1850 Fax: (201) 641-1652

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**REPORT OF GEOTECHNICAL EXPLORATION
BETANCES VI – MOTT HAVEN
BOROUGH OF THE BRONX, NEW YORK
DECEMBER 2017**

INTRODUCTION

GTA Engineering Services of New York, P.C. (GTA) has performed a geotechnical exploration for a proposed fifteen-story mixed-use building to be located at 474 Willis Avenue in the Borough of The Bronx, New York. The site location is shown on the Site Location Map, Figure 1 in Appendix A. This report presents the results of the explorations.

The scope of the subsurface exploration included performing 5 test borings, limited laboratory testing, and geotechnical engineering analyses. The scope of services was developed from a *Land Survey Title*, prepared by Langan Engineering dated April 3, 2017, and a *Preliminary Architectural Schematic Design* prepared by Heritage Architects. The drawings show the existing site conditions, as well as the schematic designs of the proposed building. Cuono Engineering, PC provided a column load schedule for use in the report. The purpose of the geotechnical investigation was to explore the subsurface soil and groundwater conditions in order to determine the relevant parameters for the design and construction of the proposed building.

SITE CONDITIONS

The project site is located at the northeastern corner of Willis Avenue and East 146th Street in the Borough of The Bronx, New York. The site is bounded to the north by a playground and to the east by a recreational area, both of which are associated with the New York City Housing Authority's (NYCHA) Betances Houses. The project site is currently occupied by a one-story commercial building with a cellar level.

PROPOSED CONSTRUCTION

We understand that the proposed development consists of razing the existing on-site structure and constructing a new 15-story residential building for NYCHA. The lot has an area of approximately 10,000 square feet, and the new building will occupy a base footprint of approximately 9,850 square feet. The building will have commercial space at the first floor and a

cellar level. Column loads will range from 65 kips to 1,507 kips based on preliminary information provided by Cuono Engineering, PLLC, the project structural engineer.

SITE GEOLOGY

According to the Surficial Geologic Map of New York prepared by Donald H. Cadwell in 1989, the project is underlain by a till and can vary in thickness between 1 and 150 feet. The Bedrock Geologic Map of New York prepared Donald W. Fisher in 1970 indicates that the overburden soils are underlain by the Inwood Marble which is composed of primarily dolomitic marble. The Inwood marble can also contain calc-schist, and granulite.

SUBSURFACE EXPLORATION

The subsurface exploration program performed for this study consisted of drilling 5 Standard Penetration Test (SPT) borings throughout the project site. The borings were performed between November 10, 2017 and November 20, 2017 by Allied Drilling Inc. using both truck mounted and limited access drilling equipment. The borings were advanced to completion depths ranging from approximately 40 to 65 feet below the existing site grade using mud rotary drilling methods. Bedrock was core drilled in two borings for a total length of 10 feet. Groundwater monitoring wells were installed in four completed borings with flush mount well caps. The remaining boring was backfilled upon completion.

GTA personnel located the explorations in the field, documented drilling procedures, maintained continuous logs of the explorations, and obtained soil and rock samples. The approximate locations of the explorations are shown on the Exploration Location Plan, which is included as Figure 2 in Appendix A. Detailed descriptions of the encountered subsurface conditions are indicated on the Logs of Borings, which are presented in Appendix B.

Standard Penetration Testing (SPT) was performed in accordance with procedures of ASTM D1586. Soil samples were obtained at five-foot intervals within the boreholes. The SPT involves driving a 2-inch O.D., 1 $\frac{3}{8}$ -inch I.D. split-spoon sampler with a 140-pound hammer free-falling from a height of 30-inches. The number of blows required to drive the sampler was recorded in six-inch intervals. The SPT N-value, given as blows per foot, is defined as the total number of

blows required to drive the sampler from the 6- to 18-inch interval. Bedrock was core drilled in accordance with ASTM D2113 in Borings B-1W and B-3W.

Soil and rock samples obtained from the explorations were brought to GTA's laboratory for limited laboratory testing and visual classification by a geotechnical engineer. The subsurface materials were classified in accordance with the Unified Classification System (USCS) and New York City Building Code (NYCBC). The descriptions provided on the logs are therefore based on visual observations of the samples and laboratory testing, as summarized in the Notes for Exploration Logs and Notes for Rock Description included in Appendix B.

SUBSURFACE CONDITIONS

The subsurface conditions encountered in the explorations generally consisted of a layer of fill overlying natural soils deposited during the Wisconsin glacial period, which were overlying weathered bedrock of the Inwood Formation. Generalized descriptions of these strata are presented below in order of increasing depth. Detailed descriptions of the encountered subsurface conditions are indicated on the Logs of Borings in Appendix B

Fill: Fill materials were present below the concrete pavement in each of the borings. The fill material primarily consisted of silty sand or poorly-graded sand with gravel, with minor amounts of construction debris. The fill layer extended to depths ranging from approximately 8½ to 15 feet below the existing site grade. The fill was generally loose to medium dense in relative density based on the SPT N-values, and was identified as Class 7 material in accordance with the NYCBC.

Glacial Soil: A layer of natural glacial soil was encountered beneath the fill layer in each of the borings. The glacial soil deposit consisted of sandy silt, silty sand and poorly-graded sand with varying percentages of gravel. The granular soils were medium dense to very dense in relative density and identified as SM and SP-SM material, Classes 3a and 3b in accordance with the USCS and NYCBC, respectively. The sandy silt was stiff to very stiff in consistency and was identified as ML material, Class 5b.

Bedrock: Marble bedrock of the Inwood Formation was encountered in the explorations at the depths ranging from approximately 51 to 60 feet below the existing site grade. A layer of Soft Rock (Highly weathered rock), Class 1d, was present overlying competent rock, which was core drilled at depths ranging from 56 to 65 feet below the ground surface. The recovered rock cores indicated that the rock mass was typically moderately hard, moderately to highly weathered, and slightly to moderately fractured. Recovery values (REC) were approximately 83% and Rock Quality Designation (RQD) values ranged from 45% to 66%. The recovered rock samples were classified as Class 1c based on the degree of weathering, joint spacing, and hardness in accordance with NYCBC.

Groundwater: Groundwater was measured at depths ranging from 13 to 15 feet. It should be expected that the groundwater level will fluctuate due to several factors, such as variations in precipitation, seasonal changes, and site development activities. Water may also seep through fractures in the rock or become trapped on low areas of the rock surface.

LABORATORY TESTING

Laboratory testing performed for this study included gradation analyses for classification of the soils in accordance with the Unified Soil Classification System (USCS) and natural moisture content determinations. Classification of soils in accordance with the USCS provides information regarding the engineering properties of the on-site materials that will likely support slabs, pavements, or be used as controlled compacted fill and backfill. The results of the gradation testing performed for this study are summarized in the following table. Detailed results of the laboratory testing performed for this study are included in Appendix C.

SUMMARY OF GRADATION TESTING

BORING LOCATION	DEPTH (FT.)	NATURAL MOISTURE CONTENT (%)	USCS CLASSIFICATION
B-2	35	25	SM (Silty SAND)
B-3	15	25.1	ML (Sandy SILT)
B-4	20	30.9	SM (Silty SAND)
B-5	15	23.8	SP (Poorly-graded SAND)

CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this study, it is GTA's opinion that development of the site is feasible, given that the geotechnical recommendations are followed, and that the standard level of care is maintained during construction. The soils at the anticipated bearing level consist of Class 5b and Class 3b soils with allowable bearing pressures ranging from 1.5 tons per square foot (tsf) to 3 tsf as per the NYCBC. As currently conceived, we believe that the proposed building with a single cellar could be supported by a mat foundation bearing in the natural glacial soils. Geotechnical issues that may impact site development include the relatively shallow depth to groundwater and the need for excavation support along the property lines.

Foundations

The proposed building could be supported by a mat foundation established on undisturbed natural soils. We estimate that the mat foundation will exert an average bearing pressure of approximately 3,000 pounds per square foot (1.5 tsf). Settlement of less than 1-inch are anticipated based on an average mat bearing pressure of 3,000 pounds per square foot. A modulus of subgrade reaction of 150 pounds per cubic inch may be used for the design of the mat foundations. If a mat solution is used for the building, GTA should be afforded the opportunity to review the mat bearing pressure diagram and re-evaluate the settlement potential. The design recommendations assume a mat foundation bearing approximately 14 feet below the ground surface of the borings. Excavation to reach this depth may encounter groundwater. The mat foundation should be designed to resist hydrostatic uplift forces associated with a potential 2 foot rise in the groundwater level.

Where soft/loose natural soils or existing fill materials are encountered at the footing subgrade or within the zone of foundation stress influence, the foundation excavations should extend to stable natural materials. Footing subgrades requiring over-excavation may be backfilled to the design bearing grade with lean concrete or crushed stone. The decision to undercut footings or perform other foundation remedial measures should be made in the field by the geotechnical engineer during footing construction. Footing undercuts backfilled with lean concrete or crushed stone should be considered suitable to provide the recommended design bearing pressure.

Footing subgrades should be thoroughly cleaned of all mud, debris, and loose material prior to the placement of concrete. All footing subgrades must be evaluated to verify the bearing capacity of the rock and documented by an engineering technician working under the supervision of a professional engineer licensed in the State of New York. Detailed foundation subgrade evaluations should be performed in each footing excavation, prior to the placement of reinforcing steel or concrete to confirm that the design allowable rock bearing capacity is available. We recommend that a 6-inch thick layer of clean, coarse aggregate be placed over the prepared soil subgrade to protect the prepared subgrade from inclement weather, and facilitate dewatering efforts, and to help maintain subgrade stability given the proximity of the groundwater level.

Groundwater Control

Groundwater was encountered at depths ranging from about 13 to 15 feet below the existing surface grades at the boring locations at the about the anticipated depth of the mat. We anticipate that localized sump pits will be able to control groundwater seepage for excavations at or extending approximately 12 inches below the groundwater level. Excavations for elevator and utility pits extending several feet below the groundwater level may require well points to control groundwater seepage. The contract documents should require the contractor to provide the appropriate means and methods necessary to maintain stable and relatively dry excavations at all times during construction.

Lateral Earth Pressure and Water/Damp-proofing

Below-grade cellar foundation walls, and temporary Support of Excavation walls will have to be designed to resist the lateral earth pressure. These elements should also be designed for appropriate hydrostatic and surcharge pressures. The following soil properties can be used for design of below grade structural elements, assuming horizontal backfill:

• Soil Unit Weight	(γ)	=	125 pcf
• Internal Friction Angle	(ϕ)	=	30°
• Active Earth Pressure Coefficient	(K_A)	=	0.3
• Passive Earth Pressure Coefficient	(K_P)	=	3.0
• At-Rest Earth Pressure Coefficient	(K_0)	=	0.5

The foundation walls and mat should be water/damp-proofed in accordance with section BC 1807 of the NYCBC to reduce dampness within below-ground areas, GTA recommends that the foundation walls be waterproofed with bituthene waterproofing membrane or pre-applied membrane and a pre-applied membrane will most likely be needed for the mat. A manufactured drainage composite should be placed over the wall waterproofing membrane for protection during backfilling.

Seismic Information

The proposed structure must be designed in accordance with all applicable New York City Building Code seismic design criteria. The site classes are based on the average soil properties in the upper 100 feet. We believe the materials encountered in the borings most closely resemble a “Stiff Soil Profile” Site Class D. This characterization is based on Table 1613.5.2 of the NYCBC and the peak accelerations may be estimated using Tables 1613.5.3(1) and 1613.5.3(2).

Liquefaction during a seismic event is a critical issue with respect to the site subsurface conditions for the site development. The NYCBC requires an evaluation of the liquefaction potential of non-cohesive soils and cohesive soils (with a plasticity index less than 20), below the groundwater table and to a depth of 50 feet below the ground surface. The initial step in the evaluation process is to plot the adjusted SPT N-values (N_{60}) versus depth on the *Liquefaction Assessment Diagram, Figure 1813.1* of the NYCBC. The diagram divided into either in the “Liquefaction Evaluation Required” area, or the “Liquefaction Evaluation Not Required” area, based on side of the Structural Occupancy Category line for the proposed building that the points plot to the right or left side, respectively, for the proposed building. Based on our review of the soil data from the soil borings, it is our assessment that liquefaction is unlikely.

Excavation and Support of Excavation Walls

All construction excavations should be sloped and shored per OSHA excavation regulations or stricter local governing safety codes. It is GTA’s opinion that the existing fill, undisturbed natural soils, or controlled compacted fill composed of similarly-graded

materials would generally be classified as “Type C” soils under the OSHA excavation regulations. Flatter excavation side slopes will be required where water seepage occurs. Positive drainage should be maintained during construction to prevent inundation of subgrade soils by surface water runoff.

Support of excavation (SOE) walls may be required to prevent ground loss and undermining of adjacent structures, sidewalks, utilities, properties and roadways along the property lines where excavations cannot be properly sloped. The SOE walls will need to be designed for the appropriate surcharge loads, hydrostatic and lateral earth pressures. Depending on the depth of the excavation, one level of bracing may be required to resist lateral earth pressures and surcharges. The SOE walls can be designed using the parameters listed in the *Lateral Earth Pressure* section of this report, and appropriate hydraulic and surcharge pressures. The SOE walls should be designed by an engineer licensed in the State of New York. Survey monitoring of the SOE walls should be considered to measure structural deflections and potential ground movements.

Subsurface Utilities

GTA has not been provided with information regarding proposed underground utilities; however, it is our opinion that the natural soils are considered suitable for support of subsurface utilities, which will likely include gas, water, storm, and sanitary sewer lines. GTA recommends that a six-inch thick granular bedding consisting of AASHTO No. 57 stone aggregate be placed where loose or soft soil is encountered to provide uniform support as dictated by site conditions. Utilities installed below slabs, sidewalks, and other structural areas should be backfilled using controlled fill, compacted in accordance with the *Backfill and Compaction* section of this report.

Contractors should provide adequate earth support and dewatering systems in utility trench excavations as required. Problems associated with water seepage include partial loss of stability, sloughing of soils, and running sands. These problems can be reduced at the time of construction through the use of “sump and pump” dewatering techniques.

Backfill and Compaction

All fill placed beneath sidewalks, slabs-on-grade, and used for backfilling foundation walls and utilities should consist of controlled compacted fill. Backfill should be spread in layers on the order of 8 to 12 inches in loose thickness and each layer should be compacted to at least 95 percent of the maximum dry density at moisture contents required to achieve the required densities per the ASTM D-1557 (Modified Proctor) test procedure. All compactive effort should be verified by in-place density testing by an engineering technician working under the supervision of a professional engineer licensed in the State of New York. The New York City Building Code requires that fill subgrades and each lift of fill be observed and tested.

The granular natural site soils and granular fill material free of deleterious materials are considered suitable for use as controlled fill or backfill with some limitations. Moisture conditioning of the on-site soils may be necessary to attain the recommended degree of compaction, depending on the prevailing weather conditions at the time the earthwork is performed. Off-site borrow, if required, should meet USCS designation SM, SP, SW, GP, GM, or GW and be approved by the geotechnical engineer before use.

Pre-construction Survey and Monitoring

A pre-construction survey should be conducted for the neighboring building, structures, and properties to document existing conditions. Each building and/or structure should be inspected and photographed, inside and out, to record existing conditions. The pre-condition survey will provide the owner and foundation contractor with a baseline to assess potential future damage claims. The survey should be prepared prior to the start of construction.

A survey-monitoring program should be implemented for the neighboring buildings, particularly in areas adjacent to SOE piles (if required) and foundation work. A series of benchmark locations should be established on the exterior of each of the adjacent buildings prior to the start of new construction. The benchmarks should be read a minimum of one time per week throughout the duration of the SOE and foundation construction. Any

observable movement, horizontal or vertical displacement, should be immediately brought to the attention of the construction manager and excavation should be suspended until the issue is addressed by the Owner and his appropriate professionals.

CONSTRUCTION MONITORING SCOPE

We recommend that GTA be retained to provide geotechnical consultation and construction observation and testing services during construction of the subject project, as outlined below:

- Review final site and structural plans to evaluate if they conform to the intent of this report.
- Provide on-site observation of subgrade evaluation, and testing of structural fill and backfill.
- Observe footing subgrades for compliance with the project drawings and the intent of this geotechnical report.
- Observe proof-rolling of floor subgrades to evaluate stability.
- Perform observation and materials testing during construction.

LIMITATIONS

This report, including all supporting exploration logs, field data, field notes, laboratory test data, calculations, estimates and other documents prepared by GTA in connection with this Project have been prepared for the exclusive use of Betances VI Partners, LLC, pursuant to the Agreements between GTA and Betances VI Partners, LLC dated November 8, 2017 and in accordance with generally accepted engineering practice. All terms and conditions set forth in the Agreements and the General Provisions attached thereto are incorporated herein by reference. No warranty, express or implied, is made herein. Use and reproduction of this report by any other person without the expressed written permission of GTA and Betances VI Partners, LLC is unauthorized and such use is at the sole risk of the user.

The analysis and recommendations contained in this report are based on the data obtained from limited observation and testing of the encountered materials. Test borings indicate subsurface conditions only at specific locations and times, and only at the depths penetrated. They do not necessarily reflect strata or variations that may exist between the exploration locations. Consequently, the analysis and recommendations must be considered preliminary until the subsurface conditions can be verified by direct observation at the time of construction. If variations of subsurface conditions from those described in this report are noted during construction, recommendations in this report may need to be re-evaluated.

In the event that any changes in the nature, design, or locations of the buildings are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report are verified in writing. GTA is not responsible for any claims, damages, or liability associated with interpretation of subsurface data or reuse of the subsurface data or engineering analysis without the expressed written authorization of GTA.

The scope of our services for this geotechnical exploration did not include any environmental assessment or investigation for the presence or absence of wetlands, or hazardous or toxic materials in the soil, surface water, groundwater or air, on or below or around this site. Any statements in this report or on the logs regarding odors or unusual or suspicious items or conditions observed are strictly for the information of our Client.

This report and the attached logs are instruments of service. The subject matter of this report is limited to the facts and matters stated herein. Absence of a reference to any other conditions or subject matter shall not be construed by the reader to imply approval by the writer.

34172321

GTA ENGINEERING SERVICES OF NEW YORK, P.C.

Important Information about Your Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical-engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client. No one except you should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you — should apply the report for any purpose or project except the one originally contemplated.*

Read the Full Report

Serious problems have occurred because those relying on a geotechnical-engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A Geotechnical-Engineering Report Is Based on a Unique Set of Project-Specific Factors

Geotechnical engineers consider many unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk-management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical engineering report that was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical-engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light-industrial plant to a refrigerated warehouse,

- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical-engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical-engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, droughts, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ—sometimes significantly—from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are *Not* Final

Do not overrely on the construction recommendations included in your report. *Those recommendations are not final*, because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations *only* by observing actual

subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's recommendations if that engineer does not perform construction observation.*

A Geotechnical Engineering Report Is Subject to Misinterpretation

Other design team members' misinterpretation of geotechnical-engineering reports has resulted in costly problems. Lower that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a geotechnical-engineering report. Reduce that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing construction observation.

Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

Give Contractors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make contractors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give contractors the complete geotechnical-engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise contractors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure contractors have sufficient time to perform additional study. Only then might you be in a position to give contractors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.*

Read Responsibility Provisions Closely

Some clients, design professionals, and contractors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that

have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform a *geoenvironmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical-engineering report does not usually relate any geoenvironmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own geoenvironmental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

Obtain Professional Assistance To Deal with Mold

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold-prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, many mold-prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical-engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold-prevention consultant; ***none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention. Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.***

Rely on Your GBA-Member Geotechnical Engineer for Additional Assistance

Membership in the GEOPROFESSIONAL BUSINESS ASSOCIATION exposes geotechnical engineers to a wide array of risk confrontation techniques that can be of genuine benefit for everyone involved with a construction project. Confer with your GBA-member geotechnical engineer for more information.



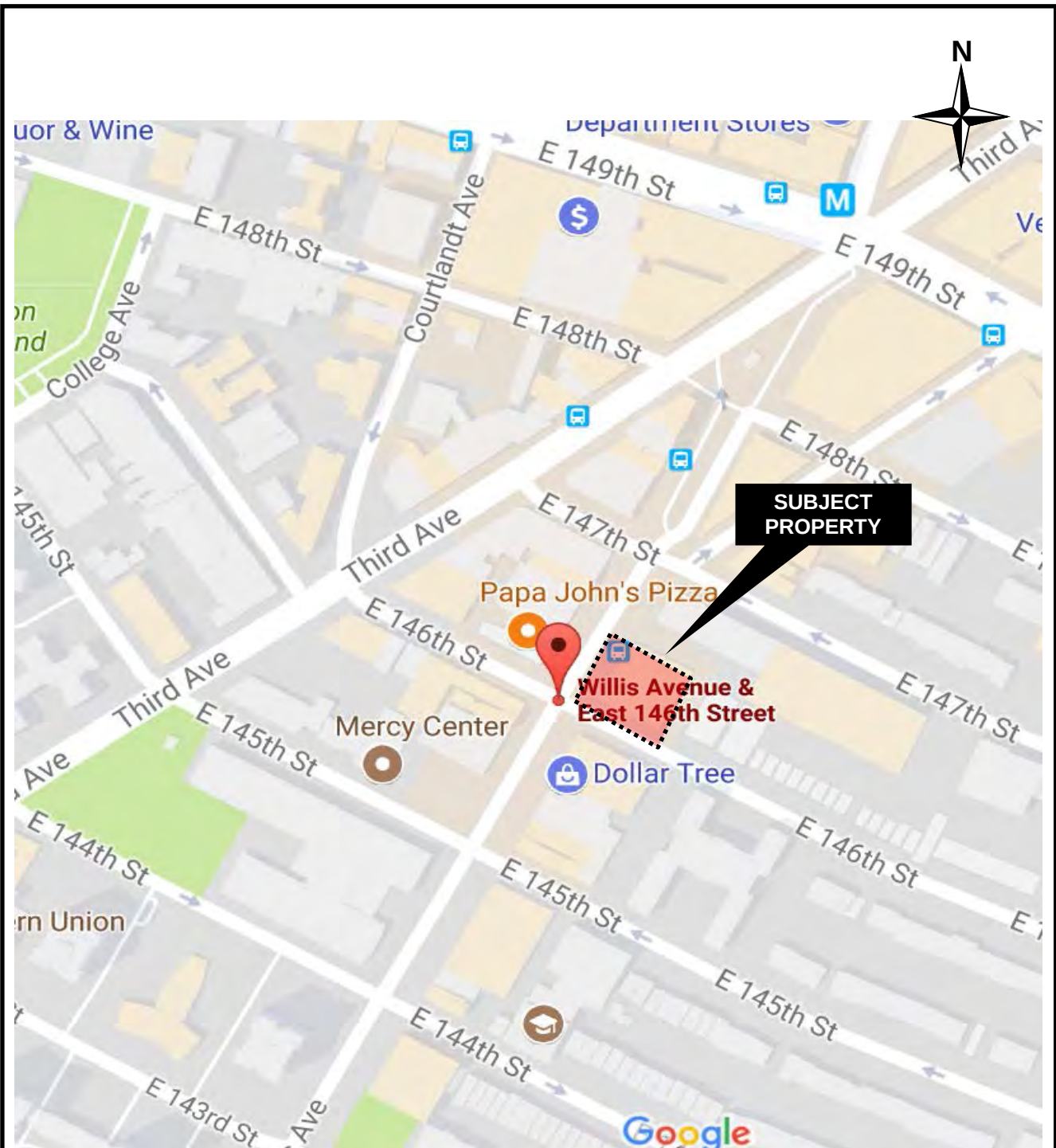
**GEOPROFESSIONAL
BUSINESS
ASSOCIATION**

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APPENDIX A

Figures



SITE LOCATION MAP



211-K Gates Road
Little Ferry, New Jersey 07643
(201) 641-1850
fax (201) 641-1652

**GTA ENGINEERING SERVICES
OF NEW YORK, P.C.**

BETANCIES IV - MOTT HAVEN

Borough of Bronx,
New York

Prepared For:
Betances VI Partners, LLC

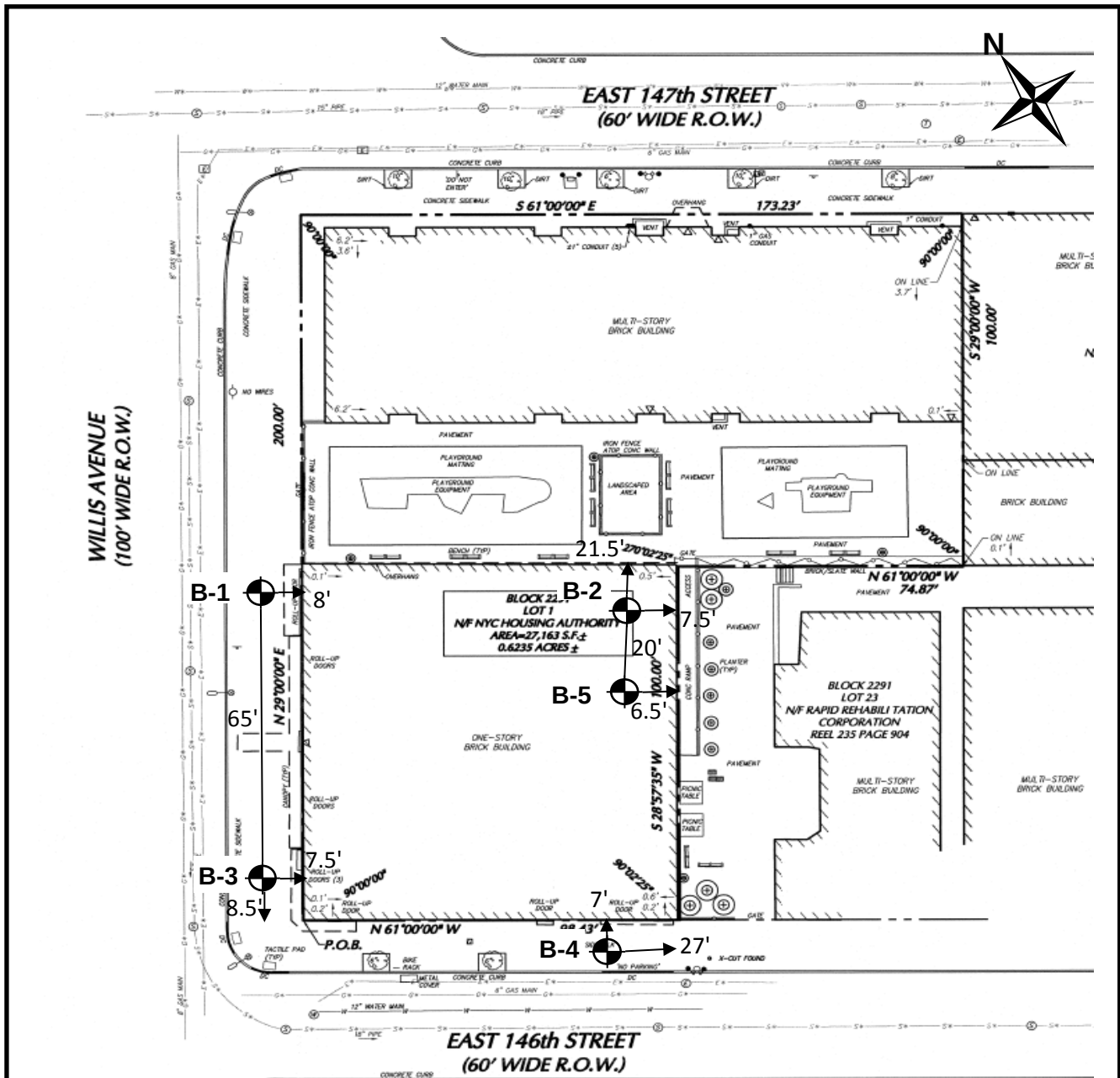
SOURCE: NYC Tax Maps

SCALE: NTS

DATE: SEP 2017

PROJECT #:NA

Figure 1



LEGEND:



B-1 Indicates the approximate locations of test borings proposed for this study.

*Base plan by Langan titled "ALTA/NSPS Land Title Survey", dated April 3, 2017.

PROPOSED BORING LOCATION PLAN



211-K Gates Road
Little Ferry, New Jersey 07643
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**GTA ENGINEERING SERVICES
OF NEW YORK, P.C.**

BETANCIES IV - MOTT HAVEN

Borough of Bronx,
New York

Prepared For:
Betances VI Partners, LLC

DESIGN BY: *

DRAWN BY: SM

REVIEWED BY: RD

SCALE: NTS

DATE: NOV 2017

PROJECT :34172321

Figure 2

APPENDIX B

Exploration Logs

NOTES FOR EXPLORATION LOGS

KEY TO USCS TERMINOLOGY AND GRAPHIC SYMBOLS

MAJOR DIVISIONS (BASED UPON ASTM D 2488)			SYMBOLS		
			GRAPHIC	LETTER	
COARSE- GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LESS THAN 15% PASSING THE NO. 200 SIEVE)		GW	
		GRAVELS WITH FINES (MORE THAN 15% PASSING THE NO. 200 SIEVE)		GP	
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LESS THAN 15% PASSING THE NO. 200 SIEVE)		SW	
				SP	
		SANDS WITH FINES (MORE THAN 15% PASSING THE NO. 200 SIEVE)		SM	
				SC	
FINE- GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILT OR CLAY ($<15\%$ RETAINED ON THE NO. 200 SIEVE) SILT OR CLAY WITH SAND OR GRAVEL (15% TO 30% RETAINED ON THE NO. 200 SIEVE) SANDY OR GRAVELLY SILT OR CLAY ($>30\%$ RETAINED ON THE NO. 200 SIEVE)		SILTS AND LEAN CLAYS LIQUID LIMIT LESS THAN 50		ML
			ELASTIC SILTS AND FAT CLAYS LIQUID LIMIT GREATER THAN 50		CL
					OL
					MH
					CH
					OH
	HIGHLY ORGANIC SOILS				PT

NOTE: DUAL SYMBOLS ARE USED TO INDICATE COARSE-GRAINED SOILS WHICH CONTAIN AN ESTIMATED 5 TO 15% FINES BASED ON VISUAL CLASSIFICATION OR BETWEEN 5 AND 12% FINES BASED ON LABORATORY TESTING; AND FINE-GRAINED SOILS WHEN THE PLOT OF LIQUID LIMIT & PLASTICITY INDEX VALUES FALLS IN THE PLASTICITY CHART'S CROSS-HATCHED AREA. FINE-GRAINED SOILS ARE CLASSIFIED AS ORGANIC (OL OR OH) WHEN ENOUGH ORGANIC PARTICLES ARE PRESENT TO INFLUENCE ITS PROPERTIES. LABORATORY TEST RESULTS ARE USED TO SUPPLEMENT SOIL CLASSIFICATION BY THE VISUAL-MANUAL PROCEDURES OF ASTM D 2488.

ADDITIONAL TERMINOLOGY AND GRAPHIC SYMBOLS

ADDITIONAL DESIGNATIONS	DESCRIPTION		GRAPHIC SYMBOLS
	TOPSOIL		
	MAN MADE FILL		
	GLACIAL TILL		
	COBBLES AND BOULDERS		
RESIDUAL SOIL DESIGNATIONS	DESCRIPTION	"N" VALUE	
	HIGHLY WEATHERED ROCK	50 TO 50/1"	
	PARTIALLY WEATHERED ROCK	MORE THAN 50 BLOWS FOR 1" OF PENETRATION OR LESS, AUGER PENETRABLE	

COARSE-GRAINED SOILS (GRAVEL AND SAND)

DESIGNATION	BLOWS PER FOOT (BPF) "N"
VERY LOOSE	0 - 4
LOOSE	5 - 10
MEDIUM DENSE	11 - 30
DENSE	31 - 50
VERY DENSE	>50

NOTE: "N" VALUE DETERMINED AS PER ASTM D 1586

FINE-GRAINED SOILS (SILT AND CLAY)

CONSISTENCY	BPF "N"
VERY SOFT	<2
SOFT	2 - 4
MEDIUM STIFF	5 - 8
STIFF	9 - 15
VERY STIFF	16 - 30
HARD	>30

NOTE: ADDITIONAL DESIGNATIONS TO ADVANCE SAMPLER INDICATED IN BLOW COUNT COLUMN:
WOH = WEIGHT OF HAMMER
WOR = WEIGHT OF ROD(S)

SAMPLE TYPE

DESIGNATION	SYMBOL
SOIL SAMPLE	S-
SHELBY TUBE	U-
ROCK CORE	R-

WATER DESIGNATION

DESCRIPTION	SYMBOL
ENCOUNTERED DURING DRILLING	
UPON COMPLETION OF DRILLING	
24 HOURS AFTER COMPLETION	

NOTE: WATER OBSERVATIONS WERE MADE AT THE TIME INDICATED. POROSITY OF SOIL STRATA, WEATHER CONDITIONS, SITE TOPOGRAPHY, ETC. MAY CAUSE WATER LEVEL CHANGES.

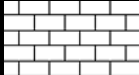
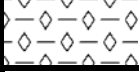
NOTES FOR ROCK DESCRIPTION

WEATHERING TERM	DESCRIPTION
FRESH	ROCK CRYSTALS BRIGHT. COLOR OF CORE IS CONSISTENT. JOINTS SHOW LITTLE STAINING.
SLIGHTLY WEATHERED	ROCK GENERALLY FRESH. JOINTS STAINED AND DISCOLORATION AROUND JOINTS MAY EXTEND UP TO 0.5 INCHES INTO ROCK. SOME CRYSTALS MAY APPEAR DULL OR DISCOLORED.
MODERATELY WEATHERED	SIGNIFICANT PORTIONS OF ROCK SHOW DISCOLORATION. MANY VISIBLE MINERALS ARE DULL AND DISCOLORED. ROCK HAS DULL SOUND WHEN HIT BY HAMMER AND HAS SIGNIFICANT STRENGTH LOSS.
HIGHLY WEATHERED	ALL ROCK IS DISCOLORED AND STAINED. ROCK FABRIC IS EVIDENT BUT ZONES OF ROCK HAVE BEEN REDUCED TO SOFT STRENGTH. SOME HARD PIECES OF ROCK ARE USUALLY PRESENT BETWEEN SOFT ZONES.

HARDNESS DESCRIPTION	STRENGTH RANGE (PSI)	FIELD HARDNESS TEST
VERY HARD	>10,000	CANNOT BE SCRATCHED WITH KNIFE. CORE RINGS UNDER HARD BLOWS OF A HAMMER.
HARD	3,500 to 10,000	DIFFICULT TO SCRATCH WITH KNIFE. HARD BLOW OF HAMMER REQUIRED TO BREAK.
MODERATELY HARD	1,500 to 3,500	CAN BE SCRATCHED WITH KNIFE. MODERATE BLOW OF HAMMER BREAKS CORE.
SOFT	500 to 1,500	CAN BE GOUGED OR GROOVED WITH KNIFE. SMALL PIECES CAN BE BROKEN BY HAND.

FRACTURING CLASSIFICATION	DESCRIPTION
HIGHLY FRACTURED	LESS THAN 2 INCHES
MODERATELY FRACTURED	2 INCHES TO 12 INCHES
SLIGHTLY FRACTURED	12 INCHES TO 36 INCHES
MASSIVE	GREATER THAN 36 INCHES

BEDDING DESCRIPTION	SEPARATION
VERY THIN	LESS THAN 2 INCHES
THIN	2 INCHES TO 1 FOOT
MEDIUM	1 FOOT TO 3 FEET
THICK	3 FEET TO 10 FEET
VERY THICK	MORE THAN 10 FEET

GRAPHIC SYMBOL	ROCK DESCRIPTION
	LIMESTONE/DOLOMITE/MARBLE (CARBONATE ROCK)
	SHALE/MUDSTONE/SILTSTONE (FINE-GRAINED SEDIMENTARY ROCKS)
	SANDSTONE
	SLATE/PHYLLITE (FINE-GRAINED METAMORPHIC ROCKS)
	GNEISS/SCHIST (COARSE-GRAINED METAMORPHIC ROCKS)
	BASALT/DIABASE/GABBRO (IGNEOUS ROCKS)
	CONGLOMERATE
	GYPSUM

DESCRIPTION SYNTAX: COLOR, WEATHERING, HARDNESS, FRACTURING, ROCK TYPE, "WITH" BEDDING (IF SEDIMENTARY).

$$\text{ROCK QUALITY DESIGNATION (RQD)} = \left[\frac{\text{TOTAL LENGTH OF CORE PIECES THAT ARE 4-INCHES OR LONGER (IN.)}}{\text{TOTAL LENGTH OF CORE RUN (IN.)}} \right] \times 100\%$$

LOG OF BORING NO. B-1W

Sheet 1 of 2

PROJECT: **Betances VI - Mott Haven**
 PROJECT NO.: **34172321**
 PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): **NA** **14 ft.** **15 ft.**
 DATE: **11-15-17** **11-15-17** **12-1-17**
 CAVED (ft): **In Casing** **In Casing** **WELL**

DATE STARTED: **11-15-17**
 DATE COMPLETED: **11-16-17**
 DRILLING CONTRACTOR: **Allied Drilling**
 DRILLER: **T. Martin**
 DRILLING METHOD: **Mud**
 SAMPLING METHOD: **SPT**

HAMMER TYPE: **Manual**
 GROUND SURFACE ELEVATION: **0**
 DATUM: **Sidewalk**
 EQUIPMENT: **S1700 Truck**
 LOGGED BY: **SM**
 CHECKED BY: **RD**

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
									DESCRIPTION	REMARKS
					0.0	0				
					-0.3		FILL		Concrete	
S-1	1.0	2	1-2-5-7	7					FILL: Brown, moist, loose, silty sand with debris (Class 7)	
						5				
S-2	5.0	2	4-4-4-5	8						
					-8.5		SM		Brown, moist, loose, Silty SAND (Class 3b)	
S-3	10.0	7	5-9-3-3	12		10				
					-13.0		ML		Brown-Gray, wet, stiff, Sandy SILT with Mica (Class 5b)	
S-4	15.0	16	4-9-11-16	20		15				
						20				
S-5	20.0	20	11-12-16-20	28						
						25				
S-6	25.0	16	21-21-48-58	69	-25.0	25	SP		Brown, wet, dense, Poorly-graded SAND (Class 3a)	
						30				

NOTES: **Well installed upon Completion**



GEO-TECHNOLOGY ASSOCIATES, INC.

211-K Gates Road
 Little Ferry, NJ 07643

LOG OF BORING NO. B-1W

Sheet 1 of 2

LOG OF BORING NO. B-1W

Sheet 2 of 2

PROJECT: **Betances VI - Mott Haven**
 PROJECT NO.: **34172321**
 PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): NA 14 ft. 15 ft.
 DATE: 11-15-17 11-15-17 12-1-17
 CAVED (ft): In Casing In Casing WELL

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
									DESCRIPTION	REMARKS
S-7	30.0	10	23-24-23-27	47			SP		Brown, wet, dense, Poorly-graded SAND (Class 3a)	
						35				
S-8	35.0	13	24-27-24-26	51						
						40				
S-9	40.0	8	17-16-14-16	30						
						45				
S-10	45.0	18	19-21-41-59	62					Highly Weathered Rock	
S-11	50.0	6	55-50/1"	50+	-50.0	50	HW			
S-12	55.0	3	100/4"	100+		55			Tan, moderately hard, moderately fractured, highly weathered, INWOOD MARBLE (Class 1c) Nx Core Run 56-61 ft. REC:83% RQD: 45.8%	
					-56.0		ROCK			
R-1	56.0					60			Boring complete at 61 ft.	
					-61.0					
						65				



GEO-TECHNOLOGY
 ASSOCIATES, INC.

211-K Gates Road
 Little Ferry, NJ 07643

LOG OF BORING NO. B-1W

Sheet 2 of 2

LOG OF BORING NO. B-2W

Sheet 1 of 2

PROJECT: **Betances VI - Mott Haven**
 PROJECT NO.: **34172321**
 PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): ∇ **NA** ∇ **11.5 ft.** ∇ **8 ft.**
 DATE: **11-20-17** **11-20-17** **12-1-17**
 CAVED (ft): **In Casing** **WELL** **WELL**

DATE STARTED: **11-16-17**
 DATE COMPLETED: **11-17-17**
 DRILLING CONTRACTOR: **Allied Drilling**
 DRILLER: **Venancio**
 DRILLING METHOD: **Mud**
 SAMPLING METHOD: **SPT**

HAMMER TYPE: **Manual/s**
 GROUND SURFACE ELEVATION: **-7.5**
 DATUM: **Sidewalk**
 EQUIPMENT: **Bombardier**
 LOGGED BY: **SM**
 CHECKED BY: **RD**

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION		REMARKS
					-7.5	0			Concrete		
S-1	1.0	17	17-27-17-11	44	-7.8		FILL		Brown, moist, dense to loose, silty sand with debris (Class 7)		
S-2	5.0	5	6-7-9-8	16		5					
					-15.5		SP		Brown, wet, medium dense, Poorly-graded SAND (Class 3b)		
S-3	10.0	10	6-6-7-9	13		10					
S-4	15.0	12	15-9-8-8	17		15					
S-5	20.0	4	11-11-9-10	20	-27.5	20	SM		Brown, wet, stiff, Silty SAND with Mica (Class 3b)		
S-6	25.0	2	11-26-30-26	56		25			- Very dense (Class 3a)		
						30					

NOTES: **Well installed upon Completion**



GEO-TECHNOLOGY ASSOCIATES, INC.

211-K Gates Road
 Little Ferry, NJ 07643

LOG OF BORING NO. B-2W

Sheet 1 of 2

LOG OF BORING NO. B-2W

Sheet 2 of 2

PROJECT: **Betances VI - Mott Haven**
 PROJECT NO.: **34172321**
 PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): NA 11.5 ft. 8 ft.
 DATE: 11-20-17 11-20-17 12-1-17
 CAVED (ft): In Casing WELL WELL

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
									DESCRIPTION	REMARKS
S-7	30.0	16	9-13-13-17	26			SM		Brown, wet, medium dense, Silty SAND (Class 3b)	
						35				
S-8	35.0	24	7-8-13-17	21					Brown, wet, dense, Poorly-graded SAND (Class 3a)	
					-47.5	40	SP			
S-9	40.0	22	16-26-21-21	47						
						45				
S-10	45.0	20	17-12-9-13	21					Boring complete at 50.9 ft.	
						50				
S-11	50.0	10	50-100/5"	100+	-58.4					
						55				
						60				
						65				



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211-K Gates Road
 Little Ferry, NJ 07643

LOG OF BORING NO. B-2W

Sheet 2 of 2

LOG OF BORING NO. B-3W

Sheet 1 of 2

PROJECT: **Betances VI - Mott Haven**
PROJECT NO.: **34172321**
PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): **NA** **23 ft.** **14 ft.**
DATE: **11-10-17** **11-10-17** **12-1-17**
CAVED (ft): **In Casing** **In Casing** **WELL**

DATE STARTED: **11-10-17**
DATE COMPLETED: **11-13-17**
DRILLING CONTRACTOR: **Allied Drilling**
DRILLER: **T. Martin**
DRILLING METHOD: **Mud**
SAMPLING METHOD: **SPT**

HAMMER TYPE: **Manual**
GROUND SURFACE ELEVATION: **0**
DATUM: **Sidewalk**
EQUIPMENT: **S1700 Truck**
LOGGED BY: **JS/SM**
CHECKED BY: **RD**

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION		REMARKS
					-0.4	0			5" Sidewalk Concrete		
S-1	0.4	15	22-11-8-5	19			FILL		FILL: Red-brown, moist, medium dense, silty sand with gravel (Class 7)		
S-2	5.0	18	7-8-8-18	16		5					
S-3	10.0	6	11-50-100/0"	150		10			- very dense		- refusal due to possible boulder
					-13.0		ML		Brown, wet, stiff, Sandy SILT with Mica (Class 5b)		
S-4	15.0	15	17-7-8-14	15		15					
					-18.5		SM		Brown, wet, very dense, Silty SAND with gravel (Class 3a)		
S-5	20.0	15	33-42-37-25	79		20					
S-6	25.0	20	19-13-17-19	30		25	SP		Brown, wet, dense, Poorly-graded SAND (Class 3a)		
					-25.0						
						30					

NOTES: **Well installed upon Completion**



GEO-TECHNOLOGY ASSOCIATES, INC.

211-K Gates Road
Little Ferry, NJ 07643

LOG OF BORING NO. B-3W

Sheet 1 of 2

LOG OF BORING NO. B-3W

Sheet 2 of 2

PROJECT: **Betances VI - Mott Haven**
 PROJECT NO.: **34172321**
 PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): NA 23 ft. 14 ft.
 DATE: 11-10-17 11-10-17 12-1-17
 CAVED (ft): In Casing In Casing WELL

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
									DESCRIPTION	REMARKS
S-7	30.0	11	26-23-16-20	39			SP		Brown, wet, dense, Poorly-graded SAND (Class 3a)	
S-8	35.0	16	14-26-31-21	57	-35.0	35	SP-SM		Brown, wet, very dense, Poorly-graded SAND with silt (Class 3a)	
S-9	40.0	16	16-22-34-21	56		40				
S-10	45.0	24	21-34-61-50	95		45				
S-11	50.0	16	32-62-60-80	122		50				- rock in tip of spoon
					-52.0		HW		Highly Weathered Rock, Presents as: Brown, wet, very dense, Silty Sand with weathered rock fragments (Class 1d)	
S-12	55.0	5	100/5"	50+		55				- spoon refusal
R-1	60.0				-60.0	60	ROCK		Tan, moderately hard, moderately fractured, highly weathered, INWOOD MARBLE (Class 1c) Nx Core Run 60-65 ft. REC = 82.5% RQD = 66%	
					-65.0	65			Boring complete at 65 ft.	



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ASSOCIATES, INC.

211-K Gates Road
Little Ferry, NJ 07643

LOG OF BORING NO. B-3W

Sheet 2 of 2

LOG OF BORING NO. B-4W

Sheet 1 of 2

PROJECT: **Betances VI - Mott Haven**
 PROJECT NO.: **34172321**
 PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): **NA** **14 ft.** **13 ft.**
 DATE: **11-14-17** **11-14-17** **12-1-17**
 CAVED (ft): **In Casing** **In Casing** **WELL**

DATE STARTED: **11-14-17**
 DATE COMPLETED: **11-15-17**
 DRILLING CONTRACTOR: **Allied Drilling**
 DRILLER: **Vinny**
 DRILLING METHOD: **Mud**
 SAMPLING METHOD: **SPT**

HAMMER TYPE: **Manual**
 GROUND SURFACE ELEVATION: **0**
 DATUM: **Sidewalk**
 EQUIPMENT: **B61**
 LOGGED BY: **SM**
 CHECKED BY: **RD**

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
									DESCRIPTION	REMARKS
					0.0	0				
					-0.3		FILL		Concrete	
S-1	1.0	13	7-7-8-9	15					FILL: Brown, moist, loose to medium dense, poorly-graded sand with debris (Class 7)	
						5				
S-2	5.0	11	4-4-10-15	14						
					-10.0	10	SM		Brown, moist, medium dense, Silty SAND (Class 3b)	
S-3	10.0	15	10-11-9-10	20						
					-15.0	15	ML		Gray-Brown, wet, stiff, Sandy SILT (Class 5b)	
S-4	15.0	18	10-12-14-20	26						
						20				
S-5	20.0	17	13-9-10-17	19						
						25				
S-6	25.0	17	3-6-15-16	21						
						30				

NOTES: **Well installed upon Completion**



GEO-TECHNOLOGY ASSOCIATES, INC.

211-K Gates Road
 Little Ferry, NJ 07643

LOG OF BORING NO. B-4W

Sheet 1 of 2

LOG OF BORING NO. B-4W

Sheet 2 of 2

PROJECT: **Betances VI - Mott Haven**
 PROJECT NO.: **34172321**
 PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): NA 14 ft. 13 ft.
 DATE: 11-14-17 11-14-17 12-1-17
 CAVED (ft): In Casing In Casing WELL

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
									DESCRIPTION	REMARKS
S-7	30.0	20	21-20-19-16	39	-30.0		SM		Brown, wet, medium dense, Silty SAND (Class 3b)	
S-8	35.0	24	15-18-27-30	45		35				
S-9	40.0	23	7-8-19-20	27		40				
S-10	45.0	19	11-12-24-20	36		45				
S-11	50.0	16	13-14-21-18	35		50				
S-12	55.0	7	62-100/3"	100+	-55.0	55	HW		Highly weathered rock, Presents as: Brown, wet, very dense, Silty SAND with rock fragments (Class 1d)	
S-13	60.0	0	100/1"	100+	-60.0 -60.1	60	ROCK		No Recovery due to bedrock Boring complete at 60.1 ft.	
						65				



GEO-TECHNOLOGY
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211-K Gates Road
 Little Ferry, NJ 07643

LOG OF BORING NO. B-4W

Sheet 2 of 2

LOG OF BORING NO. B-5

Sheet 1 of 2

PROJECT: **Betances VI - Mott Haven**
 PROJECT NO.: **34172321**
 PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): **15 ft.** **NA** **BOC**
 DATE: **11-20-17** **11-20-17** **11-20-17**
 CAVED (ft): **In Casing** **NA** **BOC**

DATE STARTED: **11-20-17**
 DATE COMPLETED: **11-20-17**
 DRILLING CONTRACTOR: **Allied Drilling**
 DRILLER: **Venancio**
 DRILLING METHOD: **Mud**
 SAMPLING METHOD: **SPT**

HAMMER TYPE: **Manual/s**
 GROUND SURFACE ELEVATION: **-5**
 DATUM: **Sidewalk**
 EQUIPMENT: **Bombardier**
 LOGGED BY: **SM**
 CHECKED BY: **RD**

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION		REMARKS
					-5.0	0			Concrete		
S-1	1.0	17	17-27-17-11	44	-5.3		FILL		FILL: Brown, moist, medium dense, poorly-graded sand with debris (Class 7)		
S-2	5.0	0	24-16-14-9	30		5			No Recovery		
S-3	10.0	9	4-3-4-5	7	-15.0	10	SM		Brown, moist, loose, Silty SAND (Class 6)		
S-4	15.0	12	5-4-5-5	9		15			- wet		
S-5	20.0	18	7-9-8-8	17		20			- medium dese, (Class 3b)		
S-6	25.0	17	7-8-12-14	20	-30.0	25	ML		Gray, wet stiff, Sandy SILT with Mica (Class 5b)		
						30					

NOTES: **BOC = Backfilled On Completion**



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211-K Gates Road
 Little Ferry, NJ 07643

LOG OF BORING NO. B-5

Sheet 1 of 2

LOG OF BORING NO. B-5

Sheet 2 of 2

PROJECT: **Betances VI - Mott Haven**
 PROJECT NO.: **34172321**
 PROJECT LOCATION: **Bronx, NY**

WATER LEVEL (ft): **15 ft.** **NA** **BOC**
 DATE: **11-20-17** **11-20-17** **11-20-17**
 CAVED (ft): **In Casing** **NA** **BOC**

SAMPLE NUMBER	SAMPLE DEPTH (ft.)	SAMPLE RECOVERY (in.)	SAMPLE BLOWS/6 inches	N (blows/ft.)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL		
									DESCRIPTION	REMARKS
S-7	30.0	20	7-14-10-18	24			ML		Gray, wet stiff, Sandy SILT with Mica (Class 5b)	
						35				
S-8	35.0	20	3-6-8-9	14						
					-43.0		SP		Brown, wet, medium dense, Poorly-graded SAND (Class 3b)	
S-9	40.0	21	6-9-9-19	18						
					-47.0				Boring complete at 42 ft.	
						45				
						50				
						55				
						60				
						65				



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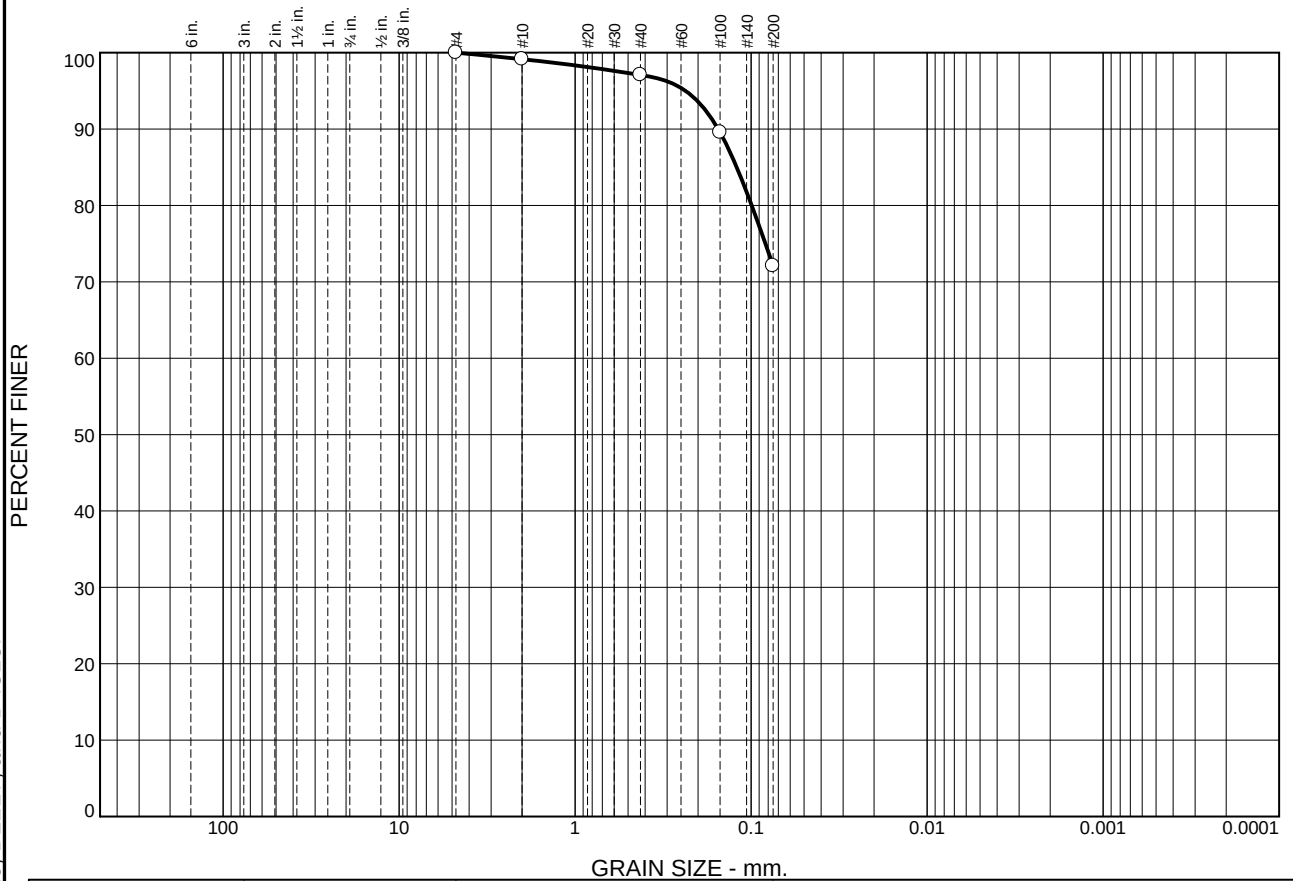
LOG OF BORING NO. B-5

Sheet 2 of 2

APPENDIX C

Laboratory Data

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.9	2.0	25.0	72.1	

Colloids	LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
	0	0	0.1208							

Material Description								USCS	AASHTO
Brown, wet, Sandy SILT								ML	A-4(0)

Project No. 34172321 Client: Betances VI Partners, LLC Project: Betances VI - Mott Haven Source of Sample: B-3 Depth: 15 Sample Number: S-4 Date: 11-15-17	Remarks: NMC = 25.1%
 GEO-TECHNOLOGY ASSOCIATES, INC. 3515-B Concord Road York, PA 17402	

Figure

Tested By: JVG

Checked By: JS

ASTM Specifications performed may include: D421, D422, D2216, D2217, and D4318.

Particle Size Distribution Report

